Veröffentlichungen am DESY 2018

1 | POF3-610 - Materie und Universum

ISI oder Scopus

T. A. Aaltonen et al.
Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron.
Physical review letters, 120(4):042001, and PUBDB-2018-01100, FERMILAB-PUB-17-379-E; arXiv:1709.04894.
doi: 10.1103/PhysRevLett.120.042001.

M. G. Aartsen et al.
Differential limit on the extremely-high-energy cosmic neutrino flux in the presence of astrophysical background from nine years of IceCube data.
Physical review / D D, 98(6):062003, and PUBDB-2018-03721.
doi: 10.1103/PhysRevD.98.062003.

M. G. Aartsen et al.
Search for Nonstandard Neutrino Interactions with IceCube DeepCore.
Physical review / D, 97(7):072009, and PUBDB-2019-00117, arXiv:1709.07079.
doi: 10.1103/PhysRevD.97.072009.

H. Abdalla et al.
The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT.
Astronomy and astrophysics, 617:A73, and PUBDB-2018-03715, arXiv:1806.03866.
doi: 10.1051/0004-6361/201833202.

W. Abdallah et al.
Long-lived $B-L$ symmetric SSM particles at the LHC.
Physical review / D, 98(9):095019, and PUBDB-2018-05151, arXiv:1804.09778; DESY-18-074.
doi: 10.1103/PhysRevD.98.095019.

N. A. Abdulov, A. V. Lipatov and M. A. Malyshev.
Inclusive Higgs boson production at the LHC in the k_t-factorization approach.
Physical review / D, 97(5):054017, and PUBDB-2018-01558, DESY-17-121; arXiv:1708.04057.
doi: 10.1103/PhysRevD.97.054017.

N. A. Abdulov et al.
Employing RHIC and LHC data to determine the transverse momentum dependent gluon density in a proton.
Physical review / D, 98(5):054010, and PUBDB-2018-03577, DESY-18-094; arXiv:1806.06739.
doi: 10.1103/PhysRevD.98.054010.

A. U. Abeysekara et al.
A Strong Limit on the Very-high-energy Emission from GRB 150323A.
The astrophysical journal / 1, 857(1):33, and PUBDB-2018-01814.
doi: 10.3847/1538-4357/aab371.

A. U. Abeysekara et al.
A Very High Energy γ -Ray Survey toward the Cygnus Region of the Galaxy.
The astrophysical journal / 1, 861(2):134, and PUBDB-2018-02734, arXiv:1805.05989.
doi: 10.3847/1538-4357/aac4a2.

A. U. Abeysekara et al.
VERITAS Observations of the BL Lac Object TXS 0506+056.
The astrophysical journal / 2, 861(2):L20, and PUBDB-2018-02738, arXiv:1807.04607.
doi: 10.3847/2041-8213/aad053.

J. Ablinger et al.
Automated solution of first order factorizable systems of differential equations in one variable.
Nuclear physics, 939:253, and PUBDB-2019-00005.
doi: 10.1016/j.nuclphysb.2018.12.010.

J. Ablinger et al.
Heavy quark form factors at three loops in the planar limit.
Physics letters / B, 782:528, and PUBDB-2018-02372.
doi: 10.1016/j.physletb.2018.05.077.

J. Ablinger et al.
Heavy quark form factors at two loops.
Physical review / D, 97(9):094022, and PUBDB-2018-02178, DESY-17-102; DO-TH-17-16; Nikhef-2017-063; TTK-17-44; arXiv:1712.09889.
doi: 10.1103/PhysRevD.97.094022.

J. Ablinger et al.
Iterated elliptic and hypergeometric integrals for Feynman diagrams.
Journal of mathematical physics, 59(6):062305, and PUBDB-2018-02557.
doi: 10.1063/1.4986417.

J. Ablinger et al.
The Two-mass Contribution to the Three-Loop Gluonic Operator Matrix Element $A^{(3)}_{gg,Q}$.
Nuclear physics / B, 932:129, and PUBDB-2018-02179, DESY-18-016; DO-TH-18-02; arXiv:1804.02226.
doi: 10.1016/j.nuclphysb.2018.04.023.

J. Ablinger et al.
The two-mass contribution to the three-loop pure singlet operator matrix element.
Nuclear physics / B, 927:339, and PUBDB-2018-00697, DESY-17-195; DO-TH-17-32; arXiv:1711.06717.
doi: 10.1016/j.nuclphysb.2017.12.018.

V. A. Acciari et al.
Constraining very-high-energy and optical emission from FRB 121102 with the MAGIC telescopes.
Monthly notices of the Royal Astronomical Society, 481(2):2479, and PUBDB-2018-03716.
doi: 10.1093/mnras/sty2422.

M. Ackermann et al.
The Search for Spatial Extension in High-latitude Sources Detected by the Fermi Large Area Telescope.
The astrophysical journal / Supplement series, 237(2):32, and PUBDB-2018-03203.
doi: 10.3847/1538-4365/aacdf7.

N. Agarwal et al.
Resummed transverse momentum distribution of pseudo-scalar Higgs boson at NNLO$_{\rm A}$+NNLL.
Journal of high energy physics, 1812(12):105, and PUBDB-2019-00041, DESY-18-085; arXiv:1805.12553.
doi: 10.1007/JHEP12(2018)105.

M. L. Ahnen et al.
Detection of the blazar S4 0954+65 at very-high-energy with the MAGIC telescopes during an exceptionally high optical state.
Astronomy and astrophysics, 617:A30, and PUBDB-2018-03717, arXiv:1801.04138.
doi: 10.1051/0004-6361/201832624.

M. L. Ahnen et al.
Limits on the flux of tau neutrinos from 1 PeV to 3 EeV with the MAGIC telescopes.
Astroparticle physics, 102:77, and PUBDB-2018-02321.
doi: 10.1016/j.astropartphys.2018.05.002.

M. C. M. L. Ahnen et al.
Erratum: A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A.
Monthly notices of the Royal Astronomical Society, 476(3):2874, and PUBDB-2019-00127, arXiv:1707.01583.
doi: 10.1093/mnras/sty382.

M. Ajello et al.
Fermi -LAT Observations of LIGO/Virgo Event GW170817.
The astrophysical journal / 1, 861(2):85, and PUBDB-2018-02631.
doi: 10.3847/1538-4357/aac515.

M. Ajello et al.
Investigating the Nature of Late-time High-energy GRB Emission through Joint Fermi / Swift Observations.
The astrophysical journal / 1, 863(2):138, and PUBDB-2018-03205.
doi: 10.3847/1538-4357/aad000.

I. Akal and G. Moortgat-Pick.
Euclidean mirrors: enhanced vacuum decay from reflected instantons.
Journal of physics / G G, Nuclear and particle physics, 45(5):055007, and PUBDB-2018-05805, DESY-17-074; arXiv:1706.06447.
doi: 10.1088/1361-6471/aab5c4.

S. Alekhin, J. Blümlein and S. Moch.
Strange sea determination from collider data.
Physics letters / B, 777:134, and PUBDB-2017-13874.
doi: 10.1016/j.physletb.2017.12.024.

S. Alekhin, J. Blümlein and S.-O. Moch.
NLO PDFs from the ABMP16 fi.
The European physical journal / C, 78(6):477, and PUBDB-2018-02739, DESY-18-026; DO-TH-17-28; arXiv:1803.07537.
doi: 10.1140/epjc/s10052-018-5947-1.

C. Alexandrou et al.
Light-Cone Parton Distribution Functions from Lattice QCD.
Physical review letters, 121(11):112001, and PUBDB-2018-03714, arXiv:1803.02685.
doi: 10.1103/PhysRevLett.121.112001.

C. Alexandrou et al.
Simulating twisted mass fermions at physical light, strange, and charm quark masses.
Physical review / D D, 98(5):054518, and PUBDB-2018-03722, arXiv:1807.00495.
doi: 10.1103/PhysRevD.98.054518.

C. Alexandrou et al.
Topological susceptibility from twisted mass fermions using spectral projectors and the gradient flow.
Physical review / D, 97(7):074503, and PUBDB-2018-01829, DESY-17-139; arXiv:1709.06596.
doi: 10.1103/PhysRevD.97.074503.

C. Alexandrou et al.
Transversity parton distribution functions from lattice QCD.
Physical review / D, 98(9):091503, and PUBDB-2018-05620.
doi: 10.1103/PhysRevD.98.091503.

C. Alexandrou et al.
Strange nucleon electromagnetic form factors from lattice QCD.
Physical review / D, 97(9):094504, and PUBDB-2018-02052, arXiv:1801.09581.
doi: 10.1103/PhysRevD.97.094504.

A. Ali, Q. Qin and W. Wang.
Discovery potential of stable and near-threshold doubly heavy tetraquarks at the LHC.
Physics letters / B, 785:605, and PUBDB-2018-03912, DESY-18-099; SI-HEP-2018-20; QEFT-2018-12; arXiv:1806.09288.
doi: 10.1016/j.physletb.2018.09.018.

A. Ali et al.
A new look at the Υ tetraquarks and $\Omega_{\rm c}$ baryons in the diquark model.
The European physical journal / C, 78(1):29, and PUBDB-2018-01399, DESY-17-104.
doi: 10.1140/epjc/s10052-017-5501-6.

A. Ali et al.
New Look at Hidden Charm Tetra and Pentaquark States.
Acta physica Polonica / B, B49(6):1315, and PUBDB-2019-00337.
doi: 10.5506/APhysPolB.49.1315.

A. Ali et al.
Prospects of discovering stable double-heavy tetraquarks at a Tera- Z factory.
Physics letters / B, 782:412, and PUBDB-2018-03284, DESY-18-061; SI-HEP-2018-14; QEFT-2018-08; arXiv:1805.02535.
doi: 10.1016/j.physletb.2018.05.055.

S. Ali et al.
Analysis of Ward identities in supersymmetric Yang–Mills theory.
The European physical journal / C, 78(5):404, and PUBDB-2019-00827, MS-TP-18-08; arXiv:1802.07067.
doi: 10.1140/epjc/s10052-018-5887-9.

ALPHA Collaboration.
Symanzik improvement with dynamical charm: a 3+1 scheme for Wilson quarks.
Journal of high energy physics, 1806(06):025, and PUBDB-2019-00016, CERN-TH-2018-084; arXiv:1805.01661; DESY-18-058; HU-EP-18-10.
doi: 10.1007/JHEP06(2018)025.

S. Amoroso.
Measurement of the Higgs boson coupling properties in the $H \to ZZ^* \to 4\ell$ decay channel at $\sqrt{s}$ = 13 TeV with the ATLAS detecto.
Journal of high energy physics, 1803(03):095, and PUBDB-2018-03477, CERN-EP-2017-206; arXiv:1712.02304.
doi: 10.1007/JHEP03(2018)095.

K. Ando et al.
Primordial black holes for the LIGO events in the axionlike curvaton model.
Physical review / D, 97(12):123512, and PUBDB-2018-03268, DESY-17-209; IPMU-17-0165; arXiv:1711.08956.
doi: 10.1103/PhysRevD.97.123512.

S. Ansoldi et al.
The blazar TXS 0506+056 associated with a high-energy neutrino: insights into extragalactic jets and cosmic ray acceleration.
The astrophysical journal / 2, 863(1):L10, and PUBDB-2019-00114, arXiv:1807.04300.
doi: 10.3847/2041-8213/aad083.

ANTARES Collaboration and IceCube Collaboration.
Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes.
The astrophysical journal / 2, 868(2):L20, and PUBDB-2018-05624.
doi: 10.3847/2041-8213/aaeecf.

S. Antusch et al.
Lepton flavor violating dilepton dijet signatures from sterile neutrinos at proton colliders.
Journal of high energy physics, 1810(10):067, and PUBDB-2018-03899, DESY-17-151; arXiv:1805.11400.
doi: 10.1007/JHEP10(2018)067.

A. Archer et al.
HESS J1943+213: An Extreme Blazar Shining through the Galactic Plane.
The astrophysical journal / 1, 862(1):41, and PUBDB-2018-02737, arXiv:1806.04144.
doi: 10.3847/1538-4357/aacbd0.

P. Athron et al.
Addendum - GAMBIT: the global and modular beyond-the-standard-model inference tool.
The European physical journal / C, 78(2):98, and PUBDB-2019-00418, DESY-17-236; COEPP-MN-17-6; CERN-TH-2017-166; NORDITA-2017-074; arXiv:1705.07908.
doi: 10.1140/epjc/s10052-017-5513-2.

P. Athron et al.
Impact of vacuum stability, perturbativity and XENON1T on global fits of $\mathbb{Z}_2$ and $\mathbb{Z}_3$ scalar singlet dark matter.
The European physical journal / C, 78(10):830, and PUBDB-2018-03914, DESY-18-102; arXiv:1806.11281; TTK-18-21; CoEPP-MN-18-3.
doi: 10.1140/epjc/s10052-018-6314-y.

ATLAS Collaboration.
A search for $B-L$ R-parity-violating top squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment.
Physical review / D, 97(3):032003, and PUBDB-2018-04536, CERN-EP-2017-171; arXiv:1710.05544.
doi: 10.1103/PhysRevD.97.032003.

ATLAS Collaboration.
A search for lepton-flavor-violating decays of the Z boson into a τ-lepton and a light lepton with the ATLAS detector.
Physical review / D, 98(9):092010, and PUBDB-2019-00842, arXiv:1804.09568; CERN-EP-2018-052.
doi: 10.1103/PhysRevD.98.092010.

ATLAS Collaboration.
A search for pair-produced resonances in four-jet final states at $\sqrt{s}$ = 13 TeV with the ATLAS detector.
The European physical journal / C, 78(3):250, and PUBDB-2018-03464, CERN-EP-2017-183; arXiv:1710.07171.
doi: 10.1140/epjc/s10052-018-5693-4.

ATLAS Collaboration.
A search for resonances decaying into a Higgs boson and a new particle X in the $XH \to qqbb$ final state with the ATLAS detector.
Physics letters / B, 779:24, and PUBDB-2018-04530, CERN-EP-2017-204; arXiv:1709.06783.
doi: 10.1016/j.physletb.2018.01.042.

ATLAS Collaboration.
A search for resonant and non-resonant Higgs boson pair production in the $b\bar{b}\tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review letters, 121(19):191801, and PUBDB-2018-04644, arXiv:1808.00336; CERN-EP-2018-164.
doi: 10.1103/PhysRevLett.121.191801.

ATLAS Collaboration.
Angular analysis of $B_d^0 \to K^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.
Journal of high energy physics, 1810(10):047, and PUBDB-2019-00147, arXiv:1805.04000; CERN-EP-2017-161.
doi: 10.1007/JHEP10(2018)047.

ATLAS Collaboration.
Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(5):052008, and PUBDB-2018-04346, CERN-EP-2018-179; arXiv:1808.02380.
doi: 10.1103/PhysRevD.98.052008.

ATLAS Collaboration.
Combination of the searches for pair-produced vector-like partners of the third-generation quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review letters, 121(21):211801, and PUBDB-2018-05404, arXiv:1808.02343; CERN-EP-2018-205.
doi: 10.1103/PhysRevLett.121.211801.

ATLAS Collaboration.
Combined measurement of differential and total cross sections in the $H \to \gamma\gamma$ and the $H \to ZZ^* \to 4\ell$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 786:114, and PUBDB-2019-00130, arXiv:1805.10197; CERN-EP-2018-080.
doi: 10.1016/j.physletb.2018.09.019.

ATLAS Collaboration.
Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $E_{\text{beam}} = 4$ TeV.
Journal of Instrumentation, 13(12):P12006, and PUBDB-2018-05401, arXiv:1810.04450; CERN-EP-2018-240.
doi: 10.1088/1748-0221/13/12/P12006.

ATLAS Collaboration.
Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \to 4\ell$ and $ZZ \to 2\ell 2\nu$ final states with the ATLAS detector.
Physics letters / B, 786:223, and PUBDB-2018-04348, arXiv:1808.01191; CERN-EP-2018-178.
doi: 10.1016/j.physletb.2018.09.048.

ATLAS Collaboration.
Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s} = 8$TeV with the ATLAS experiment.
The European physical journal / C, 78(2):129, and PUBDB-2018-03465, CERN-EP-2017-187; arXiv:1709.04207.
doi: 10.1140/epjc/s10052-018-5595-5.

ATLAS Collaboration.
Erratum to: Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
The European physical journal / C, 78(11):898, and PUBDB-2019-00112, CERN-EP-2016-305; arXiv:1701.07240.
doi: 10.1140/epjc/s10052-018-6354-3.

ATLAS Collaboration.
Erratum to: Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector.
Journal of high energy physics, 1811(11):051, and PUBDB-2018-04559, CERN-EP-2017-250; arXiv:1712.06518.
doi: 10.1007/JHEP11(2018)051.

ATLAS Collaboration.
Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector.
Physical review / D D, 97(7):072003, and PUBDB-2018-03467.
doi: 10.1103/PhysRevD.97.072003.

ATLAS Collaboration.
Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(10):847, and PUBDB-2019-00105, arXiv:1805.02935; CERN-EP-2018-041.
doi: 10.1140/epjc/s10052-018-6290-2.

ATLAS Collaboration.
Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector.
Journal of high energy physics, 1805(05):077, and PUBDB-2018-03468, CERN-EP-2017-213; arXiv:1711.03296.
doi: 10.1007/JHEP05(2018)077.

ATLAS Collaboration.
Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector.
Physics letters / B, 776:295, and PUBDB-2018-00661, CERN-EP-2017-217; arXiv:1710.09560.
doi: 10.1016/j.physletb.2017.11.054.

ATLAS Collaboration.
Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS.
The European physical journal / C, 78(3):186, and PUBDB-2018-03469, CERN-EP-2017-221; arXiv:1712.01602.
doi: 10.1140/epjc/s10052-018-5649-8.

ATLAS Collaboration.
Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and determination of the strong coupling.
Physical review / D, 98(9):092004, and PUBDB-2019-00131, CERN-EP-2017-282; arXiv:1805.04691.
doi: 10.1103/PhysRevD.98.092004.

ATLAS Collaboration.
Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1805(05):195, and PUBDB-2018-03470, CERN-EP-2017-157; arXiv:1711.02692.
doi: 10.1007/JHEP05(2018)195.

ATLAS Collaboration.
Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector.
Nuclear physics / A, 978:65, and PUBDB-2019-00099, arXiv:1706.02859; CERN-EP-2017-065.
doi: 10.1016/j.nuclphysa.2018.07.006.

ATLAS Collaboration.
Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector.
Physical review / C covering nuclear physics, 98(2):024908, and PUBDB-2019-00121, arXiv:1805.05424; CERN-EP-2018-096.
doi: 10.1103/PhysRevC.98.024908.

ATLAS Collaboration.
Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ and 5.02 TeV with the ATLAS detector.
The European physical journal / C, 78(2):142, and PUBDB-2019-00108, CERN-EP-2017-191; arXiv:1709.02301.
doi: 10.1140/epjc/s10052-018-5605-7.

ATLAS Collaboration.
Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in p p and p +Pb collisions with the ATLAS detector at the CERN Large Hadron Collider.
Physical review / C, 97(2):024904, and PUBDB-2018-03471.
doi: 10.1103/PhysRevC.97.024904.

ATLAS Collaboration.
Measurement of τ polarisation in $Z/\gamma^* \to \tau\tau$ decays in proton–proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.
The European physical journal / C, 78(2):163, and PUBDB-2019-00135, CERN-EP-2017-172; arXiv:1709.03490.
doi: 10.1140/epjc/s10052-018-5619-1.

ATLAS Collaboration.
Measurement of quarkonium production in proton–lead and proton–proton collisions at 5.02 TeV with the ATLAS detector.
The European physical journal / C, 78(3):171, and PUBDB-2018-03474, arXiv:1709.03089.
doi: 10.1140/epjc/s10052-018-5624-4.

ATLAS Collaboration.
Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector.
The European physical journal / C, 78(12):997, and PUBDB-2018-05403, arXiv:1808.03951; CERN-EP-2018-194.
doi: 10.1140/epjc/s10052-018-6468-7.

ATLAS Collaboration.
Measurement of the cross section for isolated-photon plus jet production in pp collisions at s = 13 TeV using the ATLAS detector.
Physics letters / B, 780:578, and PUBDB-2018-01922.
doi: 10.1016/j.physletb.2018.03.035.

ATLAS Collaboration.
Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS.
Journal of high energy physics, 1801(01):063, and PUBDB-2018-03475, CERN-EP-2016-238; arXiv:1612.07231.
doi: 10.1007/JHEP01(2018)063.

ATLAS Collaboration.
Measurement of the exclusive $\gamma\gamma \to \mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 777:303, and PUBDB-2018-03476, CERN-EP-2017-151; arXiv:1708.04053.
doi: 10.1016/j.physletb.2017.12.043.

ATLAS Collaboration.
Measurement of the Higgs boson mass in the $H \to ZZ^* \to 4\ell$ and $H \to \gamma\gamma$ channels with $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector.
Physics letters / B, 784:345, and PUBDB-2018-04640, arXiv:1806.00242; CERN-EP-2018-085.
doi: 10.1016/j.physletb.2018.07.050.

ATLAS Collaboration.
Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.
The European physical journal / C, 78(6):487, and PUBDB-2018-03479, CERN-EP-2017-276; arXiv:1712.06857.
doi: 10.1140/epjc/s10052-018-5904-z.

ATLAS Collaboration.
Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016.
The European physical journal / C, 1(3):55, and PUBDB-2018-05389, arXiv:1810.05087; CERN-EP-2018-216.
doi: 10.1140/epjc/s10052-019-6650-6.

ATLAS Collaboration.
Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s}$ = 8 TeV using the ATLAS detector.
Physics letters / B, 781:55, and PUBDB-2018-04561, CERN-EP-2017-302; arXiv:1712.07291.
doi: 10.1016/j.physletb.2018.03.057.

ATLAS Collaboration.
Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector.
Physics letters / B, 780:557, and PUBDB-2018-04534, CERN-EP-2017-188; arXiv:1710.03659.
doi: 10.1016/j.physletb.2018.03.023.

ATLAS Collaboration.
Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector.
Physical review letters, 121(9):092001, and PUBDB-2018-04553, arXiv:1711.08341; CERN-EP-2017-231.
doi: 10.1103/PhysRevLett.121.092001.

ATLAS Collaboration.
Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV with the ATLAS detector.
Physical review / C, 98(4):044905, and PUBDB-2019-00095,

arXiv:1805.05220; CERN-EP-2018-072.
doi: 10.1103/PhysRevC.98.044905.

ATLAS Collaboration.
Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
The European physical journal / C, 78(2):110, and PUBDB-2019-00141, CERN-EP-2016-305; arXiv:1701.07240.
doi: 10.1140/epjc/s10052-017-5475-4.

ATLAS Collaboration.
Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1808(08):089, and PUBDB-2019-00128, arXiv:1805.01845; CERN-EP-2018-047.
doi: 10.1007/JHEP08(2018)089.

ATLAS Collaboration.
Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector.
Journal of high energy physics, 1810(10):159, and PUBDB-2018-04577, arXiv:1802.06572; CERN-EP-2017-227; CERN-EP-2017-227.
doi: 10.1007/JHEP10(2018)159.

ATLAS Collaboration.
Measurements of Higgs boson properties in the diphoton decay channel with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(5):052005, and PUBDB-2018-05447, arXiv:1802.04146; CERN-EP-2017-288.
doi: 10.1103/PhysRevD.98.052005.

ATLAS Collaboration.
Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector.
Physical review / D, 98(1):012003, and PUBDB-2018-04564, arXiv:1801.02052; CERN-EP-2017-226.
doi: 10.1103/PhysRevD.98.012003.

ATLAS Collaboration.
Observation of centrality-dependent acoplanarity for muon pairs produced via two-photon scattering in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV with the ATLAS detector.
Physical review letters, 121(21):212301, and PUBDB-2018-04641, arXiv:1806.08708; CERN-EP-2018-100.
doi: 10.1103/PhysRevLett.121.212301.

ATLAS Collaboration.
Observation of $H \to b\bar{b}$ decays and VH production with the ATLAS detector.
Physics letters / B, 786:59, and PUBDB-2018-04344, arXiv:1808.08238; CERN-EP-2018-215.
doi: 10.1016/j.physletb.2018.09.013.

ATLAS Collaboration.
Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector.
Physics letters / B, 784:173, and PUBDB-2018-04639, arXiv:1806.00425; CERN-EP-2018-138.
doi: 10.1016/j.physletb.2018.07.035.

ATLAS Collaboration.
Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}$ = 13 TeV.
The European physical journal / C, 78(11):903, and PUBDB-2018-04578, arXiv:1802.08168; CERN-EP-2017-274.
doi: 10.1140/epjc/s10052-018-6288-9.

ATLAS Collaboration.
Probing the quantum interference between singly and doubly resonant top-quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review letters, 121(15):152002, and PUBDB-2018-04525, arXiv:1806.04667; CERN-EP-2018-087.
doi: 10.1103/PhysRevLett.121.152002.

ATLAS Collaboration.
Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment.
The European physical journal / C, 78(9):762, and PUBDB-2019-00153, CERN-EP-2018-049; arXiv:1805.04077.
doi: 10.1140/epjc/s10052-018-6219-9.

ATLAS Collaboration.
Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ Tev with the ATLAS detector.
The European physical journal / C, 78(9):784, and PUBDB-2018-04369, arXiv:1807.05198; CERN-EP-2018-170.
doi: 10.1140/epjc/s10052-018-6243-9.

ATLAS Collaboration.
Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell bb$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 783:392, and PUBDB-2019-00764, arXiv:1804.01126; CERN-EP-2018-030.
doi: 10.1016/j.physletb.2018.07.006.

ATLAS Collaboration.
Search for a new heavy gauge boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment.
The European physical journal / C, 78(5):401, and PUBDB-2019-00140, CERN-EP-2017-082; arXiv:1706.04786.
doi: 10.1140/epjc/s10052-018-5877-y.

ATLAS Collaboration.
Search for a Structure in the $B_s^0\pi^{\pm}$ Invariant Mass Spectrum with the ATLAS Experiment.
Physical review letters, 120(20):202007, and PUBDB-2018-04571, CERN-EP-2017-333; arXiv:1802.01840.
doi: 10.1103/PhysRevLett.120.202007.

ATLAS Collaboration.
Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector.
Journal of high energy physics, 1801(01):055, and PUBDB-2018-04531, CERN-EP-2017-199; arXiv:1709.07242.
doi: 10.1007/JHEP01(2018)055.

ATLAS Collaboration.
Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 776:318, and PUBDB-2019-00125, CERN-EP-2017-166; arXiv:1708.09624.
doi: 10.1016/j.physletb.2017.11.049.

ATLAS Collaboration.
Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}$ = 13 TeV with the ATLAS detector.
Journal of high energy physics, 1811(11):085, and PUBDB-2018-04646, arXiv:1808.03599; CERN-EP-2018-168.
doi: 10.1007/JHEP11(2018)085.

ATLAS Collaboration.
Search for charged Higgs bosons decaying via $H^{\pm} \to \tau^{\pm}\nu_{\tau}$ in the τ+jets and τ+lepton final states with 36 fb^{-1} of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment.
Journal of high energy physics, 1809(09):139, and PUBDB-2018-04363, arXiv:1807.07915; CERN-EP-2018-148.
doi: 10.1007/JHEP09(2018)139.

ATLAS Collaboration.
Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(9):092012, and PUBDB-2019-00151, arXiv:1806.02293; CERN-EP-2018-113.
doi: 10.1103/PhysRevD.98.092012.

ATLAS Collaboration.
Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1810(10):180, and PUBDB-2018-04643, arXiv:1807.11471; CERN-EP-2018-083.
doi: 10.1007/JHEP10(2018)180.

ATLAS Collaboration.
Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}$ = 13 TeV pp collisions with the ATLAS detector.
The European physical journal / C, 78(1):18, and PUBDB-2018-00660, CERN-EP-2017-229; arXiv:1710.11412.
doi: 10.1140/epjc/s10052-017-5486-1.

ATLAS Collaboration.
Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s}$ = with the ATLAS detector.
Physics letters / B, 777:91, and PUBDB-2017-13880, CERN-EP-2017-147; arXiv:1708.04445.
doi: 10.1016/j.physletb.2017.12.011.

ATLAS Collaboration.
Search for doubly charged Higgs boson production in multilepton final states with the ATLAS detector using proton–proton collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(3):199, and PUBDB-2018-04538, CERN-EP-2017-198; arXiv:1710.09748.
doi: 10.1140/epjc/s10052-018-5661-z.

ATLAS Collaboration.
Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector.
The European physical journal / C, 78:995, and PUBDB-2019-00148, CERN-EP-2017-303; arXiv:1803.02762.
doi: 10.1140/epjc/s10052-018-6423-7.

ATLAS Collaboration.
Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 97(5):052010, and PUBDB-2018-04562, CERN-EP-2017-297; arXiv:1712.08119.
doi: 10.1103/PhysRevD.97.052010.

ATLAS Collaboration.
Search for exclusive Higgs and Z boson decays to $\phi\gamma$ and $\rho\gamma$ with the ATLAS detector.
Journal of high energy physics, 1807(07):127, and PUBDB-2018-04558, CERN-EP-2017-273; arXiv:1712.02758.
doi: 10.1007/JHEP07(2018)127.

ATLAS Collaboration.
Search for flavor-changing neutral currents in top quark decays $t \to Hc$ and $t \to Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(3):032002, and PUBDB-2019-00145, arXiv:1805.03483; CERN-EP-2018-067.
doi: 10.1103/PhysRevD.98.032002.

ATLAS Collaboration.
Search for flavour-changing neutral current top-quark decays $t \to qZ$ in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1807(07):176, and PUBDB-2018-04579, CERN-EP-2018-018; arXiv:1803.09923.
doi: 10.1007/JHEP07(2018)176.

ATLAS Collaboration.
Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
The European physical journal / C, 78(7):565, and PUBDB-2019-00771, arXiv:1804.10823; CERN-EP-2018-48.
doi: 10.1140/epjc/s10052-018-5995-6.

ATLAS Collaboration.
Search for heavy resonances decaying into WW in the $e\nu\mu\nu$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
The European physical journal / C, 78(1):24, and PUBDB-2018-04533, CERN-EP-2017-214; arXiv:1710.01123.
doi: 10.1140/epjc/s10052-017-5491-4.

ATLAS Collaboration.
Search for heavy resonances decaying to a photon and a hadronically decaying $Z/W/H$ boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(3):032015, and PUBDB-2019-00100, arXiv:1805.01908; CERN-EP-2018-055.
doi: 10.1103/PhysRevD.98.032015.

ATLAS Collaboration.
Search for heavy ZZ resonances in the $\ell^+\ell^-\ell^+\ell^-$ and $\ell^+\ell^-\nu\bar{\nu}$ final states using proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
The European physical journal / C, 78(4):293, and PUBDB-2018-04560, CERN-EP-2017-251; arXiv:1712.06386.
doi: 10.1140/epjc/s10052-018-5686-3.

ATLAS Collaboration.
Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\gamma\gamma jj$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 782:750, and PUBDB-2019-00154, CERN-EP-2017-295; arXiv:1803.11145.
doi: 10.1016/j.physletb.2018.06.011.

ATLAS Collaboration.
Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):166, and PUBDB-2018-04574, CERN-EP-2017-293; arXiv:1802.03388.
doi: 10.1007/JHEP06(2018)166.

ATLAS Collaboration.
Search for Higgs boson pair production in the $\gamma\gamma b\bar{b}$ final state with 13 TeV pp collision data collected by the ATLAS experiment.
Journal of high energy physics, 1811(11):040, and PUBDB-2018-04524, arXiv:1807.04873; CERN-EP-2018-130.
doi: 10.1007/JHEP11(2018)040.

ATLAS Collaboration.
Search for Higgs boson pair production in the $\gamma\gamma WW^*$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector.
The European physical journal / C, 78(12):1007, and PUBDB-2019-00300, arXiv:1807.08567; CERN-EP-2018-104.
doi: 10.1140/epjc/s10052-018-6457-x.

ATLAS Collaboration.
Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector.
Physical review / D, 98(5):052003, and PUBDB-2018-04365, arXiv:1807.08639; CERN-EP-2018-140.
doi: 10.1103/PhysRevD.98.052003.

ATLAS Collaboration.
Search for High-Mass Resonances Decaying to τ ν in p p Collisions at s = 13 TeV with the ATLAS Detector.
Physical review letters, 120(16):161802, and PUBDB-2018-01923.
doi: 10.1103/PhysRevLett.120.161802.

ATLAS Collaboration.
Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(9):092008, and PUBDB-2018-04642, arXiv:1807.06573; CERN-EP-2018-137.
doi: 10.1103/PhysRevD.98.092008.

ATLAS Collaboration.
Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1806(06):022, and PUBDB-2018-04555, CERN-EP-2017-179; arXiv:1712.02118.
doi: 10.1007/JHEP06(2018)022.

ATLAS Collaboration.
Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s}$ = 13 TeV pp collisions with the ATLAS detector.
Physical review / D, 97(5):052012, and PUBDB-2018-04535, CERN-EP-2017-202; arXiv:1710.04901.
doi: 10.1103/PhysRevD.97.052012.

ATLAS Collaboration.
Search for low-mass dijet resonances using trigger-level jets with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 121(8):081801, and PUBDB-2019-00132, arXiv:1804.03496; CERN-EP-2018-033.
doi: 10.1103/PhysRevLett.121.081801.

ATLAS Collaboration.
Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1812(12):039, and PUBDB-2019-00119, arXiv:1807.11883; CERN-EP-2018-171.
doi: 10.1007/JHEP12(2018)039.

ATLAS Collaboration.
Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector.
The European physical journal / C, 78(2):102, and PUBDB-2018-04529, CERN-EP-2017-148; arXiv:1709.10440.
doi: 10.1140/epjc/s10052-018-5553-2.

ATLAS Collaboration.
Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector.
The European physical journal / C, 78(8):625, and PUBDB-2019-00110, arXiv:1805.11381; CERN-EP-2018-053.
doi: 10.1140/epjc/s10052-018-6081-9.

ATLAS Collaboration.
Search for pair production of heavy vector-like quarks decaying into hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(9):092005, and PUBDB-2018-04645, arXiv:1808.01771; CERN-EP-2018-176.
doi: 10.1103/PhysRevD.98.092005.

ATLAS Collaboration.
Search for pair production of heavy vector-like quarks decaying into high-p_T W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Journal of high energy physics, 1808(08):048, and PUBDB-2018-04527, arXiv:1806.01762; CERN-EP-2018-088.
doi: 10.1007/JHEP08(2018)048.

ATLAS Collaboration.
Search for pair production of higgsinos in final states with at least three b-tagged jets in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector.
Physical review / D, 98(9):092002, and PUBDB-2018-04526, arXiv:1806.04030; CERN-EP-2018-050; CERN-EP-2018-050.
doi: 10.1103/PhysRevD.98.092002.

ATLAS Collaboration.
Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector.
Journal of high energy physics, 1807(07):089, and PUBDB-2018-04580, CERN-EP-2018-031; arXiv:1803.09678.
doi: 10.1007/JHEP07(2018)089.

ATLAS Collaboration.
Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector.
Physical review / D, 97(9):092006, and PUBDB-2018-04572, CERN-EP-2017-323; arXiv:1802.03158.
doi: 10.1103/PhysRevD.97.092006.

ATLAS Collaboration.
Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(3):032016, and PUBDB-2019-00101, arXiv:1805.09299; CERN-EP-2018-075.
doi: 10.1103/PhysRevD.98.032016.

ATLAS Collaboration.
Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 787:68, and PUBDB-2018-04528, arXiv:1806.01532; CERN-EP-2018-077.
doi: 10.1016/j.physletb.2018.10.021.

ATLAS Collaboration.
Search for R-parity-violating supersymmetric particles in multi-jet final states produced in p-p collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC.
Physics letters / B, 785:136, and PUBDB-2019-00139, arXiv:1804.03568; CERN-EP-2017-298.
doi: 10.1016/j.physletb.2018.08.021.

ATLAS Collaboration.
Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector.
Physical review / D, 97(11):112001, and PUBDB-2018-04556, CERN-EP-2017-136; arXiv:1712.02332.
doi: 10.1103/PhysRevD.97.112001.

ATLAS Collaboration.
Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS.
Physical review / D, 98(3):032009, and PUBDB-2019-00144, arXiv:1804.03602; CERN-EP-2017-300.
doi: 10.1103/PhysRevD.98.032009.

ATLAS Collaboration.
Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector.
Journal of high energy physics, 1809(09):050, and PUBDB-2019-00129, arXiv:1805.01649; CERN-EP-2018-034.
doi: 10.1007/JHEP09(2018)050.

ATLAS Collaboration.
Search for Supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1806(06):107, and PUBDB-2018-04539, CERN-EP-2017-18; arXiv:1711.01901.
doi: 10.1007/JHEP06(2018)107.

ATLAS Collaboration.
Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment.
Physical review letters, 120(21):211802, and PUBDB-2018-04575, CERN-EP-2017-334; arXiv:1802.04329.
doi: 10.1103/PhysRevLett.120.211802.

ATLAS Collaboration.
Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector.
The European physical journal / C, 78(2):154, and PUBDB-2019-00150, CERN-EP-2017-173; arXiv:1708.07875.
doi: 10.1140/epjc/s10052-018-5583-9.

ATLAS Collaboration.
Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \to aa \to 4b$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1810(10):031, and PUBDB-2019-00104, arXiv:1806.07355; CERN-EP-2018-128.
doi: 10.1007/JHEP10(2018)031.

ATLAS Collaboration.
Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector.
Physical review / D, 97(7):072016, and PUBDB-2018-04563, CERN-EP-2017-291; arXiv:1712.08895.
doi: 10.1103/PhysRevD.97.072016.

ATLAS Collaboration.
Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review / D, 98(3):032008, and PUBDB-2019-00143, arXiv:1803.10178; CERN-EP-2018-024.
doi: 10.1103/PhysRevD.98.032008.

ATLAS Collaboration.
Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detectorc.
Journal of high energy physics, 1806(06):108, and PUBDB-2018-04554, CERN-EP-2017-246; arXiv:1711.11520.
doi: 10.1007/JHEP06(2018)108.

ATLAS Collaboration.
Search for $W' \to tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 781:327, and PUBDB-2018-01924.
doi: 10.1016/j.physletb.2018.03.036.

ATLAS Collaboration.
Search for WW/WZ resonance production in $\ell\nu qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1803(03):042, and PUBDB-2018-04537, CERN-EP-2017-223; arXiv:1710.07235.
doi: 10.1007/JHEP03(2018)042.

ATLAS Collaboration.
Searches for exclusive Higgs and Z boson decays into $J/\psi\gamma$, $\psi(2S)\gamma$, and $\Upsilon(nS)\gamma$ at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 786:134, and PUBDB-2018-04370, arXiv:1807.00802; CERN-EP-2018-154.
doi: 10.1016/j.physletb.2018.09.024.

ATLAS Collaboration.
Searches for heavy ZZ and ZW resonances in the $\ell\ell qq$ and $\nu\nu qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1803(03):009, and PUBDB-2018-05417, CERN-EP-2017-146; arXiv:1708.09638.
doi: 10.1007/JHEP03(2018)009.

ATLAS Collaboration.
$ZZ \to \ell^+\ell^-\ell'^+\ell'^-$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector.
Physical review / D, 97(3):032005, and PUBDB-2018-04532, CERN-EP-2017-163; arXiv:1709.07703.
doi: 10.1103/PhysRevD.97.032005.

ATLAS Collaboration and CMS Collaboration.
Combination of inclusive and differential $\mathrm{t\bar{t}}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV.
Journal of high energy physics, 1804(04):033, and PUBDB-2018-02423, CMS-TOP-15-016; ATLAS-TOPQ-2016-16; CERN-EP-2017-236; arXiv:1709.05327.
doi: 10.1007/JHEP04(2018)033.

D. Azevedo et al.
CP in the dark.
Journal of high energy physics, 1811(11):091, and PUBDB-2018-05013, DESY-18-129; arXiv:1807.10322.
doi: 10.1007/JHEP11(2018)091.

G. Azuelos, H. Sun and K. Wang.
Search for singly charged Higgs bosons in vector-boson scattering at ep colliders.
Physical review / D, 97(11):116005, and PUBDB-2018-02254, DESY-17-150; arXiv:1712.07505.
doi: 10.1103/PhysRevD.97.116005.

I. Babounikau, P. Osland and A. A. Pankov.
Improved constraints on the mixing and mass of Z' bosons from resonant diboson searches at the LHC at $\sqrt{s} = 13$ TeV and predictions for Run II.
Physical review / D, 98(9):095029, and PUBDB-2019-01605, DESY-18-170; arXiv:1809.08933.
doi: 10.1103/PhysRevD.98.095029.

F. Bach et al.
Fully-differential top-pair production at a lepton collider: from threshold to continuum.
Journal of high energy physics, 1803(03):184, and PUBDB-2018-01671, DESY-17-158; LTH-1143; MITP-17-077; SI-HEP-2017-20; UWTHPH2017-35; arXiv:1712.02220.
doi: 10.1007/JHEP03(2018)184.

E. Bagnaschi et al.
Lepton-pair production in association with a $\mathrm{b\bar{b}}$ pair and the determination of the W boson mass.
Journal of high energy physics, 1807(07):101, and PUBDB-2018-03274, DESY-18-024; CP3-18-16; NIKHEF/2018-008; TIF-UNIMI 2018-2; arXiv:1803.04336.
doi: 10.1007/JHEP07(2018)101.

E. Bagnaschi et al.
Likelihood analysis of the pMSSM11 in light of LHC 13-TeV data.
The European physical journal / C, 78(3):256, and PUBDB-2018-01666, KCL-PH-TH-2017-22; CERN-PH-TH-2017-087; DESY-17-059; IFT-UAM-CSIC-17-035; FTPI-MINN-17-17; UMN-TH-3701-17; arXiv:1710.11091.
doi: 10.1140/epjc/s10052-018-5697-0.

H. Bahl et al.
Reconciling EFT and hybrid calculations of the light MSSM Higgs-boson mass.
The European physical journal / C, 78(1):57, and PUBDB-2018-01394, DESY-17-072; IFT-UAM-CSIC-17-047; MPP-2017-108; arXiv:1706.00346.
doi: 10.1140/epjc/s10052-018-5544-3.

I. Baldes, T. Konstandin and G. Servant.
A first-order electroweak phase transition from varying Yukawas.
Physics letters / B, 786:373, and PUBDB-2019-00768, arXiv:1604.04526; DESY-16-068.
doi: 10.1016/j.physletb.2018.10.015.

I. Baldes and G. Servant.
High scale electroweak phase transition: baryogenesis & symmetry non-restoration.
Journal of high energy physics, 1810(10):053, and PUBDB-2018-05010, arXiv:1807.08770; DESY-18-109.
doi: 10.1007/JHEP10(2018)053.

G. S. Bali et al.
Two-current correlations in the pion on the lattice.
Journal of high energy physics, 1812(12):061, and PUBDB-2019-00004, DESY-18-105; CERN-TH-2018-147; arXiv:1807.03073.
doi: 10.1007/JHEP12(2018)061.

A. Ballestrero et al.
Precise predictions for same-sign W-boson scattering at the LHC.
The European physical journal / C, 78(8):671, and PUBDB-2018-03280.
doi: 10.1140/epjc/s10052-018-6136-y.

D. Banerjee, S. Chandrasekharan and D. Orlando.
Conformal Dimensions via Large Charge Expansion.
Physical review letters, 120(6):061603, and PUBDB-2018-01166.
doi: 10.1103/PhysRevLett.120.061603.

D. Banerjee et al.
From the $SU(2)$ quantum link model on the honeycomb lattice to the quantum dimer model on the kagome lattice: Phase transition and fractionalized flux strings.
Physical review / B, 97(20):205108, and PUBDB-2018-02053, arXiv:1712.08300.
doi: 10.1103/PhysRevB.97.205108.

P. Banerjee et al.
Threshold resummation of the rapidity distribution for Drell-Yan production at NNLO + NNLL.
Physical review / D D, 98(5):054018, and PUBDB-2018-03906, DESY-18-067; IMSc-2018-05-03; arXiv:1805.01186.
doi: 10.1103/PhysRevD.98.054018.

T. Bargheer et al.
Handling Handles: Nonplanar Integrability in $\mathcal{N} = 4$ Supersymmetric Yang-Mills Theory.
Physical review letters, 121(23):231602, and PUBDB-2019-00832, arXiv:1711.05326.
doi: 10.1103/PhysRevLett.121.231602.

T. Bargheer et al.
Handling handles. Part II. Stratification and data analysis.
Journal of high energy physics, 1811(11):095, and PUBDB-2019-00387, arXiv:1809.09145.
doi: 10.1007/JHEP11(2018)095.

N. Bartolo et al.
Probing non-Gaussian stochastic gravitational wave backgrounds with LISA.
Journal of cosmology and astroparticle physics, 1811(11):034, and PUBDB-2018-05008, DESY-18-086; CERN-TH-2018-130; UMN-TH-3720-18; IFT-UAM-CSIC-18-58; KCL-PH-TH-2018-22; ACFI-T18-08; arXiv:1806.02819.
doi: 10.1088/1475-7516/2018/11/034.

S. W. Barwick et al.
Observation of classically 'forbidden' electromagnetic wave propagation and implications for neutrino detection.
Journal of cosmology and astroparticle physics, 1807(07):055, and PUBDB-2018-02917, arXiv:1804.10430.
doi: 10.1088/1475-7516/2018/07/055.

P. Basler, M. Mühlleitner and J. Wittbrodt.
The CP-violating 2HDM in light of a strong first order electroweak phase transition and implications for Higgs pair production.
Journal of high energy physics, 1803(03):061, and PUBDB-2018-01674, DESY-17-174; KA-TP-39-2017; arXiv:1711.04097.
doi: 10.1007/JHEP03(2018)061.

A. N. Baushev and M. Barkov.
Why does Einasto profile index $n \sim 6$ occur so frequently?
Journal of cosmology and astroparticle physics, 1803(03):034, and PUBDB-2019-00098, arXiv:1705.05302.
doi: 10.1088/1475-7516/2018/03/034.

G. Bell, R. Rahn and J. Talbert.
Two-loop anomalous dimensions of generic dijet soft functions.
Nuclear physics, 936:520, and PUBDB-2018-03910, DESY-18-078; SI-HEP-2018-16; QFET-2018-10; arXiv:1805.12414.
doi: 10.1016/j.nuclphysb.2018.09.026.

Belle Collaboration.
Angular analysis of the $e^+e^- \to D^{(*)\pm}D^{*\mp}$ process near the open charm threshold using initial-state radiation.
Physical review / D, 97(1):012002, and PUBDB-2018-01226.
doi: 10.1103/PhysRevD.97.012002.

Belle Collaboration.
Evidence of charged $\Xi_c(2930)$ and updated measurement of $B^0 \to K^0\Lambda_c^+\bar{\Lambda}_c^-$ at Belle.
The European physical journal / C, 78(11):928, and PUBDB-2018-04924, arXiv:1806.09182; BELLE-PREPRINT-2018-10; KEK-PREPRINT-2018-16.
doi: 10.1140/epjc/s10052-018-6425-5.

Belle Collaboration.
Inclusive study of bottomonium production in association with an η meson in e^+e^- annihilations near $Upsilon(5S)$.
The European physical journal / C, 78(8):633, and PUBDB-2018-03236, Belle Preprint 2018-01; KEK Preprint 2017-60; arXiv:1803.03225.
doi: 10.1140/epjc/s10052-018-6086-4.

Belle Collaboration.
Measurement of branching fractions of hadronic decays of the Ω_c^0 baryon.
Physical review / D, 97(3):032001, and PUBDB-2018-01249.
doi: 10.1103/PhysRevD.97.032001.

Belle Collaboration.
Measurement of $\eta_c(1S), \eta_c(2S)$ and non-resonant $\eta'\pi^+\pi^-$ production via two-photon collisions.
Physical review / D, 98(7):072001, and PUBDB-2018-04472, Belle-preprint 2018-06; KEK-Preprint 2017-71; arXiv:1805.03044.
doi: 10.1103/PhysRevD.98.072001.

Belle Collaboration.
Measurement of the branching fraction of $B \to D^{(*)}\pi\ell\nu$ at Belle using hadronic tagging in fully reconstructed events.
Physical review / D D, 98(1):012005, and PUBDB-2018-03237, Belle preprint 2018-03; KEK Preprint 2017-67; arXiv:1803.06444.
doi: 10.1103/PhysRevD.98.012005.

Belle Collaboration.
Measurement of the Decays $\Lambda_c \to \Sigma\pi\pi$ at Belle.
Physical review / D, 98(11):112006, and PUBDB-2019-00770, BELLE Preprint 2017-26; KEK Preprint 2017-39; arXiv:1802.03421.
doi: 10.1103/PhysRevD.98.112006.

Belle Collaboration.
Measurement of the τ lepton polarization and $R(D^*)$ in the decay $\bar{B} \to D^*\tau^-\bar{\nu}_\tau$ with one-prong hadronic τ decays at Belle.
Physical review / D, 97(1):012004, and PUBDB-2018-01234.
doi: 10.1103/PhysRevD.97.012004.

Belle Collaboration.
Measurement of the τ Michel parameters $\bar{\eta}$ and $\xi\kappa$ in the radiative leptonic decay $\tau^- \to \ell^-\nu_\tau\bar{\nu}_\ell\gamma$.
Progress of theoretical and experimental physics, 2018(2):023C01, and PUBDB-2018-02588, arXiv:1709.08833; Belle preprint 2017-20, KEK preprint 2017-29.
doi: 10.1093/ptep/pty003.

Belle Collaboration.
Measurement of time-dependent CP asymmetries in $B^0 \to K^0_S\eta\gamma$ decays.
Physical review / D, 97(9):092003, and PUBDB-2018-02859, BELLE-PREPRINT-2018-07; KEK-PREPRINT-2018-1; arXiv:1803.07774.
doi: 10.1103/PhysRevD.97.092003.

Belle Collaboration.
Measurements of the absolute branching fractions of $\mathrm{B}^+ \to \mathrm{X}_{c\bar{c}}\mathrm{K}^+$ and $\mathrm{B}^+ \to \bar{\mathrm{D}}^{(*)0}\pi^+$ at Belle.
Physical review / D, 97(1):012005, and PUBDB-2018-01235, arXiv:1709.06108.
doi: 10.1103/PhysRevD.97.012005.

Belle Collaboration.
Observation of $\Upsilon(2\mathrm{S}) \to \gamma\eta_\mathrm{b}(1\mathrm{S})$ decay.
Physical review letters, 121:232001, and PUBDB-2019-00251, BELLE-PREPRINT-2018-14; KEK-PREPRINT-2018-20; PNNL-SA-135879; arXiv:1807.01201.
doi: 10.1103/PhysRevLett.121.232001.

Belle Collaboration.
Observation of $\Upsilon(4S) \to \eta'\Upsilon(1S)$.
Physical review letters, 121(6):062001, and PUBDB-2018-03239, KEK Preprint 2018-2. arXiv:1803.10303. Belle preprint 2018-08.
doi: 10.1103/PhysRevLett.121.062001.

Belle Collaboration.
Observation of an Excited Ω^- Baryon.
Physical review letters, 121(5):052003, and PUBDB-2018-03258, arXiv:1805.09384; BELLE-PREPRINT-2018-09; KEK-PREPRINT-2018-3.
doi: 10.1103/PhysRevLett.121.052003.

Belle Collaboration.
Observation of $\Xi_c(2930)^0$and updated measurement of $B^- \to K^-\Lambda_c^+\bar{\Lambda}_c^-$ at Belle.
The European physical journal / C, 78(3):252, and PUBDB-2018-02856, BELLE-PREPRINT-2017-24; KEK-PREPRINT-2017-35; arXiv:1712.03612.
doi: 10.1140/epjc/s10052-018-5720-5.

Belle Collaboration.
Observation of $e^+e^- \to \gamma\chi_{c1}$ and search for $e^+e^- \to \gamma\chi_{c0}, \gamma\chi_{c2}$, and $\gamma\eta_c$ at $\sqrt{s}$ near 10.6 GeV at Belle.
Physical review / D, 98(9):092015, and PUBDB-2018-05231, arXiv:1810.10291; Belle Preprint-2018-22; KEK Preprint-2018-55.
doi: 10.1103/PhysRevD.98.092015.

Belle Collaboration.
Observation of $e^+e^- \to \pi^+\pi^-\pi^0\chi_{b1,2}(1P)$ and search for $e^+e^- \to \phi\chi_{b1,2}(1P)$ at $\sqrt{s}$ = 10.96−11.05 Ge.
Physical review / D, 98(9):091102, and PUBDB-2018-04916, Belle-preprint-2018-12; KEK-Preprint-2018-18; arXiv:1806.06203.
doi: 10.1103/PhysRevD.98.091102.

Belle Collaboration.
Observation of excited Ω_c charmed baryons in e^+e^- collisions.
Physical review / D, 97(5):051102, and PUBDB-2018-02591, BELLE-PREPRINT-2017-22; KEK-PREPRINT-2017-32; arXiv:1711.07927.
doi: 10.1103/PhysRevD.97.051102.

Belle Collaboration.
Production cross sections of hyperons and charmed baryons from e^+e^- annihilation near $\sqrt{s} = 10.52$ GeV.
Physical review / D, 97(7):072005, and PUBDB-2019-00380, BELLE-PREPRINT-2017-14; KEK-PREPRINT-2017-15; arXiv:1706.06791.
doi: 10.1103/PhysRevD.97.072005.

Belle Collaboration.
Search for $\Upsilon(1S, 2S) \to Z_c^+ Z_c^{(\prime)-}$ and $e^+e^- \to Z_c^+ Z_c^{(\prime)-}$ at $\sqrt{s}$ = 10.52, 10.
Physical review / D, 97(11):112004, and PUBDB-2018-03246, BELLE-PREPRINT-2018-02; KEK-PREPRINT-2017-65; BELLE-PREPRINT-2018-02; KEK-PREPRINT-2017-65; arXiv:1805.02308.
doi: 10.1103/PhysRevD.97.112004.

Belle Collaboration.
Search for $B^- \to \mu^-\bar{\nu}_\mu$ Decays at the Belle Experiment.
Physical review letters, 121(3):031801, and PUBDB-2018-02857, BELLE-PREPRINT-2017-17; KEK-PREPRINT-2017-21; arXiv:1712.04123.
doi: 10.1103/PhysRevLett.121.031801.

Belle Collaboration.
Search for CP violation in the $\mathrm{D}^+ \to \pi^+\pi^0$ decay at Belle.
Physical review / D, 97(1):011101, and PUBDB-2018-01278.
doi: 10.1103/PhysRevD.97.011101.

Belle Collaboration.
Search for the Lepton-Flavor-Violating Decay $B^0 \to K^{*0}\mu^\pm e^\mp$.
Physical review / D, 98(7):071101, and PUBDB-2018-04475, BELLE-PREPRINT-2018-11; KEK-PREPRINT-2018-17; UCHEP-18-03; arXiv:1807.03267.
doi: 10.1103/PhysRevD.98.071101.

Belle Collaboration.
Study of K^0_S pair production in single-tag two-photon collisions.
Physical review / D, 97(5):052003, and PUBDB-2018-02593, arXiv:1712.02145; Belle Preprint 2017-25, KEK Preprint 2017-36.
doi: 10.1103/PhysRevD.97.052003.

J. C. Berengut et al.
Probing New Long-Range Interactions by Isotope Shift Spectroscopy.
Physical review letters, 120(9):091801, and PUBDB-2018-01665, DESY-17-055.
doi: 10.1103/PhysRevLett.120.091801.

G. Bergner et al.
Low energy properties of SU(2) gauge theory with N_f = 3/2 flavours of adjoint fermions.
Journal of high energy physics, 1801(91):119, and PUBDB-2018-01678, DESY-17-184; MS-TP-17-28; arXiv:1712.04692.
doi: 10.1007/JHEP01(2018)119.

V. Bertone et al.
Heavy-flavor parton distributions without heavy-flavor matching prescriptions.
Journal of high energy physics, 2018(4):46, and PUBDB-2018-01915.
doi: 10.1007/JHEP04(2018)046.

L. Bianchi, M. Lemos and M. Meineri.
Line defects and radiation in $\mathcal{N} = 2$ theories.
Physical review letters, 121(14):141601, and PUBDB-2018-03909, DESY-18-071; arXiv:1805.04111.
doi: 10.1103/PhysRevLett.121.141601.

D. Biehl, J. Heinze and W. Winter.
Expected neutrino fluence from short Gamma-Ray Burst 170817A and off-axis angle constraints.
Monthly notices of the Royal Astronomical Society, 476(1):1191, and PUBDB-2018-01274, DESY-17-230; arXiv:1712.00449.
doi: 10.1093/mnras/sty285.

D. Biehl et al.
Cosmic Ray and Neutrino Emission from Gamma-Ray Bursts with a Nuclear Cascade.
Astronomy and astrophysics, 611:A101, and PUBDB-2018-01380, DESY-17-078; arXiv:1705.08909.
doi: 10.1051/0004-6361/201731337.

D. Biehl et al.
Tidally disrupted stars as a possible origin of both cosmic rays and neutrinos at the highest energies.
Scientific reports, 8:10828, and PUBDB-2018-02548, DESY-17-205; arXiv:1711.03555.
doi: 10.1038/s41598-018-29022-4.

T. Binder, L. Covi and K. Mukaida.
Dark matter Sommerfeld-enhanced annihilation and bound-state decay at finite temperature.
Physical review / D, 98(11):115023, and PUBDB-2019-00230.
doi: 10.1103/PhysRevD.98.115023.

T. Binder et al.
Reannihilation of self-interacting dark matter.
Physical review / D, 97(12):123004, and PUBDB-2019-00847, arXiv:1712.01246.
doi: 10.1103/PhysRevD.97.123004.

J. Blümlein and C. Schneider.
Analytic computing methods for precision calculations in quantum field theory.
International journal of modern physics / A, 33(17):1830015, and PUBDB-2018-02375, DESY-18-045; DO-TH-18-06.
doi: 10.1142/S0217751X18300156.

J. Blümlein et al.
The variable flavor number scheme at next-to-leading order.
Physics letters / B, 782:362, and PUBDB-2018-02167.
doi: 10.1016/j.physletb.2018.05.054.

M. Boggia et al.
The HiggsTools handbook: a beginners guide to decoding the Higgs sector.
Journal of physics / G, 45(6):065004, and PUBDB-2019-00807, IPPP-17-90; arXiv:1711.09875.
doi: 10.1088/1361-6471/aab812.

S. Borowka, S. Paßehr and G. Weiglein.
Complete two-loop QCD contributions to the lightest Higgs-boson mass in the MSSM with complex parameters.
The European physical journal / C, 78(7):576, and PUBDB-2018-03261, CERN-TH-2017-081; DESY-17-066; arXiv:1802.09886.
doi: 10.1140/epjc/s10052-018-6055-y.

T. Bourton, A. Pini and E. Pomoni.
4d $\mathcal{N} = 3$ indices via discrete gauging.
Journal of high energy physics, 1810(10):131, and PUBDB-2018-04991, DESY-18-050; arXiv:1804.05396.
doi: 10.1007/JHEP10(2018)131.

S. Brass et al.
Transversal modes and Higgs bosons in electroweak vector-boson scattering at the LHC.
The European physical journal / C, 78(11):931, and PUBDB-2018-04980, DESY-18-002; SI-HEP-2018-27; KA-TP-14-2018; arXiv:1807.02512.
doi: 10.1140/epjc/s10052-018-6398-4.

T. Bringmann et al.
Converting nonrelativistic dark matter to radiation.
Physical review / D, 98(2):023543, and PUBDB-2018-03282, DESY-18-032; TTK-18-10; arXiv:1803.03644.
doi: 10.1103/PhysRevD.98.023543.

D. Britzger et al.
Dijet production in diffractive deep-inelastic scattering in next-to-next-to-leading order QCD.
The European physical journal / C, 78(7):538, and PUBDB-2018-02623, CERN-TH-2018-081,DESY-18-054, IPPP-18-26, ZU-TH-13-18.
doi: 10.1140/epjc/s10052-018-5981-z.

S. Bruggisser et al.
Baryon Asymmetry from a Composite Higgs Boson.
Physical review letters, 121(13):131801, and PUBDB-2018-03902, DESY-18-029; arXiv:1803.08546.
doi: 10.1103/PhysRevLett.121.131801.

S. Bruggisser et al.
Electroweak phase transition and baryogenesis in composite Higgs models.
Journal of high energy physics, 1812(12):099, and PUBDB-2019-00486, DESY-17-229; arXiv:1804.07314.
doi: 10.1007/JHEP12(2018)099.

W. Buchmuller, M. Dierigl and E. Dudas.
Flux compactifications and naturalness.
Journal of high energy physics, 1808(08):151, and PUBDB-2018-03283, DESY-18-048; CPHT-RR020.042018; arXiv:1804.07497.
doi: 10.1007/JHEP08(2018)151.

W. Buchmuller and K. M. Patel.
Flavor physics without flavor symmetries.
Physical review / D, 97(7):075019, and PUBDB-2018-02257, DESY-17-220; arXiv:1712.06862.
doi: 10.1103/PhysRevD.97.075019.

M. G. A. Buffing, M. Diehl and T. Kasemets.
Transverse momentum in double parton scattering: factorisation, evolution and matching.
Journal of high energy physics, 1801(01):044, and PUBDB-2018-01390, DESY-17-014; NIKHEF-2016-028; arXiv:1708.03528.
doi: 10.1007/JHEP01(2018)044.

M. Bury et al.
Calculations with off-shell matrix elements, TMD parton densities and TMD parton showers.
The European physical journal / C, 78(2):137, and PUBDB-2018-01273, IFJPAN-IV-2017-28; DESY-17-222; arXiv:1712.05932.
doi: 10.1140/epjc/s10052-018-5642-2.

D. Buttazzo et al.
Fusing vectors into scalars at high energy lepton colliders.
Journal of high energy physics, 1811(11):144, and PUBDB-2018-05011, DESY-18-116; arXiv:1807.04743.
doi: 10.1007/JHEP11(2018)144.

I. Bychkov et al.
Russian–German Astroparticle Data Life Cycle Initiative.
Data, 3(4):56, and PUBDB-2018-05521.
doi: 10.3390/data3040056.

CALICE Collaboration.
Hadronic Energy Resolution of a Combined High Granularity Scintillator Calorimeter System.
Journal of Instrumentation, 13(12):P12022, and PUBDB-2018-05630, arXiv:1809.03909.
doi: 10.1088/1748-0221/13/12/P12022.

M. Carena, Z. Liu and M. Riembau.
Probing the electroweak phase transition via enhanced di-Higgs boson production.
Physical review / D, 97(9):095032, and PUBDB-2019-00276, FERMILAB-PUB-17-600-T; arXiv:1801.00794.
doi: 10.1103/PhysRevD.97.095032.

M. Carmignotto et al.
Separated Kaon Electroproduction Cross Section and the Kaon Form Factor from 6 GeV JLab Data.
Physical review / C covering nuclear physics, C97(2):025204, and PUBDB-2019-00846, JLAB-PHY-18-2645; arXiv:1801.01536.
doi: 10.1103/PhysRevC.97.025204.

S. Caron-Huot et al.
The double pentaladder integral to all ordersC.
Journal of high energy physics, 1807(07):170, and PUBDB-2018-05437, DESY-18-041; SLAC-PUB-17228; arXiv:1806.01361.
doi: 10.1007/JHEP07(2018)170.

G. Carvalho Dorsch, S. J. Huber and T. Konstandin.
Bubble wall velocities in the Standard Model and beyond.
Journal of cosmology and astroparticle physics, 1812(12):034, and PUBDB-2019-00044, DESY-18-162; arXiv:1809.04907.
doi: 10.1088/1475-7516/2018/12/034.

M. Caselle, A. Nada and M. Panero.
QCD thermodynamics from lattice calculations with nonequilibrium methods: The SU(3) equation of state.
Physical review / D, 98(5):054513, and PUBDB-2018-03680, DESY-18-001; arXiv:1801.03110.
doi: 10.1103/PhysRevD.98.054513.

R. Catena et al.
Halo-independent comparison of direct detection experiments in the effective theory of dark matter-nucleon interactions.
Journal of cosmology and astroparticle physics, 1807(07):028, and PUBDB-2018-02663, DESY-18-015; arXiv:1801.08466.
doi: 10.1088/1475-7516/2018/07/028.

CDF Collaboration and D0 Collaboration.
Tevatron Run II combination of the effective leptonic electroweak mixing angle.
Physical review / D, 97(11):112007, and PUBDB-2019-00299, FERMILAB-PUB-18-015-E; arXiv:1801.06283.
doi: 10.1103/PhysRevD.97.112007.

Y. Chen, R.-Y. Liu and X.-Y. Wang.
Constraints onthe bulk Lorentz factor of gamma-ray burstswith the detection rate by Fermi LAT.
Monthly notices of the Royal Astronomical Society, 478(1):749, and PUBDB-2019-00133.
doi: 10.1093/mnras/sty1171.

S. Chigusa, Y. Ema and T. Moroi.
Probing electroweakly interacting massive particles with Drell–Yan process at 100 TeV hadron colliders.
Physical review / B, 789:106, and PUBDB-2019-00481, arXiv:1810.07349; DESY-18-180; UT-18-24; KEK-TH-2083.
doi: 10.1016/j.physletb.2018.12.011.

X. Chu and C. Garcia-Cely.
Core formation from self-heating dark matter.
Journal of cosmology and astroparticle physics, 2018(07):013, and PUBDB-2018-02702, DESY-18-040; arXiv:1803.09762.
doi: 10.1088/1475-7516/2018/07/013.

CMS Collaboration.
Angular analysis of the decay $B^+ \to K^+ \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Physical review / D, 98(11):112011, and PUBDB-2019-00546, CMS-BPH-15-001; CERN-EP-2018-125; arXiv:1806.00636.
doi: 10.1103/PhysRevD.98.112011.

CMS Collaboration.
Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/ c in PbPb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV.
Physics letters / B, 776:195, and PUBDB-2017-13833, CMS-HIN-15-014; CERN-EP-2017-001; arXiv:1702.00630.
doi: 10.1016/j.physletb.2017.11.041.

CMS Collaboration.
Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(7):566, and PUBDB-2018-04200, CMS-SMP-16-014; CERN-EP-2017-290; arXiv:1712.05471.
doi: 10.1140/epjc/s10052-018-6033-4.

CMS Collaboration.
Bose-Einstein correlations in pp, pPb, and PbPb collisions at $\sqrt{s_{NN}} = 0.9 - 7$ TeV.
Physical review / C covering nuclear physics, 97(6):064912, and PUBDB-2018-05779, CMS-FSQ-14-002; CERN-EP-2017-327; arXiv:1712.07198.
doi: 10.1103/PhysRevC.97.064912.

CMS Collaboration.
Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\mathrm{NN}}} = 5.44$ TeV.
Journal of high energy physics, 1810(10):138, and PUBDB-2018-04461, arXiv:1809.00201; CMS-HIN-18-004; CERN-EP-2018-228.
doi: 10.1007/JHEP10(2018)138.

CMS Collaboration.
Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1803(03):160, and PUBDB-2019-00285, CMS-SUS-17-004; CERN-EP-2017-283; arXiv:1801.03957.
doi: 10.1007/JHEP03(2018)160.

CMS Collaboration.
Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV.
Journal of high energy physics, 1803(03):181, and PUBDB-2018-01859, CMS-HIN-16-005; CERN-EP-2018-005; arXiv:1802.00707.
doi: 10.1007/JHEP03(2018)181.

CMS Collaboration.
Constraining gluon distributions in nuclei using dijets in proton-proton and proton-lead collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV.
Physical review letters, 121(6):062002, and PUBDB-2018-04443, arXiv:1805.04736; CMS-HIN-16-003; CERN-EP-2018-091.
doi: 10.1103/PhysRevLett.121.062002.

CMS Collaboration.
Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s} = 13$ TeV.
Physical review / D, 98(3):032005, and PUBDB-2018-04430, arXiv:1805.10228; CMS-SUS-18-001; CERN-EP-2018-109.
doi: 10.1103/PhysRevD.98.032005.

CMS Collaboration.
Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider.
Physical review / C, 97(4):044912, and PUBDB-2018-02420, CMS-HIN-17-001; CERN-EP-2017-193; arXiv:1708.01602.
doi: 10.1103/PhysRevC.97.044912.

CMS Collaboration.
Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Journal of high energy physics, 1802(2):32, and PUBDB-2018-01416, CMS-FSQ-16-005; CERN-EP-2017-310; arXiv:1712.02280.
doi: 10.1007/JHEP02(2018)032.

CMS Collaboration.
Electroweak production of two jets in association with a Z boson in proton–proton collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(7):589, and PUBDB-2018-04312, CMS-SMP-16-018; CERN-EP-2017-328; arXiv:1712.09814.
doi: 10.1140/epjc/s10052-018-6049-9.

CMS Collaboration.
Elliptic flow of charm and strange hadrons in high-multiplicity pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV.
Physical review letters, 121(8):082301, and PUBDB-2018-04446, arXiv:1804.09767; CMS-HIN-17-003; CERN-EP-2018-076.
doi: 10.1103/PhysRevLett.121.082301.

CMS Collaboration.
Erratum to: Measurements of the $pp \to ZZ$ production cross section and the $Z \to 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(6):515, and PUBDB-2019-00802, CMS-SMP-16-017; CERN-EP-2017-219; arXiv:1709.08601.
doi: 10.1140/epjc/s10052-018-5769-1.

CMS Collaboration.
Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1812(12):117, and PUBDB-2019-00702, arXiv:1811.00588; CMS-SMP-17-003; CERN-

EP-2018-253.
doi: 10.1007/JHEP12(2018)117.

CMS Collaboration.
Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1808(08):066, and PUBDB-2018-04331, arXiv:1803.05485; CMS-HIG-17-018; CERN-EP-2018-017.
doi: 10.1007/JHEP08(2018)066.

CMS Collaboration.
Evidence for the associated production of a single top quark and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 121(22):221802, and PUBDB-2018-05793, arXiv:1808.02913; CMS-TOP-17-016; CERN-EP-2018-206.
doi: 10.1103/PhysRevLett.121.221802.

CMS Collaboration.
Evidence for the Higgs boson decay to a bottom quark–antiquark pair.
Physics letters / B, 780:501, and PUBDB-2018-01821, CMS-HIG-16-044; CERN-EP-2017-233; arXiv:1709.07497.
doi: 10.1016/j.physletb.2018.02.050.

CMS Collaboration.
Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV.
Journal of Instrumentation, 13(05):P05011, and PUBDB-2018-05786, CMS-BTV-16-002; CERN-EP-2017-326; arXiv:1712.07158.
doi: 10.1088/1748-0221/13/05/P05011.

CMS Collaboration.
Inclusive search for a highly boosted Higgs boson decaying to a bottom quark-antiquark pair.
Physical review letters, 120(7):071802, and PUBDB-2018-01823, CMS-HIG-17-010; CERN-EP-2017-207; arXiv:1709.05543.
doi: 10.1103/PhysRevLett.120.071802.

CMS Collaboration.
Jet properties in PbPb and pp collisions at $\sqrt{s_{\mathrm{N\,N}}} = 5.02$ TeV.
Journal of high energy physics, 1805(05):006, and PUBDB-2019-00844, CMS-HIN-16-020; CERN-EP-2018-011; arXiv:1803.00042.
doi: 10.1007/JHEP05(2018)006.

CMS Collaboration.
Measurement of angular parameters from the decay $\mathrm{B}^0 \to \mathrm{K}^{*0}\mu^+\mu^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Physics letters / B, 781:517, and PUBDB-2018-02430, CMS-BPH-15-008; CERN-EP-2017-240; arXiv:1710.02846.
doi: 10.1016/j.physletb.2018.04.030.

CMS Collaboration.
Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV.
The European physical journal / C, 78(4):287, and PUBDB-2018-01846, CMS-SMP-15-009; CERN-EP-2017-257; arXiv:1711.02143.
doi: 10.1140/epjc/s10052-018-5752-x.

CMS Collaboration.
Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV.
The European physical journal / C, 78(6):457, and PUBDB-2018-02510, CMS-BPH-13-008; CERN-EP-2017-244; arXiv:1710.08949.
doi: 10.1140/epjc/s10052-018-5929-3.

CMS Collaboration.
Measurement of charged particle spectra in minimum-bias events from proton–proton collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(9):697, and PUBDB-2018-04453, arXiv:1806.11245; CMS-FSQ-16-011; CERN-EP-2018-187.
doi: 10.1140/epjc/s10052-018-6144-y.

CMS Collaboration.
Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton+jets events from pp collisions at $\sqrt{s} = 13$ TeV.
Physical review / D, 97(11):112003, and PUBDB-2018-04420, CMS-TOP-17-002; CERN-EP-2018-039; arXiv:1803.08856.
doi: 10.1103/PhysRevD.97.112003.

CMS Collaboration.
Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} =$ 13 TeV.
The European physical journal / C, 78(11):965, and PUBDB-2018-05790, arXiv:1804.05252; CMS-SMP-16-015; CERN-EP-2018-071.
doi: 10.1140/epjc/s10052-018-6373-0.

CMS Collaboration.
Measurement of differential cross sections in the kinematic angular variable ϕ^* for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV.
Journal of high energy physics, 1803(03):172, and PUBDB-2018-01830, CMS-SMP-17-002; CERN-EP-2017-234; arXiv:1710.07955.
doi: 10.1007/JHEP03(2018)172.

CMS Collaboration.
Measurement of jet substructure observables in $\mathrm{t\bar{t}}$ events from proton-proton collisions at $\sqrt{s} = 13$TeV.
Physical review / D D, D98(9):092014, and PUBDB-2018-05808, arXiv:1808.07340; CMS-TOP-17-013; CERN-EP-2018-214.
doi: 10.1103/PhysRevD.98.092014.

CMS Collaboration.
Measurement of normalized differential $\mathrm{t\bar{t}}$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1804(04):060, and PUBDB-2018-02417, CMS-TOP-16-007; CERN-EP-2017-120; arXiv:1708.07638.
doi: 10.1007/JHEP04(2018)060.

CMS Collaboration.
Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV.
The European physical journal / C, 78(6):509, and PUBDB-2018-02434, CMS-HIN-16-025; CERN-EP-2017-308;

arXiv:1712.08959.
doi: 10.1140/epjc/s10052-018-5950-6.

CMS Collaboration.
Measurement of prompt D^0 meson azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV.
Physical review letters, 120(20):202301, and PUBDB-2018-02419, CMS-HIN-16-007; CERN-EP-2017-174; arXiv:1708.03497.
doi: 10.1103/PhysRevLett.120.202301.

CMS Collaboration.
Measurement of quarkonium production cross sections in pp collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 780:251, and PUBDB-2018-01828, CMS-BPH-15-005; CERN-EP-2017-267; arXiv:1710.11002.
doi: 10.1016/j.physletb.2018.02.033.

CMS Collaboration.
Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s} =$ TeV.
Physics letters / B, B779:358, and PUBDB-2018-01417, CMS-TOP-16-020; CERN-EP-2017-296; arXiv:1712.02825.
doi: 10.1016/j.physletb.2018.02.025.

CMS Collaboration.
Measurement of the Λ_b polarization and angular parameters in $\Lambda_b \to J/\psi\Lambda$ decays from pp collisions at $\sqrt{s} = 7$ and 8 TeV.
Physical review / D, 97(7):072010, and PUBDB-2018-01861, CMS-BPH-15-002; CERN-EP-2017-331; arXiv:1802.04867.
doi: 10.1103/PhysRevD.97.072010.

CMS Collaboration.
Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1808(08):011, and PUBDB-2018-04309, arXiv:1711.02547; CMS-TOP-17-005; CERN-EP-2017-286.
doi: 10.1007/JHEP08(2018)011.

CMS Collaboration.
Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV.
Journal of high energy physics, 2018(10):161, and PUBDB-2018-04441, CMS-HIN-16-024; CERN-EP-2018-097; arXiv:1805.05145.
doi: 10.1007/JHEP10(2018)161.

CMS Collaboration.
Measurement of the inclusive $\mathrm{t\bar{t}}$ cross section in pp collisions at $\sqrt{s} = 5.02$ TeV using final states with at least one charged lepton.
Journal of high energy physics, 1803(03):115, and PUBDB-2018-01845, TOP-16-023; CERN-EP-2017-258; arXiv:1711.03143.
doi: 10.1007/JHEP03(2018)115.

CMS Collaboration.
Measurement of the inelastic proton-proton cross section at $\sqrt{\mathrm{s}} = 13$ TeV.
Journal of high energy physics, 1807(07):161, and PUBDB-2018-04325, arXiv:1802.02613; CMS-FSQ-15-005; CERN-EP-2018-004.
doi: 10.1007/JHEP07(2018)161.

CMS Collaboration.
Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV.
Physical review letters, 120(14):142302, and PUBDB-2018-01825, CMS-HIN-16-006; CERN-EP-2017-205; arXiv:1708.09429.
doi: 10.1103/PhysRevLett.120.142302.

CMS Collaboration.
Measurement of the top quark mass with lepton+jets final states using $\mathrm{p\,p}$ collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(11):891, and PUBDB-2018-04445, CMS-TOP-17-007; CERN-EP-2018-063; arXiv:1805.01428.
doi: 10.1140/epjc/s10052-018-6332-9.

CMS Collaboration.
Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1807(07):032, and PUBDB-2018-04208, CMS-FSQ-16-008; CERN-EP-2017-249; arXiv:1711.04299.
doi: 10.1007/JHEP07(2018)032.

CMS Collaboration.
Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV.
The European physical journal / C, 78(9):701, and PUBDB-2018-04423, arXiv:1806.00863; CMS-SMP-16-007; CERN-EP-2018-126.
doi: 10.1140/epjc/s10052-018-6148-7.

CMS Collaboration.
Measurement of the $\mathrm{Z}\gamma^* \to \tau\tau$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of τ lepton analysis techniques.
The European physical journal / C, 78(9):708, and PUBDB-2018-04317, arXiv:1801.03535; CMS-HIG-15-007; CERN-EP-2017-307.
doi: 10.1140/epjc/s10052-018-6146-9.

CMS Collaboration.
Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):002, and PUBDB-2018-04333, CMS-TOP-16-014; CERN-EP-2018-013; arXiv:1803.03991.
doi: 10.1007/JHEP06(2018)002.

CMS Collaboration.
Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):185, and PUBDB-2018-05791, CMS-HIG-16-040; CERN-EP-2018-060; arXiv:1804.02716.
doi: 10.1007/JHEP11(2018)185.

CMS Collaboration.
Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):113, and PUBDB-2018-05801, arXiv:1807.05974; CMS-SMP-16-010; CERN-EP-2018-180.
doi: 10.1007/JHEP11(2018)113.

CMS Collaboration.
Measurements of the $\mathrm{pp} \to \mathrm{ZZ}$ production cross section and the $\mathrm{Z} \to 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(2):165, and PUBDB-2018-01837, CMS-SMP-16-017; CERN-EP-2017-219; arXiv:1709.08601.
doi: 10.1140/epjc/s10052-018-5567-9.

CMS Collaboration.
Measurements of $t\bar{t}$ cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $\sqrt{s}$ = 13 TeV $\sigma_{t\bar{t}b\bar{b}}$.
Physics letters / B, 776:355, and PUBDB-2017-13836, CMS-TOP-16-010; CERN-EP-2017-069; arXiv:1705.10141.
doi: 10.1016/j.physletb.2017.11.043.

CMS Collaboration.
Nuclear modification factor of D^0 mesons in PbPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV.
Physics letters / B, 782:474, and PUBDB-2018-02418, CMS-HIN-16-001; CERN-EP-2017-186; arXiv:1708.04962.
doi: 10.1016/j.physletb.2018.05.074.

CMS Collaboration.
Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and $\mathrm{p+Pb}$ Collisions at the LHC.
Physical review letters, 120(9):092301, and PUBDB-2018-01401, CMS-HIN-16-022; CERN-EP-2017-220; arXiv:1709.09189.
doi: 10.1103/PhysRevLett.120.092301.

CMS Collaboration.
Observation of electroweak production of same-sign W boson pairs in the two jet and two same-sign lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 120(8):081801, and PUBDB-2018-01822, CMS-SMP-17-004; CERN-EP-2017-232; arXiv:1709.05822.
doi: 10.1103/PhysRevLett.120.081801.

CMS Collaboration.
Observation of Higgs boson decay to bottom quarks.
Physical review letters, 121(12):121801, and PUBDB-2018-03636, arXiv:1808.08242; CMS-HIG-18-016; CERN-EP-2018-223.
doi: 10.1103/PhysRevLett.121.121801.

CMS Collaboration.
Observation of medium induced modifications of jet fragmentation in PbPb collisions using isolated-photon-tagged jets.
Physical review letters, 121(24):242301, and PUBDB-2018-05788, CMS-HIN-16-014; CERN-EP-2017-337; arXiv:1801.04895.
doi: 10.1103/PhysRevLett.121.242301.

CMS Collaboration.
Observation of the $\chi_{\mathrm{b1}}(3P)$ and $\chi_{\mathrm{b2}}(3P)$ and measurement of their masses.
Physical review letters, 121(9):092002, and PUBDB-2018-04429, arXiv:1805.11192; CMS-BPH-17-008; CERN-EP-2018-134.
doi: 10.1103/PhysRevLett.121.092002.

CMS Collaboration.
Observation of the Higgs boson decay to a pair of τ leptons with the CMS detector.
Physics letters / B, 779:283, and PUBDB-2018-01387, CMS-HIG-16-043; CERN-EP-2017-181; arXiv:1708.00373.
doi: 10.1016/j.physletb.2018.02.004.

CMS Collaboration.
Observation of the $\mathrm{Z} \to \psi\ell^+\ell^-$ decay in pp collisions at $\sqrt{s} =$ 13 TeV.
Physical review letters, 121(14):141801, and PUBDB-2018-04448, arXiv:1806.04213; CMS-BPH-16-001; CERN-EP-2018-131.
doi: 10.1103/PhysRevLett.121.141801.

CMS Collaboration.
Observation of $\mathrm{t\bar{t}H}$ production.
Physical review letters, 120(23):231801, and PUBDB-2018-02184, CMS-HIG-17-035; CERN-EP-2018-064; arXiv:1804.02610.
doi: 10.1103/PhysRevLett.120.231801.

CMS Collaboration.
Performance of reconstruction and identification of τ leptons decaying to hadrons and ν_τ in pp collisions at $\sqrt{s} = 13$ TeV.
Journal of Instrumentation, 13(10):P10005, and PUBDB-2018-04455, arXiv:1809.02816; CMS-TAU-16-003; CERN-EP-2018-229.
doi: 10.1088/1748-0221/13/10/P10005.

CMS Collaboration.
Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of Instrumentation, 13(06):P06015, and PUBDB-2018-04409, CMS-MUO-16-001; CERN-EP-2018-058; arXiv:1804.04528.
doi: 10.1088/1748-0221/13/06/P06015.

CMS Collaboration.
Precision measurement of the structure of the CMS inner tracking system using nuclear interactions.
Journal of Instrumentation, 13(10):P10034, and PUBDB-2018-04451, arXiv:1807.03289; CMS-TRK-17-001; CERN-EP-2018-144.
doi: 10.1088/1748-0221/13/10/P10034.

CMS Collaboration.
Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions.
Physical review / C covering nuclear physics, 98(4):044902, and PUBDB-2018-04198, CMS-HIN-15-008; CERN-EP-2017-218; arXiv:1710.07864.
doi: 10.1103/PhysRevC.98.044902.

CMS Collaboration.
Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ and 8.16 TeV.
Journal of high energy physics, 1801(01):045, and PUBDB-2018-01052, CMS-HIN-16-021; CERN-EP-2017-261; arXiv:1710.09355.
doi: 10.1007/JHEP01(2018)045.

CMS Collaboration.
Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Journal of high energy physics, 1811(11):115, and PUBDB-2018-05810, arXiv:1808.06575; CMS-HIG-16-030; CERN-EP-2018-121.
doi: 10.1007/JHEP11(2018)115.

CMS Collaboration.
Search for a heavy resonance decaying into a Z boson and a vector boson in the $\nu\bar{\nu}\mathrm{q}\bar{\mathrm{q}}$ final state.
Journal of high energy physics, 1807(07):075, and PUBDB-2018-04335, CMS-B2G-17-005; CERN-EP-2018-023; arXiv:1803.03838.
doi: 10.1007/JHEP07(2018)075.

CMS Collaboration.
Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell 2q$ final states at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1809(09):101, and PUBDB-2018-04417, arXiv:1803.10093; CMS-B2G-17-013; CERN-EP-2018-037.
doi: 10.1007/JHEP09(2018)101.

CMS Collaboration.
Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1805(05):088, and PUBDB-2018-04319, CMS-B2G-16-029; CERN-EP-2018-015; arXiv:1802.09407.
doi: 10.1007/JHEP05(2018)088.

CMS Collaboration.
Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1805(05):148, and PUBDB-2018-04414, CMS-EXO-17-011; CERN-EP-2018-028; arXiv:1803.11116.
doi: 10.1007/JHEP05(2018)148.

CMS Collaboration.
Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 781:244, and PUBDB-2018-01832, CMS-B2G-16-026; CERN-EP-2017-238; arXiv:1710.04960.
doi: 10.1016/j.physletb.2018.03.084.

CMS Collaboration.
Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):127, and PUBDB-2018-04410, CMS-HIG-17-012; CERN-EP-2018-009; arXiv:1804.01939.
doi: 10.1007/JHEP06(2018)127.

CMS Collaboration.
Search for a singly produced third-generation scalar leptoquark decaying to a τ lepton and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1807(07):115, and PUBDB-2018-04450, arXiv:1806.03472; CMS-EXO-17-029; CERN-EP-2018-136.
doi: 10.1007/JHEP07(2018)115.

CMS Collaboration.
Search for additional neutral MSSM Higgs bosons in the $\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1809(09):007, and PUBDB-2018-04341, CMS-HIG-17-020; CERN-EP-2018-026; arXiv:1803.06553.
doi: 10.1007/JHEP09(2018)007.

CMS Collaboration.
Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two τ leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):018, and PUBDB-2018-05798, arXiv:1805.04865; CMS-HIG-17-029; CERN-EP-2018-078.
doi: 10.1007/JHEP11(2018)018.

CMS Collaboration.
Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two τ leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 785:462, and PUBDB-2018-04438, arXiv:1805.10191; CMS-HIG-17-024; CERN-EP-2018-089.
doi: 10.1016/j.physletb.2018.08.057.

CMS Collaboration.
Search for beyond the standard model Higgs bosons decaying into a $\mathrm{b\bar{b}}$ pair in pp collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1808(08):113, and PUBDB-2018-04427, arXiv:1805.12191; CMS-HIG-16-018; CERN-EP-2018-124.
doi: 10.1007/JHEP08(2018)113.

CMS Collaboration.
Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):042, and PUBDB-2018-05797, CMS-EXO-17-023; CERN-EP-2018-093; arXiv:1805.06013.
doi: 10.1007/JHEP11(2018)042.

CMS Collaboration.
Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):027, and PUBDB-2018-04314, CMS-EXO-16-051; CERN-EP-2017-299; arXiv:1801.08427.
doi: 10.1007/JHEP06(2018)027.

CMS Collaboration.
Search for dark matter produced in association with a Higgs boson decaying to $\gamma\gamma$ or $\tau^+\tau^-$ at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1809(09):046, and PUBDB-2018-04447, arXiv:1806.04771; CMS-EXO-16-055; CERN-EP-2018-129.
doi: 10.1007/JHEP09(2018)046.

CMS Collaboration.
Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1805(05):127, and PUBDB-2018-02433, CMS-EXO-16-004; CERN-EP-2017-330; arXiv:1801.00359.
doi: 10.1007/JHEP05(2018)127.

CMS Collaboration.
Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1808(08):016, and PUBDB-2018-04404, arXiv:1804.07321; CMS-EXO-16-044; CERN-EP-2018-061.
doi: 10.1007/JHEP08(2018)016.

CMS Collaboration.
Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} =$ 13 TeV.
Journal of high energy physics, 1803(03):166, and PUBDB-2018-02422, CMS-SUS-16-039; CERN-EP-2017-121; arXiv:1709.05406.
doi: 10.1007/JHEP03(2018)166.

CMS Collaboration.
Search for excited states of light and heavy flavor quarks in the γ+jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 781:390, and PUBDB-2018-01842, CMS-EXO-17-002; CERN-EP-2017-271; arXiv:1711.04652.
doi: 10.1016/j.physletb.2018.04.007.

CMS Collaboration.
Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 780:118, and PUBDB-2018-01841, CMS-SUS-16-046; CERN-EP-2017-284; arXiv:1711.08008.
doi: 10.1016/j.physletb.2018.02.045.

CMS Collaboration.
Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 120(22):221801, and PUBDB-2018-04324, CMS-EXO-17-012; CERN-EP-2018-006; arXiv:1802.02965.
doi: 10.1103/PhysRevLett.120.221801.

CMS Collaboration.
Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):172, and PUBDB-2019-00555, arXiv:1807.02826; CMS-B2G-17-004; CERN-EP-2018-169.
doi: 10.1007/JHEP11(2018)172.

CMS Collaboration.
Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton–proton collisions at 13 TeV.
Physics letters / B, 777:39, and PUBDB-2017-13856, CMS-B2G-17-010; CERN-EP-2017-196; arXiv:1708.08539.
doi: 10.1016/j.physletb.2017.12.006.

CMS Collaboration.
Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton–proton collisions at $\sqrt{s}$ =13TeV.
Physics letters / B, 778:101, and PUBDB-2018-01388, CMS-HIG-17-002; CERN-EP-2017-126; arXiv:1707.02909.
doi: 10.1016/j.physletb.2018.01.001.

CMS Collaboration.
Search for Higgsino pair production in pp collisions at $\sqrt{s}$ = 13 TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H \to b\bar{b}$.
Physical review / D, D97(3):032007, and PUBDB-2018-01398, CMS-SUS-16-044; CERN-EP-2017-127; arXiv:1709.04896.
doi: 10.1103/PhysRevD.97.032007.

CMS Collaboration.
Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):120, and PUBDB-2018-04342, CMS-EXO-16-047; CERN-EP-2018-027; arXiv:1803.06292.
doi: 10.1007/JHEP06(2018)120.

CMS Collaboration.
Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):128, and PUBDB-2018-04413, CMS-EXO-16-033; CERN-EP-2018-020; arXiv:1803.11133.
doi: 10.1007/JHEP06(2018)128.

CMS Collaboration.
Search for lepton flavour violating decays of the Higgs boson to $\mu\tau$ and eτ in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):001, and PUBDB-2018-05780, CMS-HIG-17-001; CERN-EP-2017-292; arXiv:1712.07173.
doi: 10.1007/JHEP06(2018)001.

CMS Collaboration.
Search for lepton-flavor violating decays of heavy resonances and quantum black holes to eμ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1804(04):073, and PUBDB-2018-04338, CMS-EXO-16-058; CERN-EP-2018-001; arXiv:1802.01122.
doi: 10.1007/JHEP04(2018)073.

CMS Collaboration.
Search for leptoquarks coupled to third-generation quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 121(24):241802, and PUBDB-2018-05804, arXiv:1809.05558; CMS-B2G-16-027; CERN-EP-2018-233.
doi: 10.1103/PhysRevLett.121.241802.

CMS Collaboration.
Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}$ =13 TeV.
Physical review / D D, 98(9):092011, and PUBDB-2018-05792, arXiv:1808.03078; CMS-EXO-17-018; CERN-EP-2018-203.
doi: 10.1103/PhysRevD.98.092011.

CMS Collaboration.
Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1801(1):97, and PUBDB-2018-01404, CMS-EXO-17-001; CERN-EP-2017-235; arXiv:1710.00159.
doi: 10.1007/JHEP01(2018)097.

CMS Collaboration.
Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at $\sqrt{s} = 13$ TeV.
Physical review / D, 97(7):072006, and PUBDB-2018-01815, CMS-B2G-17-001; CERN-EP-2017-184; arXiv:1708.05379.
doi: 10.1103/PhysRevD.97.072006.

CMS Collaboration.
Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter mediators and other new particles.
Journal of high energy physics, 1808(08):130, and PUBDB-2018-04426, CMS-EXO-16-056; CERN-EP-2018-123; arXiv:1806.00843.
doi: 10.1007/JHEP08(2018)130.

CMS Collaboration.
Search for narrow resonances in the b-tagged dijet mass spectrum in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Physical review letters, 120(20):201801, and PUBDB-2018-04323, CMS-EXO-16-057; CERN-EP-2018-007; arXiv:1802.06149.
doi: 10.1103/PhysRevLett.120.201801.

CMS Collaboration.
Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum.
Journal of high energy physics, 1805(05):025, and PUBDB-2018-04326, CMS-SUS-16-038; CERN-EP-2018-003; arXiv:1802.02110.
doi: 10.1007/JHEP05(2018)025.

CMS Collaboration.
Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV.
Journal of high energy physics, 1803(03):167, and PUBDB-2018-02416, CMS-SUS-15-009; CERN-EP-2017-124; arXiv:1707.03325.
doi: 10.1007/JHEP03(2018)167.

CMS Collaboration.
Search for new long-lived particles at $\sqrt{s} = 13$ TeV.
Physics letters / B, 780:432, and PUBDB-2018-01840, CMS-EXO-16-003; CERN-EP-2017-264; arXiv:1711.09120.
doi: 10.1016/j.physletb.2018.03.019.

CMS Collaboration.
Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1803(03):076, and PUBDB-2018-01836, CMS-SUS-16-034; CERN-EP-2017-170; arXiv:1709.08908.
doi: 10.1007/s13130-018-7845-2.

CMS Collaboration.
Search for new physics in dijet angular distributions using proton–proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models.
The European physical journal / C, 78(9):789, and PUBDB-2018-04327, arXiv:1803.08030; CMS-EXO-16-046; CERN-EP-2018-036.
doi: 10.1140/epjc/s10052-018-6242-x.

CMS Collaboration.
Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton–proton collisions at $\sqrt{s}$ = 13 TeV.
The European physical journal / C, 78(4):291, and PUBDB-2018-01826, CMS-EXO-16-052; CERN-EP-2017-259; FERMILAB-PUB-17-534-CMS; arXiv:1711.00431.
doi: 10.1140/epjc/s10052-018-5740-1.

CMS Collaboration.
Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 782:440, and PUBDB-2019-00404, CERN-EP-2017-336; CMS-SUS-16-048; arXiv:1801.01846.
doi: 10.1016/j.physletb.2018.05.062.

CMS Collaboration.
Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $\sqrt{s} = 13$ TeV.
Physical review / D, 97(9):092005, and PUBDB-2018-02432, CMS-EXO-16-048; CERN-EP-2017-294; arXiv:1712.02345.
doi: 10.1103/PhysRevD.97.092005.

CMS Collaboration.
Search for pair production of excited top quarks in the lepton + jets final state.
Physics letters / B, B778:349, and PUBDB-2018-01414, CMS-B2G-16-025; CERN-EP-2017-272; arXiv:1711.10949.
doi: 10.1016/j.physletb.2018.01.049.

CMS Collaboration.
Search for pair production of vector-like quarks in the bW$\bar{\text{b}}$W channel from proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, B779:82, and PUBDB-2018-01407, CMS-B2G-17-003; CERN-EP-2017-224; arXiv:1710.01539.
doi: 10.1016/j.physletb.2018.01.077.

CMS Collaboration.
Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physical review / D, 98(11):112014, and PUBDB-2019-00549, arXiv:1808.03124; CMS-EXO-17-021; CERN-EP-2018-211.
doi: 10.1103/PhysRevD.98.112014.

CMS Collaboration.
Search for pair-produced resonances each decaying into at least four quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 121(14):141802, and PUBDB-2018-04421, CMS-EXO-17-022; CERN-EP-2018-094; arXiv:1806.01058.
doi: 10.1103/PhysRevLett.121.141802.

CMS Collaboration.
Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV.
Physical review letters, 120(24):241801, and PUBDB-2019-00818, CMS-SUS-17-006; CERN-EP-2017-322; arXiv:1712.08501.
doi: 10.1103/PhysRevLett.120.241801.

CMS Collaboration.
Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physical review / D, 98(9):092001, and PUBDB-2018-04456, arXiv:1809.00327; CMS-EXO-17-017; CERN-EP-2018-219.
doi: 10.1103/PhysRevD.98.092001.

CMS Collaboration.
Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV.
Journal of high energy physics, 2018(11):161, and PUBDB-2018-05795, arXiv:1808.01890; CMS-HIG-16-017; CERN-EP-2018-204.
doi: 10.1007/JHEP11(2018)161.

CMS Collaboration.
Search for resonant and nonresonant Higgs boson pair production in the $\text{b}\bar{\text{b}}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1801(01):054, and PUBDB-2018-01395, CMS-HIG-17-006; CERN-EP-2017-168; arXiv:1708.04188.
doi: 10.1007/JHEP01(2018)054.

CMS Collaboration.
Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV.
Journal of high energy physics, 1808(08):152, and PUBDB-2018-04449, CMS-HIG-17-009; CERN-EP-2018-127; arXiv:1806.03548.
doi: 10.1007/JHEP08(2018)152.

CMS Collaboration.
Search for R-parity violating supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses.
Physics letters / B, 783:114, and PUBDB-2018-02435, CMS-SUS-16-040; CERN-EP-2017-312; arXiv:1712.08920.
doi: 10.1016/j.physletb.2018.06.028.

CMS Collaboration.
Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s}$ = 13 TeV.
Physics letters / B, 781:574, and PUBDB-2018-02421, CMS-B2G-17-007; CERN-EP-2017-155; arXiv:1708.01062.
doi: 10.1016/j.physletb.2018.04.036.

CMS Collaboration.
Search for single production of vector-like quarks decaying to a b quark and a Higgs boson.
Journal of high energy physics, 1806(06):031, and PUBDB-2018-04337, CMS-B2G-17-009; CERN-EP-2017-338; arXiv:1802.01486.
doi: 10.1007/JHEP06(2018)031.

CMS Collaboration.
Search for standard model production of four top quarks with same-sign and multilepton final states in proton–proton collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, C78(2):140, and PUBDB-2018-01410, CMS-TOP-17-009; CERN-EP-2017-262; arXiv:1710.10614.
doi: 10.1140/epjc/s10052-018-5607-5.

CMS Collaboration.
Search for supersymmetry in events with a τ lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):151, and PUBDB-2018-05803, arXiv:1807.02048; CMS-SUS-17-003; CERN-EP-2018-149.
doi: 10.1007/JHEP11(2018)151.

CMS Collaboration.
Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1802(2):67, and PUBDB-2018-01409, CMS-SUS-16-041; CERN-EP-2017-243; arXiv:1710.09154.
doi: 10.1007/JHEP02(2018)067.

CMS Collaboration.
Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Physics letters / B, 780:384, and PUBDB-2018-01834, CMS-SUS-16-042; CERN-EP-2017-201; arXiv:1709.09814.
doi: 10.1016/j.physletb.2018.03.028.

CMS Collaboration.
Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks.
Physical review / D, 97(1):012007, and PUBDB-2019-00797, CMS-SUS-16-050; CERN-EP-2017-269; arXiv:1710.11188.
doi: 10.1103/PhysRevD.97.012007.

CMS Collaboration.
Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s} = 13$ TeV.
Physics letters / B, 779:166, and PUBDB-2018-01051, CMS-SUS-16-045; CERN-EP-2017-158; arXiv:1709.00384.
doi: 10.1016/j.physletb.2017.12.069.

CMS Collaboration.
Search for the decay of a Higgs boson in the $\ell\ell\gamma$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):152, and PUBDB-2018-05794, arXiv:1806.05996; CMS-HIG-17-007; CERN-EP-2018-092.
doi: 10.1007/JHEP11(2018)152.

CMS Collaboration.
Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):102, and PUBDB-2018-04204, CMS-TOP-17-003; CERN-EP-2017-309; arXiv:1712.02399.
doi: 10.1007/JHEP06(2018)102.

CMS Collaboration.
Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton–proton collisions at $\sqrt{s}$ = 13 TeV.
Physics letters / B, 778:263, and PUBDB-2018-01393, CMS-SUS-16-032; CERN-EP-2017-144; arXiv:1707.07274.
doi: 10.1016/j.physletb.2018.01.012.

CMS Collaboration.
Search for the X(5568) state decaying into $\mathrm{B}_\mathrm{s}^0\pi^\pm$ in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Physical review letters, 120(20):202005, and PUBDB-2018-02431, CMS-BPH-16-002; CERN-EP-2017-287; arXiv:1712.06144.
doi: 10.1103/PhysRevLett.120.202005.

CMS Collaboration.
Search for third-generation scalar leptoquarks decaying to a top quark and a τ lepton at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 78(9):707, and PUBDB-2018-04336, arXiv:1803.02864; CMS-B2G-16-028; CERN-EP-2018-019.
doi: 10.1140/epjc/s10052-018-6143-z.

CMS Collaboration.
Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV.
Physical review / D, D97(3):032009, and PUBDB-2018-01412, CMS-SUS-17-001; CERN-EP-2017-252; arXiv:1711.00752.
doi: 10.1103/PhysRevD.97.032009.

CMS Collaboration.
Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1809(09):065, and PUBDB-2018-04440, arXiv:1805.05784; CMS-SUS-17-005; CERN-EP-2018-079.
doi: 10.1007/JHEP09(2018)065.

CMS Collaboration.
Search for $\mathrm{t\bar{t}}H$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1806(06):101, and PUBDB-2018-04328, CMS-HIG-17-022; CERN-EP-2018-038; arXiv:1803.06986.
doi: 10.1007/JHEP06(2018)101.

CMS Collaboration.
Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}$ =8 TeV.
Physical review / D, 97(7):072008, and PUBDB-2018-01817, CMS-B2G-12-016; CERN-EP-2017-145; arXiv:1708.02510.
doi: 10.1103/PhysRevD.97.072008.

CMS Collaboration.
Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}$ =8 TeV.
Physical review / D, 97(7):072008, and PUBDB-2018-01818, CMS-B2G-12-016; CERN-EP-2017-145; arXiv:1708.02510.
doi: 10.1103/PhysRevD.97.072008.

CMS Collaboration.
Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1808(08):177, and PUBDB-2018-04442, arXiv:1805.04758; CMS-B2G-17-011; CERN-EP-2018-069; FERMILAB-PUB-18-191-CMS.
doi: 10.1007/JHEP08(2018)177.

CMS Collaboration.
Search for $\mathrm{Z}\gamma$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1809(09):148, and PUBDB-2018-04202, arXiv:1712.03143; CMS-EXO-17-005; CERN-EP-2017-301.
doi: 10.1007/JHEP09(2018)148.

CMS Collaboration.
Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1811(11):079, and PUBDB-2018-05799, arXiv:1807.07799; CMS-SUS-17-010; CERN-EP-2018-186.
doi: 10.1007/JHEP11(2018)079.

CMS Collaboration.
Studies of $\mathrm{B}^{*\mathrm{s}2}(5840)^0$ and $\mathrm{B}_{\mathrm{s}1}(5830)^0$ mesons including the observation of the $\mathrm{B}^{*\mathrm{s}2}(5840)^0 \to \mathrm{B}^0\mathrm{K}_\mathrm{S}^0$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV.
The European physical journal / C, 78(11):939, and PUBDB-2018-05807, arXiv:1809.03578; CMS-BPH-16-003; CERN-

EP-2018-224.
doi: 10.1140/epjc/s10052-018-6390-z.

CMS Collaboration.
Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7$ TeV.
The European physical journal / C, 78(3):242, and PUBDB-2018-01833, CMS-FSQ-12-001; CERN-EP-2017-141; arXiv:1710.02586.
doi: 10.1140/epjc/s10052-018-5691-6.

CMS Collaboration.
Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV.
Physics letters / B, 785:14, and PUBDB-2018-04206, arXiv:1711.09738; CMS-HIN-16-002; CERN-EP-2017-285.
doi: 10.1016/j.physletb.2018.07.061.

CMS Collaboration.
Suppression of Excited Υ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}$ = 5.02 TeV.
Physical review letters, 120(14):142301, and PUBDB-2018-01813, CMS-HIN-16-008; CERN-EP-2017-080; arXiv:1706.05984.
doi: 10.1103/PhysRevLett.120.142301.

CMS Collaboration and TOTEM Collaboration.
Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer.
Journal of high energy physics, 1807(07):153, and PUBDB-2018-04332, CMS-PPS-17-001; TOTEM-2018-001; CERN-EP-2018-014; arXiv:1803.04496.
doi: 10.1007/JHEP07(2018)153.

A. M. Cooper-Sarkar and K. Wichmann.
QCD analysis of the ATLAS and CMS $W^{\pm}$ and Z cross-section measurements and implications for the strange sea density.
Physical review / D D, 98(1):014027, and PUBDB-2018-02726, arXiv:1803.00968; DESY-18-021.
doi: 10.1103/PhysRevD.98.014027.

M. Cornagliotto, M. Lemos and P. Liendo.
Bootstrapping the $(\mathrm{A}_1, \mathrm{A}_2)$ Argyres-Douglas theory.
Journal of high energy physics, 1803(3):033, and PUBDB-2018-01589, DESY-17-175; arXiv:1711.00016.
doi: 10.1007/JHEP03(2018)033.

J. C. Costa et al.
Likelihood analysis of the sub-GUT MSSM in light of LHC 13-TeV data.
The European physical journal / C, 78(2):158, and PUBDB-2018-01411, KCL-PH-TH-2017-45; CERN-PH-TH-2017-197; DESY-17-156; –IFT-UAM-CSIC-17-089; FTPI-MINN-17-19; UMN-TH-3703-17; arXiv:1711.00458.
doi: 10.1140/epjc/s10052-018-5633-3.

Y. Cui et al.
Cosmic archaeology with gravitational waves from cosmic strings.
Physical review / D, 97(12):123505, and PUBDB-2019-00834, KCL-PH-TH-2017-51; arXiv:1711.03104.
doi: 10.1103/PhysRevD.97.123505.

D0 Collaboration.
Evidence for $Z_c^{\pm}(3900)$ in semi-inclusive decays of b-flavored hadrons.
Physical review / D, 98(5):052010, and PUBDB-2019-00761, arXiv:1807.00183; FERMILAB-PUB-18-303-E.
doi: 10.1103/PhysRevD.98.052010.

D0 Collaboration.
Measurement of the Effective Weak Mixing Angle in $p\bar{p} \to Z/\gamma^* \to \ell^+\ell^-$ Events.
Physical review letters, 120(24):241802, and PUBDB-2018-03214, FERMILAB-PUB-17-434-E; arXiv:1710.03951.
doi: 10.1103/PhysRevLett.120.241802.

M. Dalla Brida et al.
A non-perturbative exploration of the high energy regime in $N_{\mathrm{f}} = 3$ QCD.
The European physical journal / C, 78(5):372, and PUBDB-2018-02633, CERN-TH-2018-060, DESY 18-044, WUB/18-01, arXiv:1803.10230.
doi: 10.1140/epjc/s10052-018-5838-5.

C. David.
A new strips tracker for the upgraded ATLAS ITk detector.
Journal of Instrumentation, 13:C01003, and PUBDB-2018-00268.
doi: 10.1088/1748-0221/13/01/C01003.

V. Del Duca et al.
The seven-gluon amplitude in multi-Regge kinematics beyond leading logarithmic accuracy.
Journal of high energy physics, 1806(06):116, and PUBDB-2018-03272, DESY-18-009; CERN-TH-2018-016, CP3-18-06; SLAC-PUB-17220; arXiv:1801.10605.
doi: 10.1007/JHEP06(2018)116.

D. Dercks et al.
The fate of the littlest Higgs model with T-parity under 13 TeV LHC data.
Journal of high energy physics, 1805(05):049, and PUBDB-2018-02256, DESY-17-192; arXiv:1801.06499.
doi: 10.1007/JHEP05(2018)049.

L. Di Luzio, A. Ringwald and C. Tamarit.
Axion mass prediction from minimal grand unification.
Physical review / D, 98(9):095011, and PUBDB-2018-04459, DESY-18-127; IPPP-18-62; TUM-HEP-1152-18; arXiv:1807.09769.
doi: 10.1103/PhysRevD.98.095011.

S. Di Vita et al.
A global view on the Higgs self-coupling at lepton colliders.
Journal of high energy physics, 2018(2):178, and PUBDB-2018-01406, DESY-17-131; FERMILAB-PUB-17-462-T; arXiv:1711.03978.
doi: 10.1007/JHEP02(2018)178.

M. Dias, J. Frazer and M. C. D. Marsh.
Seven lessons from manyfield inflation in random potentials.
Journal of cosmology and astroparticle physics, 1801(01):036, and PUBDB-2018-00920, DESY-17-082; arXiv:1706.03774.
doi: 10.1088/1475-7516/2018/01/036.

J. L. Diaz-Cruz, W. Hollik and U. J. Saldana-Salazar.
A bottom-up approach to the strong CP problem.
International journal of modern physics / A, 33(14n15):1850088, and PUBDB-2018-02253, DESY-16-084; arXiv:1605.03860.
doi: 10.1142/S0217751X18500884.

V. Domcke and K. Mukaida.
Gauge field and fermion production during axion inflation.
Journal of cosmology and astroparticle physics, 1811(11):020, and PUBDB-2018-05009, DESY-18-098; arXiv:1806.08769.
doi: 10.1088/1475-7516/2018/11/020.

V. Domcke and K. Schmitz.
Inflation from high-scale supersymmetry breaking.
Physical review / D, 97(11):115025, and PUBDB-2018-03269, DESY-17-223; arXiv:1712.08121.
doi: 10.1103/PhysRevD.97.115025.

F. Domingo et al.
Decays of the neutral Higgs bosons into SM fermions and gauge bosons in the $\mathscr{CP}$-violating NMSSM.
The European physical journal / C, 78(11):942, and PUBDB-2018-05007, arXiv:1807.06322; DESY-18-084; IFT-UAM/CSIC-17-125.
doi: 10.1140/epjc/s10052-018-6400-1.

M. Duerr, K. Schmidt-Hoberg and J. Unwin.
Protecting the axion with local baryon number.
Physics letters / B, 780:553, and PUBDB-2018-01663, DESY-17-210; arXiv:1712.01841.
doi: 10.1016/j.physletb.2018.03.054.

M. Duerr, K. Schmidt-Hoberg and S. Wild.
Self-interacting dark matter with a stable vector mediator.
Journal of cosmology and astroparticle physics, 1809(09):033, and PUBDB-2018-03903, DESY-18-051; arXiv:1804.10385.
doi: 10.1088/1475-7516/2018/09/033.

G. Durieux and O. Matsedonskyi.
The top-quark window on compositeness at future lepton collider.
Journal of high energy physics, 1901(01):072, and PUBDB-2019-00478, DESY-18-114; arXiv:1807.10273.
doi: 10.1007/JHEP01(2019)072.

G. Durieux et al.
Global and optimal probes for the top-quark effective field theory at future lepton colliders.
Journal of high energy physics, 1810(10):168, and PUBDB-2018-04520, DESY-18-096; IFIC-18-27; arXiv:1807.02121.
doi: 10.1007/JHEP10(2018)168.

G. Durieux et al.
Probing top-quark couplings indirectly at Higgs factories.
Chinese physics / C High energy physics and nuclear physics C, 42(12):123107, and PUBDB-2018-05016, DESY-18-142; CERN-TH-2018-193; MITP-18-081; arXiv:1809.03520.
doi: 10.1088/1674-1137/42/12/123107.

e-ASTROGAM Collaboration.
Science with e-ASTROGAM: A space mission for MeV–GeV gamma-ray astrophysics.
Journal of high energy astrophysics, 19:1, and PUBDB-2018-03988, arXiv:1711.01265.
doi: 10.1016/j.jheap.2018.07.001.

M. A. Ebert et al.
Power Corrections for N-Jettiness Subtractions at $\mathcal{O}(\alpha_s)$.
Journal of high energy physics, 1812(12):084, and PUBDB-2019-00043, DESY-18-120; MIT-CTP-5007; arXiv:1807.10764.
doi: 10.1007/JHEP12(2018)084.

A. S. M. Elshoukrofy et al.
Application of New Approximations of the Lateral Distribution of EAS Cherenkov Light in the Atmosphere.
Physics of atomic nuclei, 81(9):1294, and PUBDB-2019-01903.
doi: 10.1134/S1063778818090090.

A. Ernst, A. Ringwald and C. Tamarit.
Axion predictions in $\mathrm{SO}(10)\times\mathrm{U}(1)_{\mathrm{PQ}}$ models.
Journal of high energy physics, 1802(02):103, and PUBDB-2018-01323, DESY-17-213; arXiv:1801.04906.
doi: 10.1007/JHEP02(2018)103.

J. R. Espinosa and T. Konstandin.
A fresh look at the calculation of tunneling actions in multi-field potentials.
Journal of cosmology and astroparticle physics, 1901(01):051, and PUBDB-2019-00951, arXiv:1811.09185; DESY-18-206; CERN-TH-2018-245.
doi: 10.1088/1475-7516/2019/01/051.

J. R. Espinosa and T. Konstandin.
Resummation of Goldstone infrared divergences: A proof to all orders.
Physical review / D, 97(5):056020, and PUBDB-2018-01684, DESY-17-226; arXiv:1712.08068.
doi: 10.1103/PhysRevD.97.056020.

ETM Collaboration.
Pion vector form factor from lattice QCD at the physical point.
Physical review / D, 97(1):014508, and PUBDB-2018-01167.
doi: 10.1103/PhysRevD.97.014508.

Fermi-LAT Collaboration.
A γ-ray determination of the Universe's star-formation history.
Science, 362(6418):1031, and PUBDB-2019-00103, arXiv:1812.01031.
doi: 10.1126/science.aat8123.

Fermi-LAT Collaboration.
Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar.
Science advances, 4(2):eaao7228, and PUBDB-2019-00107, arXiv:1803.06855.
doi: 10.1126/sciadv.aao7228.

Fermi-LAT Collaboration.
Search for Gamma-Ray Emission from Local Primordial Black Holes with the Fermi Large Area Telescope.
The astrophysical journal / 1, 857(1):49, and PUBDB-2019-00116, arXiv:1802.00100.
doi: 10.3847/1538-4357/aaac7b.

Fermi-LAT Collaboration.
Unresolved Gamma-Ray Sky through its Angular Power Spectrum.
Physical review letters, 121(24):241101, and PUBDB-2019-00033, arXiv:1812.02079.
doi: 10.1103/PhysRevLett.121.241101.

Fermi-Lat Collaboration.
Erratum: "Search for Gamma-Ray Emission from the Coma Cluster with Six Years of Fermi -LAT Data" (2016, ApJ, 819, 149.
The astrophysical journal / 1, 860(1):85, and PUBDB-2019-00146, arXiv:1507.08995.
doi: 10.3847/1538-4357/aac7c3.

P. M. Ferreira, S. Liebler and J. Wittbrodt.
Wrong or right: $pp \to A \to Zh$ and the sign of the Two-Higgs-Doublet Model.
Physical review / D, 97(5):055008, and PUBDB-2018-01673, DESY-17-173; KA-TP-34-2017; arXiv:1711.00024.
doi: 10.1103/PhysRevD.97.055008.

N. Fonseca, E. Morgante and G. Servant.
Higgs relaxation after inflation.
Journal of high energy physics, 1810(10):020, and PUBDB-2018-03908, DESY-18-069; arXiv:1805.04543.
doi: 10.1007/JHEP10(2018)020.

N. Fonseca et al.
A warped relaxion.
Journal of high energy physics, 1807(07):033, and PUBDB-2019-00843, arXiv:1712.07635; DESY-17-103.
doi: 10.1007/JHEP07(2018)033.

D. Fontes et al.
The C2HDM revisited.
Journal of high energy physics, 1802(02):073, and PUBDB-2018-01680, DESY-17-207; CFTP-17-008; KA-TP-40-2017; arXiv:1711.09419.
doi: 10.1007/JHEP02(2018)073.

E. Fuchs and G. Weiglein.
Impact of $\mathcal{CP}$violating interference effects on MSSM Higgs searches.
The European physical journal / C, 78(2):87, and PUBDB-2018-01391, DESY-17-022; arXiv:1705.05757.
doi: 10.1140/epjc/s10052-018-5543-4.

A. Gallo Rosso et al.
Introduction to neutrino astronomy.
The European physical journal / Plus, 133(7):267, and PUBDB-2018-03349, arXiv:1806.06339.
doi: 10.1140/epjp/i2018-12143-6.

M. García Pérez et al.
The spectrum of 2+1 dimensional Yang-Mills theory on a twisted spatial torus.
Journal of high energy physics, 1807(07):169, and PUBDB-2018-02755, DESY-18-108; FTUAM-18-19; IFT-UAM-CSIC-18-71; HUPD-1804; arXiv:1807.03481.
doi: 10.1007/JHEP07(2018)169.

M. Garny and T. Konstandin.
Gravitational collapse in the Schrödinger-Poisson system.
Journal of cosmology and astroparticle physics, 2018(01):009, and PUBDB-2018-01413, DESY-17-162.
doi: 10.1088/1475-7516/2018/01/009.

M. Garny et al.
Lyman-α forest constraints on interacting dark sectors.
Journal of cosmology and astroparticle physics, 1809(09):011, and PUBDB-2018-03667, DESY-18-081; TUM-HEP-1141-18; arXiv:1805.12203.
doi: 10.1088/1475-7516/2018/09/011.

M. Garny et al.
Top-philic dark matter within and beyond the WIMP paradigm.
Physical review / D, 97(7):075002, and PUBDB-2018-02260, DESY-18-018; TUM-HEP 1131-18; TTK-18-05; arXiv:1802.00814.
doi: 10.1103/PhysRevD.97.075002.

A. Gérardin et al.
Hadronic light-by-light scattering amplitudes from lattice QCD versus dispersive sum rules.
Physical review / D D, 98(7):074501, and PUBDB-2018-04147, MITP-17-088; DESY-17-202; arXiv:1712.00421.
doi: 10.1103/PhysRevD.98.074501.

J. Gomes et al.
Enabling rootless Linux Containers in multi-user environments: The udocker tool.
Computer physics communications, 232:84, and PUBDB-2018-03257, DESY-17-096; arXiv:1711.01758.
doi: 10.1016/j.cpc.2018.05.021.

S. Gori et al.
Heavy Higgs Searches: Flavour Matters.
Journal of high energy physics, 1801(01):108, and PUBDB-2018-01397, DESY-17-103; arXiv:1710.03752.
doi: 10.1007/JHEP01(2018)108.

J. Green, K. Jansen and F. Steffens.
Nonperturbative Renormalization of Nonlocal Quark Bilinears for Parton Quasidistribution Functions on the Lattice Using an Auxiliary Field.
Physical review letters, 121(2):022004, and PUBDB-2019-00034, DESY-17-109; arXiv:1707.07152.
doi: 10.1103/PhysRevLett.121.022004.

C. Grojean et al.
Implications of an Improved Neutron-Antineutron Oscillation Search for Baryogenesis: A Minimal Effective Theory Analysis.
Physical review letters, 121(17):171801, and PUBDB-2018-04994, DESY-18-062; LCTP-18-14; arXiv:1806.00011.
doi: 10.1103/PhysRevLett.121.171801.

J. Gschwend et al.
DES science portal: Computing photometric redshifts.
Astronomy and computing, 25:58, and PUBDB-2018-03718.
doi: 10.1016/j.ascom.2018.08.008.

J. Gu and Y.-Y. Li.
Optimizing Higgs factories by modifying the recoil mass.
Chinese physics / C, 42(3):033102, and PUBDB-2018-01405, DESY-17-129; arXiv:1709.08645.
doi: 10.1088/1674-1137/42/3/033102.

P. Gunnellini, H. Jung and R. Maharucksit.
Investigation of the energy dependence of the p_{T0} parameter in the Pythia 8 Monte Carlo event generator.
The European physical journal / C, 78(6):521, and PUBDB-2018-02513, DESY-18-003; arXiv:1801.02536.
doi: 10.1140/epjc/s10052-018-6004-9.

H. E. S. S. Collaboration.
A search for new supernova remnant shells in the Galactic plane with H.E.S.S.
Astronomy and astrophysics, 612:A8, and PUBDB-2018-01824, arXiv:1801.06020.
doi: 10.1051/0004-6361/201730737.

H1 Collaboration.
Determination of electroweak parameters in polarised deep-inelastic scattering at HERA.
The European physical journal / C, 78(9):777, and PUBDB-2018-04547, arXiv:1806.01176; DESY-18-080.
doi: 10.1140/epjc/s10052-018-6236-8.

H1 Collaboration and ZEUS Collaboration.
Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA.
The European physical journal / C, 78(6):473, and PUBDB-2018-02351, DESY-18-037; arXiv:1804.01019.
doi: 10.1140/epjc/s10052-018-5848-3.

J. Haller et al.
Update of the global electroweak fit and constraints on two-Higgs-doublet models.
The European physical journal / C, 78(8):675, and PUBDB-2019-00109.
doi: 10.1140/epjc/s10052-018-6131-3.

S. Hamdan and J. Unwin.
Dark Matter Freeze-out During Matter Domination.
Modern physics letters / A, 33(29):1850181, and PUBDB-2019-00753, arXiv:1710.03758.
doi: 10.1142/S021773231850181X.

B. von Harling and G. Servant.
QCD-induced electroweak phase transition.
Journal of high energy physics, 1801(01):159, and PUBDB-2018-01392, DESY-17-056; arXiv:1711.11554.
doi: 10.1007/JHEP01(2018)159.

N. Hasan et al.
Computing the nucleon charge and axial radii directly at $\mathrm{Q}^2 = 0$ in lattice QCD.
Physical review / D, 97(3):034504, and PUBDB-2018-01164, arXiv:1711.11385; DESY-17-203.
doi: 10.1103/PhysRevD.97.034504.

D. Hasell and U. Schneekloth.
The OLYMPUS Experiment at DESY.
Nuclear physics news, 28(1):20, and PUBDB-2018-05833.
doi: 10.1080/10619127.2017.1388702.

M. Hasenbusch and S. Schaefer.
Testing the event-chain algorithm in asymptotically free models.
Physical review / D, 98(5):054502, and PUBDB-2018-03417, arXiv:1806.11460.
doi: 10.1103/PhysRevD.98.054502.

F. Hautmann et al.
Collinear and TMD Quark and Gluon Densities from Parton Branching Solution of QCD Evolution Equations.
Journal of high energy physics, 1801(01):070, and PUBDB-2018-00906, arXiv:1708.03279; DESY-17-118.
doi: 10.1007/JHEP01(2018)070.

S. I. Manaenkov.
Extraction of helicity amplitude ratios from exclusive ρ^0-meson electroproduction on transversely polarized protons.
XVII Workshop on High Energy Spin Physics, Dubna (Russia), 11 Sep 2017 - 15 Sep 2017.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/938/1/012009.

HESS Collaboration.
Deeper H.E.S.S. observations of Vela Junior (RX J0852.0−4622): Morphology studies and resolved spectroscopy.
Astronomy and astrophysics, 612:A7, and PUBDB-2019-00149, arXiv:1611.01863.
doi: 10.1051/0004-6361/201630002.

H.E.S.S. Collaboration.
Detection of variable VHE γ-ray emission from the extragalactic γ-ray binary LMC P3.
Astronomy and astrophysics, 610:L17, and PUBDB-2018-01457.
doi: 10.1051/0004-6361/201732426.

HESS Collaboration.
First ground-based measurement of sub-20 GeV to 100 GeV γ-Rays from the Vela pulsar with H.E.S.S. II.
Astronomy and astrophysics, 620:A66, and PUBDB-2018-05469.
doi: 10.1051/0004-6361/201732153.

HESS Collaboration.
H.E.S.S. discovery of very high energy γ-ray emission from PKS 0625-354.
Monthly notices of the Royal Astronomical Society, 476(3):4187, and PUBDB-2018-01567, arXiv:1802.07611.
doi: 10.1093/mnras/sty439.

HESS Collaboration.
HESS J1741−302: a hidden accelerator in the Galactic plane.
Astronomy and astrophysics, 612:A13, and PUBDB-2018-02025, arXiv:1711.01350.
doi: 10.1051/0004-6361/201730581.

HESS Collaboration.
H.E.S.S. observations of RX J1713.7−3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell.
Astronomy and astrophysics, 612:A6, and PUBDB-2019-00138, arXiv:1609.08671.
doi: 10.1051/0004-6361/201629790.

HESS Collaboration.
Population study of Galactic supernova remnants at very high γ-ray energies with H.E.S.S.
Astronomy and astrophysics, 612:A3, and PUBDB-2018-02027, arXiv:1802.05172.
doi: 10.1051/0004-6361/201732125.

HESS Collaboration.
Search for γ -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.
Physical review letters, 120(20):201101, and PUBDB-2018-02055, arXiv:1805.05741.
doi: 10.1103/PhysRevLett.120.201101.

HESS Collaboration.
Searches for gamma-ray lines and 'pure WIMP' spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.
Journal of cosmology and astroparticle physics, 1811(11):037, and PUBDB-2018-05435, DESY-18-157; CERN-TH-2018-201; arXiv:1810.00995.
doi: 10.1088/1475-7516/2018/11/037.

HESS Collaboration.
Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars.
Astronomy and astrophysics, 612:A12, and PUBDB-2018-02031, arXiv:1705.02263.
doi: 10.1051/0004-6361/201630151.

HESS Collaboration.
The H.E.S.S. Galactic plane survey.
Astronomy and astrophysics, 612:A1, and PUBDB-2018-02035, arXiv:1804.02432.
doi: 10.1051/0004-6361/201732098.

HESS Collaboration.
The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey.
Astronomy and astrophysics, 612:A2, and PUBDB-2018-02054, arXiv:1702.08280.
doi: 10.1051/0004-6361/201629377.

HESS Collaboration.
VHE γ-ray discovery and multi-wavelength study of the blazar 1ES 2322-409.
Monthly notices of the Royal Astronomical Society, 482(3):3011, and PUBDB-2018-05466, arXiv:1810.04641.
doi: 10.1093/mnras/sty2686.

HESS collaboration.
Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.
Astronomy and astrophysics, 612:A9, and PUBDB-2018-02322.
doi: 10.1051/0004-6361/201730824.

HESS Collaboration and Fermi-LAT Collaboration.
The γ-ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT.
Astronomy and astrophysics, 619:A71, and PUBDB-2018-05468, arXiv:1807.07375.
doi: 10.1051/0004-6361/201832640.

Y. Hochberg, E. Kuflik and H. Murayama.
Twin Higgs model with strongly interacting massive particle dark matter.
Physical review / D, 99(1):015005, and PUBDB-2019-00485, DESY-18-076; IPMU-18-0094; arXiv:1805.09345.
doi: 10.1103/PhysRevD.99.015005.

Y. Hochberg et al.
Strongly interacting massive particles through the axion portal.
Physical review / D, 98(11):115031, and PUBDB-2019-00042, DESY-18-101; IPMU18-0114; arXiv:1806.10139.
doi: 10.1103/PhysRevD.98.115031.

W. Hollik and U. J. Saldana-Salazar.
Texture zeros and hierarchical masses from flavour (mis)alignment.
Nuclear physics / B, 928:535, and PUBDB-2018-01683, DESY-17-221; TTP 17-051; arXiv:1712.05387.
doi: 10.1016/j.nuclphysb.2018.01.030.

S. C. Hotinli et al.
Effect of reheating on predictions following multiple-field inflation.
Physical review / D, 97(2):023511, and PUBDB-2018-01672, DESY-17-169; arXiv:1710.08913.
doi: 10.1103/PhysRevD.97.023511.

Z.-Q. Huang et al.
Inefficient Cosmic-Ray Diffusion around Vela X: Constraints from H.E.S.S. Observations of Very High-energy Electrons.
The astrophysical journal / 1, 866(2):143, and PUBDB-2018-04143, arXiv:1807.04182.
doi: 10.3847/1538-4357/aadfed.

M. Huetten, C. Combet and D. Maurin.
Extragalactic diffuse γ-rays from dark matter annihilation: revised prediction and full modelling uncertainties.
Journal of cosmology and astroparticle physics, 2018(02):005, and PUBDB-2018-01165, arXiv:1711.08323; DESY-17-218.
doi: 10.1088/1475-7516/2018/02/005.

M. Huetten and G. Maier.
Observing Small-Scale γ-Ray Anisotropies with the Cherenkov Telescope Array.
Journal of cosmology and astroparticle physics, 1808(08):032, and PUBDB-2018-03725, DESY-18-095; arXiv:1806.01839.
doi: 10.1088/1475-7516/2018/08/032.

M. Hufnagel, K. Schmidt-Hoberg and S. Wild.
BBN constraints on MeV-scale dark sectors. Part I. Sterile decays.
Journal of cosmology and astroparticle physics, 1802(02):044, and PUBDB-2018-01681, DESY-17-211; arXiv:1712.03972.
doi: 10.1088/1475-7516/2018/02/044.

M. Hufnagel, K. Schmidt-Hoberg and S. Wild.
BBN constraints on MeV-scale dark sectors. Part II: Electromagnetic decays.
Journal of cosmology and astroparticle physics, 1811(11):032, and PUBDB-2018-05014, DESY-18-133; arXiv:1808.09324.
doi: 10.1088/1475-7516/2018/11/032.

IceCube Collaboration.
A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data.
The astrophysical journal / 1, 857(2):117, and PUBDB-2018-02030, arXiv:1712.06277.
doi: 10.3847/1538-4357/aab4f8.

IceCube Collaboration.
Measurement of Atmospheric Neutrino Oscillations at 6–56 GeV with IceCube DeepCore.
Physical review letters, 120(7):071801, and PUBDB-2019-00113, arXiv:1707.07081.
doi: 10.1103/PhysRevLett.120.071801.

IceCube Collaboration.
Neutrino Interferometry for High-Precision Tests of Lorentz Symmetry with IceCube.
Nature physics, 14(9):961, and PUBDB-2019-00123, arXiv:1709.03434.
doi: 10.1038/s41567-018-0172-2.

IceCube Collaboration.
Search for neutrinos from decaying dark matter with IceCube.
The European physical journal / C, 78(10):831, and PUBDB-2018-04144, arXiv:1804.03848.
doi: 10.1140/epjc/s10052-018-6273-3.

A. Ilnicka, T. Robens and T. Stefaniak.
Constraining extended scalar sectors at the LHC and beyond.
Modern physics letters / A, 33(10n11):1830007, and PUBDB-2018-02262, DESY-18-031; arXiv:1803.03594.
doi: 10.1142/S0217732318300070.

K. Inomata et al.
Double inflation as a single origin of primordial black holes for all dark matter and LIGO observations.
Physical review / D, 97(4):043514, and PUBDB-2018-01679, DESY-17-190; IPMU-17-0158; arXiv:1711.06129.
doi: 10.1103/PhysRevD.97.043514.

M. Isachenkov and V. Schomerus.
Integrability of conformal blocks. Part I. Calogero-Sutherland scattering theory.
Journal of high energy physics, 1807(07):180, and PUBDB-2018-03900, DESY-17-178; WIS-05-17-Nov-DPPA; arXiv:1711.06609.
doi: 10.1007/JHEP07(2018)180.

M. Isachenkov et al.
Calogero-Sutherland approach to defect blocks.
Journal of high energy physics, 1810(10):204, and PUBDB-2018-05006, DESY-18-070; arXiv:1806.09703.
doi: 10.1007/JHEP10(2018)204.

M. Ishida, K. Nishiwaki and Y. Tatsuta.
Seesaw mechanism in magnetic compactifications.
Journal of high energy physics, 1807(07):125, and PUBDB-2018-03273, DESY-18-022; KIAS-P18014; WU-HEP-18-03; arXiv:1802.06646.
doi: 10.1007/JHEP07(2018)125.

C.-S. Jao and L.-N. Hau.
Electrostatic solitons and Alfvén waves generated by streaming instability in electron-positron plasmas.
Physical review / E, 98(1):013203, and PUBDB-2019-00115.
doi: 10.1103/PhysRevE.98.013203.

E. Kafexhiu et al.
Energetic gamma-ray emission from solar flares.
The astrophysical journal / 1, 864(2):148, and PUBDB-2019-00096, arXiv:1803.02635.
doi: 10.3847/1538-4357/aad801.

R. Kallosh et al.
Fibre inflation and α-attractors.
Journal of high energy physics, 2018(2):117, and PUBDB-2018-01400, DESY-17-105.
doi: 10.1007/JHEP02(2018)117.

P. J. Kavanagh et al.
Magnetic field estimates from the X-ray synchrotron emitting rims of the 30 Dor C superbubble and the implications for the nature of 30 Dor C's TeV emission.
Astronomy and astrophysics, 621:A138, and PUBDB-2018-05518, arXiv:1809.01095.
doi: 10.1051/0004-6361/201833659.

T. Konstandin.
Gravitational radiation from a bulk flow model.
Journal of cosmology and astroparticle physics, 1803(03):047, and PUBDB-2018-01686, DESY-17-227; arXiv:1712.06869.
doi: 10.1088/1475-7516/2018/03/047.

S. Kuehn et al.
Prototyping of petalets for the Phase-II Upgrade of the silicon strip tracking detector of the ATLAS Experiment.
Journal of Instrumentation, 13(03):T03004, and PUBDB-2019-00247, arXiv:1711.01594.
doi: 10.1088/1748-0221/13/03/T03004.

J. Kummer, F. Kahlhoefer and K. Schmidt-Hoberg.
Effective description of dark matter self-interactions in small dark matter haloes.
Monthly notices of the Royal Astronomical Society, 474(1):388, and PUBDB-2017-13976, DESY-17-089.
doi: 10.1093/mnras/stx2715.

L. A. Kuzmichev et al.
TAIGA Gamma Observatory: Status and Prospects.
Physics of atomic nuclei, 81(4):497, and PUBDB-2018-03204.
doi: 10.1134/S1063778818040105.

O. Lebiga, R. Santos-Lima and H. Yan.
Kinetic–MHD simulations of gyroresonance instability driven by CR pressure anisotropy.
Monthly notices of the Royal Astronomical Society, 476(2):2779, and PUBDB-2018-05625, DESY-18-030.
doi: 10.1093/mnras/sty309.

M. Lemos et al.
Universality at large transverse spin in defect CFT.
Journal of high energy physics, 1809(09):091, and PUBDB-2018-03901, DESY-17-239; HU-EP-17-31; arXiv:1712.08185.
doi: 10.1007/JHEP09(2018)091.

J. Li et al.
Theoretically Motivated Search and Detection of Non-thermal Pulsations from PSRs J1747-2958, J2021+3651, and J1826-1256.
The astrophysical journal / 2, 868(2):L29, and PUBDB-2019-00461.
doi: 10.3847/2041-8213/aae92b.

P. Liendo, C. Meneghelli and V. Mitev.
Bootstrapping the half-BPS line defect.
Journal of high energy physics, 1810(10):077, and PUBDB-2018-03911, DESY-18-087; MITP-18-043; arXiv:1806.01862.
doi: 10.1007/JHEP10(2018)077.

H.-W. Lin et al.
Parton distributions and lattice QCD calculations: A community white paper.
Progress in particle and nuclear physics, 100:107, and PUBDB-2018-02088, DESY-17-185; IFJPAN-IV-2017-19; INT-PUB-17-042; MSUHEP-17-017; NIKHEF-2017-047; OUTP-17-15P; SMU-HEP-17-08; arXiv:1711.07916.
doi: 10.1016/j.ppnp.2018.01.007.

A. V. Lipatov et al.
Charmonia production from b-hadron decays at LHC with k_T-factorization: J/ψ, $\psi(2S)$ and $J/\psi + Z$.
The European physical journal / C, 78(1):2, and PUBDB-2018-00069, DESY-17-196; arXiv:1711.05625.
doi: 10.1140/epjc/s10052-017-5489-y.

R.-Y. Liu et al.
Can Winds Driven by Active Galactic Nuclei Account for the Extragalactic Gamma-Ray and Neutrino Backgrounds?
The astrophysical journal / 1, 858(1):9, and PUBDB-2018-02051, arXiv:1712.10168.
doi: 10.3847/1538-4357/aaba74.

A. Luszczak and W. Schäfer.
Incoherent diffractive photoproduction of J/ψ and Υ on heavy nuclei in the color dipole approach.
Physical review / C, 97(2):024903, and PUBDB-2019-00816, arXiv:1712.04502.
doi: 10.1103/PhysRevC.97.024903.

MAGIC Collaboration.
Constraining dark matter lifetime with a deep gamma-ray survey of the Perseus galaxy cluster with MAGIC.
Physics of the Dark Universe, 22:38, and PUBDB-2018-03435.
doi: 10.1016/j.dark.2018.08.002.

MAGIC Collaboration.
Gamma-ray flaring activity of NGC 1275 in 2016-2017 measured by MAGIC.
Astronomy and astrophysics, 617:A91, and PUBDB-2018-03202.
doi: 10.1051/0004-6361/201832895.

MAGIC Collaboration.
Indirect dark matter searches in the dwarf satellite galaxy Ursa Major II with the MAGIC telescopes.
Journal of cosmology and astroparticle physics, 2018(03):009, and PUBDB-2018-01461.
doi: 10.1088/1475-7516/2018/03/009.

MAGIC Collaboration.
The broad-band properties of the intermediate synchrotron peaked BLLacS20109+22 from radio to VHE gamma-rays.
Monthly notices of the Royal Astronomical Society, 480(1):879, and PUBDB-2018-02921.
doi: 10.1093/mnras/sty1753.

Magic Collaboration.
Periastron Observations of TeV Gamma-Ray Emission from a Binary System with a 50-year Period.
The astrophysical journal / 2, 867(1):L19, and PUBDB-2018-04635, arXiv:1810.05271.
doi: 10.3847/2041-8213/aae70e.

MAGIC Collaboration and FACT Collaboration and VERITAS Collaboration.
The extreme HBL behaviour of Markarian 501 during 2012.
Astronomy and astrophysics, 620:A181, and PUBDB-2019-00102, arXiv:1808.04300.
doi: 10.1051/0004-6361/201833704.

MAGIC Collaboration and Fermi-LAT Collaboration.
Detection of persistent VHE gamma-ray emission from PKS 1510-089 by the MAGIC telescopes during low states between 2012 and 2017.
Astronomy and astrophysics, 619:A159, and PUBDB-2019-00134, arXiv:1806.05367.
doi: 10.1051/0004-6361/201833618.

MAGIC Collaboration and Fermi-LAT Collaboration and MWL Collaboration.
Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase.
Astronomy and astrophysics, 619:A45, and PUBDB-2018-05619.
doi: 10.1051/0004-6361/201832677.

MAGIC Collaboration and HESS Collaboration.
Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations.
Astronomy and astrophysics, 612:A14, and PUBDB-2018-02028, arXiv:1707.03658.
doi: 10.1051/0004-6361/201731169.

A. Maier and P. Marquard.
Validity of Padé approximations in vacuum polarization at three- and four-loop order.
Physical review / D, 97(5):056016, and PUBDB-2018-02323.
doi: 10.1103/PhysRevD.97.056016.

A. Mariotti et al.
New LHC bound on low-mass diphoton resonances.
Physics letters / B, 783:13, and PUBDB-2018-03263, DESY-17-148; arXiv:1710.01743.
doi: 10.1016/j.physletb.2018.06.039.

P. Marquard et al.
Four-loop wave function renormalization in QCD and QED.
Physical review / D, 97(5):054032, and PUBDB-2019-00122, DESY-18-011; TTP18-007; arXiv:1801.08292.
doi: 10.1103/PhysRevD.97.054032.

S. Marzani, L. Sarem Schunk and G. Soyez.
The jet mass distribution after Soft Drop.
The European physical journal / C, 78(2):96, and PUBDB-2018-01682, DESY-17-217; arXiv:1712.05105.
doi: 10.1140/epjc/s10052-018-5579-5.

O. Matsedonskyi and M. Montull.
Light Higgs boson from a pole attractor.
Physical review / D, 98(1):015026, and PUBDB-2018-03262, DESY-17-145; arXiv:1709.09090.
doi: 10.1103/PhysRevD.98.015026.

L. McAllister et al.
Runaway relaxion monodromy.
Journal of high energy physics, 1802(02):124, and PUBDB-2018-01688, arXiv:1610.05320; DESY-16-159; MITP-16-108.
doi: 10.1007/JHEP02(2018)124.

I. de Medeiros Varzielas, G. G. Ross and J. Talbert Jr.
A unified model of quarks and leptons with a universal texture zero.
Journal of high energy physics, 1803(03):007, and PUBDB-2018-01670, OUTP-17-13P; DESY-17-146; arXiv:1710.01741.
doi: 10.1007/JHEP03(2018)007.

E. Morgante.
Simplified Dark Matter Models.
Advances in high energy physics, 2018:5012043, and PUBDB-2019-00040, DESY-18-047; arXiv:1804.01245.
doi: 10.1155/2018/5012043.

J. Moritz, A. Retolaza and A. Westphal.
Toward de Sitter space from ten dimensions.
Physical review / D, 97(4):046010, and PUBDB-2018-01402, DESY-17-112.
doi: 10.1103/PhysRevD.97.046010.

J. Moritz and T. Van Riet.
Racing through the swampland: de Sitter uplift vs. weak gravity.
Journal of high energy physics, 1809(09):099, and PUBDB-2018-03907, DESY-18-068; arXiv:1805.00944.
doi: 10.1007/JHEP09(2018)099.

L. Motyka et al.
Evidence of quasi-partonic higher-twist effects in deep inelastic scattering at HERA at moderate Q^2.
The European physical journal / C, 78(1):80, and PUBDB-2018-01108, arXiv:1707.05992.
doi: 10.1140/epjc/s10052-018-5548-z.

I. Moult et al.
N-jettiness subtractions for g g → H at subleading power.
Physical review / D, 97(1):014013, and PUBDB-2018-01230, DESY-17-128.
doi: 10.1103/PhysRevD.97.014013.

A. Nagai et al.
SENSE: A comparison of photon detection efficiency and optical crosstalk of various SiPM devices.
Nuclear instruments & methods in physics research / A, 912:182, and PUBDB-2019-00838.
doi: 10.1016/j.nima.2017.11.018.

Z. Nagy and D. E. Soper.
Jets and threshold summation in DEDUCTOR.
Physical review / D, 98(1):014035, and PUBDB-2018-03265, DESY-17-179; arXiv:1711.02369.
doi: 10.1103/PhysRevD.98.014035.

Z. Nagy and D. E. Soper.
What is a parton shower?
Physical review / D, 98:014034, and PUBDB-2018-03259, DESY-17-063; arXiv:1705.08093.
doi: 10.1103/PhysRevD.98.014034.

Nearby Supernova Factory Collaboration.
SNEMO: Improved Empirical Models for Type Ia Supernovae.
The astrophysical journal / 1, 869(2):167, and PUBDB-2019-00448.
doi: 10.3847/1538-4357/aaec7e.

A. Palladino, C. Mascaretti and F. Vissani.
The importance of observing astrophysical tau neutrinos.
Journal of cosmology and astroparticle physics, 1808(08):004, and PUBDB-2018-03351, arXiv:1804.04965.
doi: 10.1088/1475-7516/2018/08/004.

A. Palladino and W. Winter.
A multi-component model for observed astrophysical neutrinos.
Astronomy and astrophysics, 615:A168, and PUBDB-2018-02988, DESY-18-020; arXiv:1801.07277.
doi: 10.1051/0004-6361/201832731.

M. Papinutto, F. Scardino and S. Schaefer.
New extended interpolating fields built from three-dimensional fermions.
Physical review / D, 98(9):094506, and PUBDB-2018-04636, DESY-18-091; arXiv:1807.08714.
doi: 10.1103/PhysRevD.98.094506.

Particle Data Group Collaboration.
Review of Particle Physics.
Physical review / D, 98(3):030001, and PUBDB-2018-03100.
doi: 10.1103/PhysRevD.98.030001.

S. Passehr and G. Weiglein.
Two-loop top and bottom Yukawa corrections to the Higgs-boson masses in the complex MSSM.
The European physical journal / C, 78(3):222, and PUBDB-2018-01667, DESY-17-065; arXiv:1705.07909.
doi: 10.1140/epjc/s10052-018-5665-8.

S. Patel et al.
$\mathscr{CP}$-violating Effects on MSSM Higgs Searches.
Acta physica Polonica / B / Proceedings supplement, 11(2):223, and PUBDB-2018-05541, KA-TP-02-2018; arXiv:1801.05331.
doi: 10.5506/APhysPolBSupp.11.223.

O. Petruk et al.
Post-adiabatic supernova remnants in an interstellar magnetic field: oblique shocks and non-uniform environment.
Monthly notices of the Royal Astronomical Society, 479(3):4253, and PUBDB-2018-05693.
doi: 10.1093/mnras/sty1750.

Pierre Auger Collaboration.
Erratum: Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory.
Journal of cosmology and astroparticle physics, 1803(03):E02, and PUBDB-2019-00126, FERMILAB-PUB-16-618; arXiv:1612.07155.
doi: 10.1088/1475-7516/2018/03/E02.

M. Preti.
WiLE: a Mathematica package for weak coupling expansion of Wilson loops in ABJ(M) theory.
Computer physics communications, 227:126, and PUBDB-2019-00849, arXiv:1707.08108.
doi: 10.1016/j.cpc.2017.12.011.

S. Prohira et al.
Implementation of a custom time-domain firmware trigger for RADAR-based cosmic ray detection.
Nuclear instruments & methods in physics research / A, 890:126, and PUBDB-2018-01462.
doi: 10.1016/j.nima.2018.02.051.

M. Renschler et al.
Characterization of Hamamatsu 64-channel TSV SiPMs.
Nuclear instruments & methods in physics research / A, 888:257, and PUBDB-2019-00118, arXiv:1804.00897.
doi: 10.1016/j.nima.2018.01.029.

A. Ringwald, K. Sakurai and B. R. Webber.
Limits on electroweak instanton-induced processes with multiple boson production.
Journal of high energy physics, 1811(11):105, and PUBDB-2018-04828, DESY-18-169; Cavendish-HEP-18-15; arXiv:1809.10833.
doi: 10.1007/JHEP11(2018)105.

K. Saikawa et al.
Pole inflation in Jordan frame supergravity.
Journal of cosmology and astroparticle physics, 2018(01):031, and PUBDB-2018-01403, DESY-17-117.
doi: 10.1088/1475-7516/2018/01/031.

V. Schomerus and E. Sobko.
From spinning conformal blocks to matrix Calogero-Sutherland models.
Journal of high energy physics, 1804(04):052, and PUBDB-2018-02255, DESY-17-177; NORDITA-2017-105; arXiv:1711.02022.
doi: 10.1007/JHEP04(2018)052.

G. Servant.
The serendipity of electroweak baryogenesis.
2114. Higgs cosmology : Theo Murphy meeting, Buckinghamshire (UK), 27 Mar 2017 - 28 Mar 2017.
Roy. Soc., London.
doi: 10.1098/rsta.2017.0124.

X. de Sousa Ferreira Rodrigues et al.
Binary neutron star merger remnants as sources of cosmic-ray.
Astroparticle physics, 106:10, and PUBDB-2018-04279, DESY-18-097; arXiv:1806.01624.
doi: 10.1016/j.astropartphys.2018.10.007.

X. de Sousa Ferreira Rodrigues et al.
Neutrinos and Ultra-high-energy Cosmic-ray Nuclei from Blazars.
The astrophysical journal / 1, 854(1):54, and PUBDB-2018-01244, DESY-17-206; arXiv:1711.02091.
doi: 10.3847/1538-4357/aaa7ee.

I. Sushch, R. Brose and M. Pohl.
Modeling of the spatially resolved nonthermal emission from the Vela Jr. supernova remnant.
Astronomy and astrophysics, 618:A155, and PUBDB-2019-00142, arXiv:1807.10551; DESY-18-039.
doi: 10.1051/0004-6361/201832879.

J. Talbert Jr.
Pocket formulae for non-Abelian discrete anomaly freedom0370-2693.
Physics letters / B, 786:426, and PUBDB-2018-04987, DESY-18-034; arXiv:1804.04237.
doi: 10.1016/j.physletb.2018.10.025.

Team, xFitter Developers'.
Impact of low-x resummation on QCD analysis of HERA data.
The European physical journal / C, 78(8):621, and PUBDB-2018-05390, arXiv:1802.00064; DESY-18-017.
doi: 10.1140/epjc/s10052-018-6090-8.

S. Vafin et al.
The Electrostatic Instability for Realistic Pair Distributions in Blazar/EBL Cascades.
The astrophysical journal / 1, 857(1):43, and PUBDB-2018-05695.
doi: 10.3847/1538-4357/aab552.

M. V. del Valle and M. Pohl.
Nonthermal Emission from Stellar Bow Shocks.
The astrophysical journal / 1, 864(1):19, and PUBDB-2018-05692.
doi: 10.3847/1538-4357/aad333.

VERITAS Collaboration.
Measurement of cosmic-ray electrons at TeV energies by VERITAS.
Physical review / D, 98(6):062004, and PUBDB-2018-03719.
doi: 10.1103/PhysRevD.98.062004.

VERITAS Collaboration.
Measurement of the iron spectrum in cosmic rays by VERITAS.
Physical review / D, 98(2):022009, and PUBDB-2018-02922, arXiv:1807.08010.
doi: 10.1103/PhysRevD.98.022009.

VERITAS Collaboration.
Multiwavelength Observations of the Blazar BL Lacertae: A New Fast TeV Gamma-Ray Flare.
The astrophysical journal / 1, 856(2):95, and PUBDB-2018-01827, arXiv:1802.10113.
doi: 10.3847/1538-4357/aab35c.

VERITAS Collaboration and Fermi-LAT Collaboration and HAWC Collaboration.
VERITAS and Fermi -LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog.
The astrophysical journal / 1, 866(1):24, and PUBDB-2018-03989, arXiv:1808.10423.
doi: 10.3847/1538-4357/aade4e.

J.-S. Wang et al.
Analytical treatment for the development of electromagnetic cascades in intense magnetic fields.
Physical review / D, 97(10):103016, and PUBDB-2019-00097, arXiv:1805.03040.
doi: 10.1103/PhysRevD.97.103016.

K. Wang et al.
Hadronic Origin of Prompt High-energy Emission of Gamma-ray Bursts Revisited: In the Case of a Limited Maximum Proton Energy.
The astrophysical journal / 1, 857(1):24, and PUBDB-2018-01820.
doi: 10.3847/1538-4357/aab667.

J. Wells.
Beyond the hypothesis: Theory's role in the genesis, opposition, and pursuit of the Higgs boson.
Studies in history and philosophy of science / B, B62:36, and PUBDB-2019-00840.
doi: 10.1016/j.shpsb.2017.05.004.

H. Xiao et al.
In-flight energy calibration of the space-borne Compton polarimeter POLAR.
Astroparticle physics, 103:74, and PUBDB-2018-03197, arXiv:1710.08918.
doi: 10.1016/j.astropartphys.2018.07.009.

H. Ye et al.
Thermal mock-up studies of the Belle II vertex detector.
Nuclear instruments & methods in physics research / A, 896:82, and PUBDB-2019-00343, arXiv:1607.00663.
doi: 10.1016/j.nima.2018.04.023.

N. Zerf et al.
Critical behavior of the QED_3-Gross-Neveu-Yukawa model at four loops.
Physical review / B covering condensed matter and materials physics, 98(16):165125, and PUBDB-2018-03991, DESY-18-107; HU-EP-18-20; arXiv:1808.00549.
doi: 10.1103/PhysRevB.98.165125.

ZEUS Collaboration.
Further studies of isolated photon production with a jet in deep inelastic scattering at HERA.
Journal of high energy physics, 1801(01):032, and PUBDB-2018-00922, DESY-17-212; arXiv:1712.04273.
doi: 10.1007/JHEP01(2018)032.

H. Zhang and H. Yan.
Polarization of submillimetre lines from interstellar medium.
Monthly notices of the Royal Astronomical Society, 475(2):2415, and PUBDB-2019-00106, arXiv:1707.01015.
doi: 10.1093/mnras/stx3164.

H. Zhang, H. Yan and P. Richter.
The influence of atomic alignment on absorption and emission spectroscopy.
Monthly notices of the Royal Astronomical Society, 479(3):3923, and PUBDB-2019-00058.
doi: 10.1093/mnras/sty1594.

J. Zorn et al.
Characterisation and testing of CHEC-M—A camera prototype for the small-sized telescopes of the Cherenkov telescope array.
Nuclear instruments & methods in physics research / A, 904:44, and PUBDB-2019-00505.
doi: 10.1016/j.nima.2018.06.078.

Dissertationen

I. Akal.
Nonperturbative vacuum pair creation in strong fields and analogies in graphene.
Universität Hamburg, Hamburg, 2018.

M. Chera.
Particle Flow: From First Principles to Gaugino Property Determination at the ILC.
Universität Hamburg, Hamburg, 2018.

I. Coman-Lohi.
On generalisations of the AGT correspondence for non-Lagrangian theories of class S.
Universität Hamburg, Hamburg, 2018.

P. Connor.
Precision measurement of the inclusive b jet production in proton proton collisions with the CMS experiment at the LHC at $\sqrt{s} = 13\,\mathrm{TeV}$.
Universität Hamburg, Hamburg, 2018.

E. Engin.
Determination of the Parton Distribution Functions and Strong Coupling by Using Measurement of Jet Cross Sections at $\sqrt{s}$ = 13 TeV with the CMS detector with a combined QCD Analysis.
Universität Hamburg, Hamburg, 2018.

A. Ernst.
Axions in the Presence of Gauge Theories Beyond the Standard Model.
Universität Hamburg, Hamburg, 2018.

J. M. Grados Luyando.
Charged particle spectra in different final states at $\sqrt{s} = 13\,\mathrm{TeV}$ with the CMS Experiment.
Universität Hamburg, Hamburg, 2017.

M. Habermehl.
Dark Matter at the International Linear Collider.
Universität Hamburg, Hamburg, 2018.

E. Hass.
Longitudinal Electron Bunch Shape Reconstruction from Form Factor Modulus based on Spectrally Resolved Measurements of Coherent Transition Radiation.
Universität Hamburg, Hamburg, 2018.

C. Hengler.
Measurement of the fiducial differential Higgs cross-section with respect to pT using the diphoton decay channel atps = 8TeV with ATLAS.
University of Hamburg, 2018.

N. Kovalchuk.
Top quark mass measurement and color effects at the LHC.
Universität Hamburg, Hamburg, 2018.

S. Kurz.
Search for Supersymmetry in Events with Jets and Missing Transverse Momentum with the CMS Experiment.
Universität Hamburg, Hamburg, 2018.

S.-L. Lehtinen.
Supersymmetry parameter determination at the International Linear Collider.
Universität Hamburg, Hamburg, 2018.

A. Lelek.
Determination of TMD parton densities from HERA data and application to pp processes.
Universität Hamburg, Hamburg, 2018.

Y. Linke.
Defects in Conformal Field Theories.
University of Hamburg, 2018.

I. Makarenko.
Multijet Production with the ZEUS Detector at HERA.
Universität Hamburg, Hamburg, 2018.

M. Niedziela.
Precise jet measurements and search for supersymmetric particles with the CMS experiment.
Universität Hamburg, Hamburg, 2018.

R. W. Rasmussen.
Implications of physics beyond the Standard Model in the quark and lepton sectors.
Humboldt-Universität zu Berlin, 2018.

M. Riembau.
Exploration of the Higgs sector after its discovery.
Universitat Autonoma de Barcelona, 2018.

M. Savitskyi.
Measurements of differential cross sections for $t\bar{t}$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons with the CMS experiment.
Universität Hamburg, Hamburg, 2018.

A. Schütz.
Optimizing the design of the Final-Focus region for the International Linear Collider.
Karlsruhe Institute of Technology (KIT), Hamburg, 2018.

S. Y. Shim.
Beyond the SM searches at the LHC: Little Higgs models and Effective Field Theory.
Universität Hamburg, Hamburg, 2018.

M. Stoever.
Search for third-generation scalar leptoquarks with the CMS experiment.
Universität Hamburg, Hamburg, 2018.

J. Usovitsch.
Numerical evaluation of Mellin-Barnes integrals in Minkowskian regions and their application to two-loop bosonic electroweak contributions to the weak mixing angle of the $Z\bar{b}b$-vertex.
Humboldt-Universität zu Berlin, 2018.

J. Usovitsch.
Numerical evaluation of Mellin-Barnes integrals in Minowskian regions and their application to two-loop bosonic electroweak contributions to the weak mixing angle of the Zbb - vertex.
Humboldt Universität Berlin, 2018.

N. Zakharchuk.
Measurement of Z-boson production cross sections at $\sqrt{s}$ = 13 TeV and $t\bar{t}$ to Z-boson cross-section ratios with the ATLAS detector at the LHC.
Universität Hamburg, Hamburg, 2018.

2 | POF3-620 - Von Materie zu Materialien und Leben

ISI oder Scopus

M. M. Abdullah et al.
Towards the theoretical limitations of X-ray nanocrystallography at high intensity: the validity of the effective-form-factor description.
IUCrJ, 5(6):699, and PUBDB-2018-03578.
doi: 10.1107/S2052252518011442.

E. H. Abramson et al.
Carbonic acid monohydrate.
American mineralogist, 103(9):1468, and PUBDB-2019-00282.
doi: 10.2138/am-2018-6554.

I. Agapov et al.
Noninterleaved round beam lattice for light sources.
Physical review accelerators and beams, 21(5):051601, and PUBDB-2018-04025.
doi: 10.1103/PhysRevAccelBeams.21.051601.

A. Al Hassan et al.
Complete structural and strain analysis of single GaAs/(In,Ga)As/GaAs core–shell–shell nanowires by means of in-plane and out-of-plane X-ray nanodiffraction.
Journal of applied crystallography, 51(5):1387, and PUBDB-2018-03754.
doi: 10.1107/S1600576718011287.

F. Allum et al.
Coulomb explosion imaging of CH_3I and C_2ClI photodissociation dynamics.
The journal of chemical physics, 149(20):204313, and PUBDB-2018-05141.
doi: 10.1063/1.5041381.

K. Amini et al.
Photodissociation of Aligned CH_3I and $C_6H_3F_2I$ Molecules Probed with Time-Resolved Coulomb Explosion Imaging by Site-Selective XUV Ionization.
Structural dynamics, 5(1):014301, and PUBDB-2018-00199.
doi: 10.1063/1.4998648.

R. An et al.
Photostability and Photodegradation Processes in Colloidal $CsPbI_3$ Perovskite Quantum Dots.
ACS applied materials & interfaces, 10(45):39222, and PUBDB-2019-00392.
doi: 10.1021/acsami.8b14480.

S. Anzellini et al.
Laser-heating system for high-pressure X-ray diffraction at the Extreme Conditions beamline I15 at Diamond Light Source.
Journal of synchrotron radiation, 25(6):1860, and PUBDB-2019-00229.
doi: 10.1107/S1600577518013383.

T. Arion et al.
Transverse resonance island buckets for synchrotron-radiation based electron time-of-flight spectroscopy.
Review of scientific instruments, 89(10):103114, and PUBDB-2019-00075.
doi: 10.1063/1.5046923.

C. Arnold et al.
Control of Nuclear Dynamics through Conical Intersections and Electronic Coherences.
Physical review letters, 120(12):123001, and PUBDB-2018-01577.
doi: 10.1103/PhysRevLett.120.123001.

S. Augustin et al.
Signatures of autoionization in the angular electron distribution in two-photon double ionization of Ar.
Physical review / A, 98(3):033408, and PUBDB-2018-03640.
doi: 10.1103/PhysRevA.98.033408.

S. Awel et al.
Femtosecond X-ray diffraction from an aerosolized beam of protein nanocrystals.
Journal of applied crystallography, 51(1):133, and PUBDB-2018-01024.
doi: 10.1107/S1600576717018131.

A. Azima et al.
Direct Measurement of the Pulse Duration and Frequency Chirp of Seeded XUV Free Electron Laser Pulses.
New journal of physics, 20:013010, and PUBDB-2017-12900.
doi: 10.1088/1367-2630/aa9b4c.

S. Bajt et al.
X-ray focusing with efficient high-NA multilayer Laue lenses.
Light, 7(3):17162, and PUBDB-2017-12451.
doi: 10.1038/lsa.2017.162.

S.-S. Bao et al.
$Na_2Ir^{IV}Cl_6$: Spin–Orbital-Induced Semiconductor Showing Hydration-Dependent Structural and Magnetic Variations.
Inorganic chemistry, 57(21):13252, and PUBDB-2019-00800.
doi: 10.1021/acs.inorgchem.8b01753.

S. Bari et al.
Soft X-ray Spectroscopy as a Probe for Gas-Phase Protein Structure: Electron Impact Ionization from Within.
Chemistry - a European journal, 24(30):7631, and PUBDB-2018-02658.
doi: 10.1002/chem.201801440.

S. Bazzi et al.
Challenges in XUV Photochemistry Simulations: A Case Study on Ultrafast Fragmentation Dynamics of the Benzene Radical Cation.
The journal of physical chemistry / A, 122(4):1004, and PUBDB-2018-01104.
doi: 10.1021/acs.jpca.7b11543.

N. Begam et al.
Nanoparticle–polymer interfacial layer properties tune fragility and dynamic heterogeneity of athermal polymer nanocomposite films.
Soft matter, 14(43):8853, and PUBDB-2018-05897.
doi: 10.1039/C8SM01729H.

J. J. Bekx et al.
Ab initio calculation of electron-impact-ionization cross sections for ions in exotic electron configurations.
Physical review / A, 98(2):022701, and PUBDB-2018-02994.
doi: 10.1103/PhysRevA.98.022701.

R. Y. Bello et al.
Reconstruction of the time-dependent electronic wave packet arising from molecular autoionization.
Science advances, 4(8):eaat3962, and PUBDB-2019-00763.
doi: 10.1126/sciadv.aat3962.

M. Berlinghof et al.
Flexible sample cell for real-time GISAXS, GIWAXS and XRR: design and construction.
Journal of synchrotron radiation, 25:1664, and PUBDB-2018-03803.
doi: 10.1107/S1600577518013218.

D. Bernhard et al.
The phenyl vinyl ether–methanol complex: a model system for quantum chemistry benchmarking.
Beilstein journal of organic chemistry, 14:1642, and PUBDB-2019-00352.
doi: 10.3762/bjoc.14.140.

M. Bernhardt et al.
Correlative microscopy approach for biology using X-ray holography, X-ray scanning diffraction and STED microscopy.
Nature Communications, 9(1):3641, and PUBDB-2018-03533.
doi: 10.1038/s41467-018-05885-z.

F. Bertram et al.
The High Resolution Diffraction Beamline P08 at Petra III Expanded Towards a Platform for Structure Characterization of Organic Liquid Surfaces - Results from Lipid Monolayers.
Biophysical journal, 114(3):524a, and PUBDB-2019-00850.
doi: 10.1016/j.bpj.2017.11.2863.

D. Bessas et al.
Pressure-mediated structural transitions in bulk $EuTiO_3$.
Physical review / B, 98(5):054105, and PUBDB-2019-00332.
doi: 10.1103/PhysRevB.98.054105.

D. Bessas et al.
Lattice dynamics across the magnetic transition in $(Mn,Fe)_{1.95}(P,Si)$.
Physical review / B, 97(9):094303, and PUBDB-2019-00347.
doi: 10.1103/PhysRevB.97.094303.

K. R. Beyerlein et al.
Ultrafast nonthermal heating of water initiated by an X-ray Free-Electron Laser.
Proceedings of the National Academy of Sciences of the United States of America, 115(22):5652, and PUBDB-2019-00071.
doi: 10.1073/pnas.1711220115.

S. Blomberg et al.
Combining synchrotron light with laser technology in catalysis research.
Journal of synchrotron radiation, 25(5):1389, and PUBDB-2019-00208.
doi: 10.1107/S1600577518010597.

S. A. Bobkov et al.
Software Platform for European XFEL: Towards Online Experimental Data Analysis.
Lobachevskii journal of mathematics, 39(9):1170, and PUBDB-2019-00311.
doi: 10.1134/S1995080218090093.

U. Boesenberg et al.
Fast XANES fluorescence imaging using a Maia detector.
Journal of synchrotron radiation, 25(3):892, and PUBDB-2018-01892.
doi: 10.1107/S1600577518004940.

S. Botha et al.
De novo protein structure determination by heavy-atom soaking in lipidic cubic phase and SIRAS phasing using serial synchrotron crystallography.
IUCrJ, 5(5):524, and PUBDB-2018-05499.
doi: 10.1107/S2052252518009223.

M. Braune et al.
Non-invasive online wavelength measurements at FLASH2 and present benchmark.
Journal of synchrotron radiation, 25(1):3, and PUBDB-2017-13675.
doi: 10.1107/S1600577517013893.

F. Braußе et al.
Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom.
Physical review / A, 97(4):043429, and PUBDB-2018-01956.
doi: 10.1103/PhysRevA.97.043429.

L. Bruk et al.
The Mechanism of Low-Temperature Oxidation of Carbon Monoxide by Oxygen over the $PdCl_2$–$CuCl_2/\gamma-Al_2O_3$ Nanocatalyst.
Nanomaterials, 8(4):217, and PUBDB-2019-00772.
doi: 10.3390/nano8040217.

J. Buchen et al.
Equation of State of Polycrystalline Stishovite Across the Tetragonal-Orthorhombic Phase Transition.
Journal of geophysical research / Solid earth, 123(9):7347, and PUBDB-2018-04226.
doi: 10.1029/2018JB015835.

M. Bykov et al.
Fe-N system at high pressure reveals a compound featuring polymeric nitrogen chains.
Nature Communications, 9(1):2756, and PUBDB-2018-02626.
doi: 10.1038/s41467-018-05143-2.

M. Bykov et al.
High-Pressure Synthesis of a Nitrogen-Rich Inclusion Compound $ReN_8 \cdot xN_2$ with Conjugated Polymeric Nitrogen Chains.
Angewandte Chemie, 130(29):9186, and PUBDB-2019-01867.
doi: 10.1002/ange.201805152.

M. Bykov et al.
High-pressure synthesis of a nitrogen-rich inclusion compound $ReN_8 \cdot xN_2$ with conjugated polymeric nitrogen chains.
Angewandte Chemie / International edition, 57(29):9048, and PUBDB-2018-02309.
doi: 10.1002/anie.201805152.

E. Bykova et al.
Metastable silica high pressure polymorphs as structural proxies of deep Earth Silicate Melts.
Nature Communications, 9:4789, and PUBDB-2018-03920.
doi: 10.1038/s41467-018-07265-z.

F. Calegari et al.
Attosecond spectroscopy of bio-chemically relevant molecules.
Rivista del nuovo cimento, 041(08):415, and PUBDB-2018-03690.
doi: 10.1393/ncr/i2018-10150-2.

A.-L. Calendron et al.
Laser system design for table-top X-ray light source.
High power laser science and engineering, 6:e12, and PUBDB-2018-00683.
doi: 10.1017/hpl.2018.5.

H. Cankaya et al.
Comparative Spectroscopic Investigation of Tm^{3+}: Tellurite Glasses for 2-μm Lasing Applications.
Applied Sciences, 8(3):333, and PUBDB-2018-01330.
doi: 10.3390/app8030333.

H. Cao et al.
Air-stable metal hydride-polymer composites of $Mg(NH_2)_2$–LiH and TPX™.
Materials today, 10:98, and PUBDB-2018-04229.
doi: 10.1016/j.mtener.2018.08.008.

L. Caretta et al.
Fast current-driven domain walls and small skyrmions in a compensated ferrimagnet.
Nature nanotechnology, 13(12):1154, and PUBDB-2019-00323.
doi: 10.1038/s41565-018-0255-3.

E.-R. Carl et al.
Phase transitions of α-quartz at elevated temperatures under dynamic compression using a membrane-driven diamond anvil cell: Clues to impact cratering?
Meteoritics & planetary science, 53(8):1687, and PUBDB-2018-01690.
doi: 10.1111/maps.13077.

A. Carmona et al.
SLC30A10 Mutation Involved in Parkinsonism Results in Manganese Accumulation within Nanovesicles of the Golgi Apparatus.
ACS chemical neuroscience, 10(1):599, and PUBDB-2018-04012.
doi: 10.1021/acschemneuro.8b00451.

C. M. Casadei et al.
Resolution extension by image summing in serial femtosecond crystallography of two-dimensional membrane-protein crystals.
IUCrJ, 5(1):103, and PUBDB-2017-14115.
doi: 10.1107/S2052252517017043.

M. C. Castrovilli et al.
Ultrafast Hydrogen Migration in Photoionized Glycine.
The journal of physical chemistry letters, 9(20):6012, and PUBDB-2018-03796.
doi: 10.1021/acs.jpclett.8b02089.

B. Chang et al.
Critical Strains for Lamellae Deformation and Cavitation during Uniaxial Stretching of Annealed Isotactic Polypropylene.
Macromolecules, 51(16):6276, and PUBDB-2018-04131.
doi: 10.1021/acs.macromol.8b00642.

B. Chang et al.
Microstructure characterization in a single isotactic polypropylene spherulite by synchrotron microfocus wide angle X -ray scattering.
Polymer, 142:387, and PUBDB-2018-04132.
doi: 10.1016/j.polymer.2018.03.061.

C. T. Chantler et al.
A call for a round robin study of XAFS stability and platform dependence at synchrotron beamlines on well defined samples.
Journal of synchrotron radiation, 25(4):935, and PUBDB-2018-04782.
doi: 10.1107/S1600577518003752.

H. N. Chapman.
A detector for the sources.
Nature methods, 15(10):774, and PUBDB-2018-03702.
doi: 10.1038/s41592-018-0150-8.

A. S. Chatterley et al.
Communication: Switched wave packets with spectrally truncated chirped pulses.
The journal of chemical physics, 148(22):221105, and PUBDB-2018-02514.
doi: 10.1063/1.5028359.

D. Chekrygina et al.
Towards the geometric structure of small supported Au_9 clusters on Si.
Scientific reports, 8(1):12371, and PUBDB-2019-00192.
doi: 10.1038/s41598-018-30750-w.

M. Chemnitz et al.
Thermodynamic control of soliton dynamics in liquid-core fibers.
Optica, 5(6):695, and PUBDB-2019-00828.
doi: 10.1364/OPTICA.5.000695.

Z. Chen et al.
Ultrafast Self-Induced X-Ray Transparency and Loss of Magnetic Diffraction.
Physical review letters, 121(13):137403, and PUBDB-2019-00176.
doi: 10.1103/PhysRevLett.121.137403.

J. Choi et al.
Pressure-induced rotational symmetry breaking in URu_2Si_2.
Physical review / B, 98(24):241113, and PUBDB-2019-00396.
doi: 10.1103/PhysRevB.98.241113.

A. Choudhuri et al.
A spatio-spectral polarization analysis of 1 μm-pumped bulk supercontinuum in a cubic crystal (YAG).
Applied physics / B, 124(6):103, and PUBDB-2018-04731.
doi: 10.1007/s00340-018-6966-1.

K. L. Chubb et al.
Treating linear molecule HCCH in calculations of rotation-vibration spectra.
The journal of chemical physics, 149(1):014101, and PUBDB-2018-02507.
doi: 10.1063/1.5031844.

A. I. Chumakov et al.
Superradiance of an ensemble of nuclei excited by a free electron laser.
Nature physics, 14(3):261, and PUBDB-2019-01222.
doi: 10.1038/s41567-017-0001-z.

H.-Y. Chung et al.
Megawatt peak power tunable femtosecond source based on self-phase modulation enabled spectral selection.
Optics express, 26(3):3684, and PUBDB-2018-01075.
doi: 10.1364/OE.26.003684.

H.-Y. Chung et al.
Tunable, Ultrafast Fiber-Laser Between 1.15 and 1.35 μm for Harmonic Generation Microscopy in Human Skin.
IEEE journal of selected topics in quantum electronics, 25(1):6800708, and PUBDB-2018-02981.
doi: 10.1109/JSTQE.2018.2864193.

M. Civita et al.
Phase modulation due to crystal diffraction by ptychographic imaging.
Physical review / B, 97(10):104101, and PUBDB-2019-00087.
doi: 10.1103/PhysRevB.97.104101.

D. Cocco et al.
PhotonDiag2017 workshop: introductory overview.
Journal of synchrotron radiation, 25(1):1, and PUBDB-2019-00755.
doi: 10.1107/S1600577517017775.

I. Collings et al.
Disorder–order transitions in the perovskite metal–organic frameworks $[(CH_3)_2NH_2][M(HCOO)_3]$ at high pressure.
CrystEngComm, 20(25):3512, and PUBDB-2019-00414.
doi: 10.1039/C8CE00617B.

I. Collings et al.
Pressure dependence of spin canting in ammonium metal formate antiferromagnets.
Physical chemistry, chemical physics, 20(37):24465, and PUBDB-2019-00174.
doi: 10.1039/C8CP03761B.

D. Comboni et al.
Pargasite at high pressure and temperature.
Physics and chemistry of minerals, 45(3):259, and PUBDB-2017-09069.
doi: 10.1007/s00269-017-0915-0.

A. Dangwal Pandey et al.
Surface characterization of nitrogen-doped Nb (100) large-grain superconducting RF cavity material.
Journal of materials science, 53(14):10411, and PUBDB-2018-02553.
doi: 10.1007/s10853-018-2310-8.

V. Y. Danyushevsky et al.
Revealing the Influence of Silver in Ni–Ag Catalysts on the Selectivity of Higher Olefin Synthesis from Stearic Acid.
Russian journal of physical chemistry / A, 92(1):57, and PUBDB-2019-00796.
doi: 10.1134/S0036024417120068.

C. David et al.
Diffractive X-ray Optics for Synchrotrons and Free-Electron Lasers.
Microscopy and microanalysis, 24(S2):268, and PUBDB-2018-02898.
doi: 10.1017/S1431927618013673.

G. De Kort et al.
Effect of Shear Rate on the Orientation and Relaxation of a Vanillic Acid Based Liquid Crystalline Polymer.
Polymers, 10(9):935, and PUBDB-2018-03757.
doi: 10.3390/polym10090935.

C. Dean et al.
Incremental distribution of strontium and zinc in great ape and fossil hominin cementum using synchrotron X-ray fluorescence mapping.
Interface, 15(138):20170626, and PUBDB-2018-00341.
doi: 10.1098/rsif.2017.0626.

A. B. Dey et al.
Correlating Photoluminescence and Structural Properties of Uncapped and GaAs-Capped Epitaxial InGaAs Quantum Dots.
Scientific reports, 8(1):7514, and PUBDB-2019-00172.
doi: 10.1038/s41598-018-25841-7.

B. Dicke et al.
Transferring the entatic-state principle to copper photochemistry.
Nature chemistry, 10:355, and PUBDB-2018-00754.
doi: 10.1038/nchem.2916.

A. M. Diederichs et al.
In-situ investigations of structural changes during cyclic loading of aluminium by high resolution reciprocal space mapping.
International journal of fatigue, 117:206, and PUBDB-2018-05900.
doi: 10.1016/j.ijfatigue.2018.07.040.

F. Dietrich et al.
The Effect of Dispersion on the Structure of Diphenyl Ether Aggregates.
Angewandte Chemie / International edition International edition, 57(30):9534, and PUBDB-2019-00384.
doi: 10.1002/anie.201801842.

M. Dittrich et al.
Interactions of Cationic Lipids with DNA: A Structural Approach.
Langmuir, 34(49):14858, and PUBDB-2018-05640.
doi: 10.1021/acs.langmuir.8b01635.

S. Doerfler et al.
On the mechanistic role of nitrogen-doped carbon cathodes in lithium-sulfur batteries with low electrolyte weight portion.
Nano energy, 54:116, and PUBDB-2018-03821.
doi: 10.1016/j.nanoen.2018.09.065.

S. R. Domingos and M. Schnell.
Wet Sunscreens in the Gas Phase: Structures of Isolated and Microsolvated Oxybenzone.
The journal of physical chemistry letters, 9(17):4963, and PUBDB-2019-00284.
doi: 10.1021/acs.jpclett.8b02029.

F. Döring et al.
ID-Full Field Microscopy of Elastic and Inelastic Scattering with Transmission off-axis Fresnel Zone Plates.
Microscopy and microanalysis, 24(S2):182, and PUBDB-2018-02939.
doi: 10.1017/S1431927618013260.

W. Drube.
Hard X-ray Photoelectron Spectroscopy.
Synchrotron radiation news, 31(4):2, and PUBDB-2018-04307.
doi: 10.1080/08940886.2018.1483647.

S. Dziarzhytski et al.
Diffraction Gratings Metrology and Ray-Tracing Results for an XUV Raman Spectrometer at FLASH.
Journal of synchrotron radiation, 25(1):138, and PUBDB-2017-12491.
doi: 10.1107/S1600577517013066.

I. Efthimiopoulos et al.
Pressure-induced structural and electronic transitions in kesterite-type Cu_2ZnSnS_4.
Journal of applied physics, 124(8):085905, and PUBDB-2019-00239.
doi: 10.1063/1.5047842.

D. Egorov et al.
Near-Edge Soft X-ray Absorption Mass Spectrometry of Protonated Melittin.
Journal of the American Society for Mass Spectrometry, 29(11):2138, and PUBDB-2018-05887.
doi: 10.1007/s13361-018-2035-6.

V. Ekholm et al.
Strong enrichment of atmospherically relevant organic ions at the aqueous interface: the role of ion pairing and cooperative effects.
Physical chemistry, chemical physics, 20(42):27185, and PUBDB-2019-00077.
doi: 10.1039/C8CP04525A.

B. Erk et al.
CAMP@FLASH: an end-station for imaging, electron- and ion-spectroscopy, and pump–probe experiments at the FLASH free-electron laser.
Journal of synchrotron radiation, 25(5):1529, and PUBDB-2018-03069.
doi: 10.1107/S1600577518008585.

M. Etter.
The crystal structure of trisodium hexachlororhodate (Na_3RhCl_6).
Powder diffraction, 33(01):62, and PUBDB-2019-00803.
doi: 10.1017/S0885715618000155.

G. Falkenberg et al.
Correlative Imaging of Melanosoms with Ptychography, X-ray Fluorescence and Light Microscopy.
S2. International Conference X-Ray Microscopy, Saskatoon (Canada), 19 Aug 2018 - 24 Aug 2018.
Cambridge University Press, New York, NY.
doi: 10.1017/S143192761801423X.

G. Falkenberg et al.
Correlative XRF, ptychography and light microscopy on shielding pigments of Clunio larval ocelli.
Journal of Instrumentation, 13(07):C07001, and PUBDB-2018-02571.
doi: 10.1088/1748-0221/13/07/C07001.

A. Fallahi, A. Yahaghi and F. Kärtner.
MITHRA 1.0: A full-wave simulation tool for Free Electron Lasers.
Computer physics communications, 228:192, and PUBDB-2017-07594, arXiv:1612.03310.
doi: 10.1016/j.cpc.2018.03.011.

H. Fang et al.
Structural, microstructural and magnetic evolution in cryo milled carbon doped MnAl.
Scientific reports, 8(1):2525, and PUBDB-2018-01454.
doi: 10.1038/s41598-018-20606-8.

A. M. Fidelli et al.
Green and rapid mechanosynthesis of high-porosity NU- and UiO-type metal–organic frameworks.
Chemical communications, 54(51):6999, and PUBDB-2018-03951.
doi: 10.1039/C8CC03189D.

M. Fisher-Levine et al.
Time-resolved ion imaging at free-electron lasers using Timepix-Cam.
Journal of synchrotron radiation, 25(2):336, and PUBDB-2018-01953.
doi: 10.1107/S1600577517018306.

N. Foos et al.
X-ray and UV radiation-damage-induced phasing using synchrotron serial crystallography.
Acta crystallographica / D, 74(4):366, and PUBDB-2018-01940.
doi: 10.1107/S2059798318001535.

R. Forbes et al.
Auger electron angular distributions following excitation or ionization of the I 3d level in methyl iodide.
The journal of chemical physics, 149(9):094304, and PUBDB-2019-00089.
doi: 10.1063/1.5045640.

R. Forbes et al.
Photoionization of the iodine 3d, 4s, and 4p orbitals in methyl iodide.
The journal of chemical physics, 149(14):144302, and PUBDB-2019-00088.
doi: 10.1063/1.5035496.

D. Franke et al.
Synthesis and characterization of perovskite-type $La_{1-y}Ca_yMn_{1-x}B''_xO_{3\pm\delta}$ nanomaterials (B″ = Ni, Fe; x = 0.2, 0.5; y = 0.4, 0.25).
Solid state sciences, 76:118, and PUBDB-2019-00205.
doi: 10.1016/j.solidstatesciences.2017.12.008.

N. A. Gaida et al.
Transparent polycrystalline nanoceramics consisting of triclinic Al_2SiO_5 kyanite and Al_2O_3 corundum.
Journal of the American Ceramic Society, 101:998, and PUBDB-2017-11619.
doi: 10.1111/jace.15281.

J. Gamcová et al.
Comparison Study of Internal Stress Measured by Diffraction Mapping and Calculation Using FEM.
Key engineering materials, 784:120, and PUBDB-2019-01170.
doi: 10.4028/www.scientific.net/KEM.784.120.

M. K. Ganesa Subramanian, R. Santra and R. Welsch.
Infrared-laser-pulse-enhanced ultrafast fragmentation of N_2^{2+} following Auger decay: Mixed quantum-classical simulations.
Physical review / A, 98(6):063421, and PUBDB-2018-05775.
doi: 10.1103/PhysRevA.98.063421.

L. Gannon et al.
Lattice dynamics of the cluster chain compounds $M_2Mo_6Se_6$ (M = K, Rb, Cs, In, and Tl).
Physical review / B, 98(1):014104, and PUBDB-2019-00158.
doi: 10.1103/PhysRevB.98.014104.

A. M. Gänzler et al.
Tuning the Pt/CeO_2 Interface by in Situ Variation of the Pt Particle Size.
ACS catalysis, 8(6):4800, and PUBDB-2019-00238.
doi: 10.1021/acscatal.8b00330.

T. M. Gasser et al.
Experiments indicating a second hydrogen ordered phase of ice VI.
Chemical science, 9(18):4224, and PUBDB-2019-00741.
doi: 10.1039/C8SC00135A.

A. Gaul et al.
Size limits of magnetic-domain engineering in continuous in-plane exchange-bias prototype films.
Beilstein journal of nanotechnology, 9:2968, and PUBDB-2019-00841.
doi: 10.3762/bjnano.9.276.

M. M. Ghahremanpour et al.
Polarizable Drude Model with s -Type Gaussian or Slater Charge Density for General Molecular Mechanics Force Fields.
Journal of chemical theory and computation, 14(11):5553, and PUBDB-2019-00061.
doi: 10.1021/acs.jctc.8b00430.

P. Ghosh et al.
An investigation on shear banding and crystallographic texture of Ag–Cu alloys deformed by high-pressure torsion.
Proceedings of the Institution of Mechanical Engineers / C, 233(3):794, and PUBDB-2018-01373.
doi: 10.1177/0954406218761508.

P. Ghosh et al.
Deformation characteristics of ultrafine grained and nanocrystalline iron and pearlitic steel - An in situ synchrotron investigation.
Acta metallurgica et materialia, 160:22, and PUBDB-2018-04668.
doi: 10.1016/j.actamat.2018.08.036.

Y. Gicquel et al.
Microfluidic Chips for In Situ Crystal X-ray Diffraction and In Situ Dynamic Light Scattering for Serial Crystallography.
Journal of visualized experiments, 134:e57133, and PUBDB-2018-01851.
doi: 10.3791/57133.

T. Gog et al.
Performance of quartz- and sapphire-based double-crystal high-resolution (10 meV) RIXS monochromators under varying power loads.
Journal of synchrotron radiation, 25(4):1030, and PUBDB-2019-00184.
doi: 10.1107/S1600577518005945.

J. Gollwitzer et al.
Incoherent Nuclear Resonant Scattering from a Standing Spin Wave.
Scientific reports, 8(1):11261, and PUBDB-2018-02866.
doi: 10.1038/s41598-018-29596-z.

D. Gorelova.
Imaging Electron Dynamics with Ultrashort Light Pulses. Theory Perspective.
Applied Sciences, 8(3):318, and PUBDB-2018-01265.
doi: 10.3390/app8030318.

L. A. Gorelova et al.
Pentacoordinated silicon in the high-pressure modification of datolite, $CaBSiO_4(OH)$.
Inorganic chemistry frontiers, 5(7):1653, and PUBDB-2018-03755.
doi: 10.1039/C8QI00257F.

S. Gorfman et al.
Ferroelectric domain wall dynamics characterized with X-ray photon correlation spectroscopy.
Proceedings of the National Academy of Sciences of the United States of America, 115(29):E6680, and PUBDB-2018-03852.
doi: 10.1073/pnas.1720991115.

T. Gorkhover et al.
Femtosecond X-ray Fourier holography imaging of free-flying nanoparticles.
Nature photonics, 12(3):150, and PUBDB-2018-01363.
doi: 10.1038/s41566-018-0110-y.

O. Y. Gorobtsov et al.
Diffraction based Hanbury Brown and Twiss interferometry at a hard x-ray free-electron laser.
Scientific reports, 8:2219, and PUBDB-2018-00999.
doi: 10.1038/s41598-018-19793-1.

O. Gorobtsov et al.
Seeded X-ray free-electron laser generating radiation with laser statistical properties.
Nature Communications, 9(1):4498, and PUBDB-2018-03536.
doi: 10.1038/s41467-018-06743-8.

J. B. Graneek, W. C. Bailey and M. Schnell.
Electron-withdrawing effects on the molecular structure of 2- and 3-nitrobenzonitrile revealed by broadband rotational spectroscopy and their comparison with 4-nitrobenzonitrile.
Physical chemistry, chemical physics, 20(34):22210, and PUBDB-2019-00407.
doi: 10.1039/C8CP01539B.

E. Greenberg et al.
Pressure-Induced Site-Selective Mott Insulator-Metal Transition in Fe_2O_3.
Physical review / X, 8(3):031059, and PUBDB-2018-03769.
doi: 10.1103/PhysRevX.8.031059.

S. Gruet et al.
Where's water? The many binding sites of hydantoin.
Physical chemistry, chemical physics, 20(8):5545, and PUBDB-2018-01488.
doi: 10.1039/C7CP06518C.

M. L. Grünbein et al.
Megahertz Data Collection from Protein Microcrystals at an X-Ray Free-Electron Laser.
Nature Communications, 9(1):3487, and PUBDB-2018-03217.
doi: 10.1038/s41467-018-05953-4.

S. Grundmann et al.
Separating Dipole and Quadrupole Contributions to Single-Photon Double Ionization.
Physical review letters, 121(17):173003, and PUBDB-2018-04884.
doi: 10.1103/PhysRevLett.121.173003.

F. Grüner et al.
Localising functionalised gold-nanoparticles in murine spinal cords by X-ray fluorescence imaging and background-reduction through spatial filtering for human-sized objects.
Scientific reports, 8(1):16561, and PUBDB-2018-05098.
doi: 10.1038/s41598-018-34925-3.

S. Haas et al.
Correlation of precipitate evolution with Vickers hardness in Haynes® 282® superalloy: In-situ high-energy SAXS/WAXS investigation.
Materials science and engineering / A, 711:250, and PUBDB-2017-12117.
doi: 10.1016/j.msea.2017.11.035.

J. Hagemann, M. Töpperwien and T. Salditt.
Phase retrieval for near-field X-ray imaging beyond linearisation or compact support.
Applied physics letters, 113(4):041109, and PUBDB-2018-02941.
doi: 10.1063/1.5029927.

J. Hagemann, M. Topperwien and T. Salditt.
Solving the Phase Problem in X-Ray Near-Field Holography Beyond the Assumption of Weak Objects.
Microscopy and microanalysis, 24(S2):40, and PUBDB-2018-02940.
doi: 10.1017/S143192761801262X.

A. Haque et al.
Internal Heterostructure of Anion-Exchanged Cesium Lead Halide Nanocubes.
The journal of physical chemistry / C, 122(25):13399, and PUBDB-2019-00210.
doi: 10.1021/acs.jpcc.7b11118.

N. Hartmann et al.
Attosecond time–energy structure of X-ray free-electron laser pulses.
Nature photonics, 12(4):215, and PUBDB-2018-01788.
doi: 10.1038/s41566-018-0107-6.

N. Heidenreich et al.
Green synthesis of a new layered aluminium citraconate: crystal structures, intercalation behaviour towards H_2O **and in situ PXRD studies of its crystallisation**.
European politics and society, 47(1):215, and PUBDB-2019-00186.
doi: 10.1039/C7DT04221C.

U. Hejral et al.
Identification of a Catalytically Highly Active Surface Phase for CO Oxidation over PtRh Nanoparticles under Operando Reaction Conditions.
Physical review letters, 120(12):126101, and PUBDB-2018-01584.
doi: 10.1103/PhysRevLett.120.126101.

T. Hellert and M. Dohlus.
Detuning Related Coupler Kick Variation of a Superconducting Nine-Cell 1.3 GHz Cavity.
Physical review accelerators and beams, 21(4):042001, and PUBDB-2018-01661, arXiv:1804.02487 ; DESY-17-215.
doi: 10.1103/PhysRevAccelBeams.21.042001.

M. Hemmer et al.
Cascaded Interactions Mediated by terahertz radiation.
Optics express, 26(10):12536, and PUBDB-2018-01885.
doi: 10.1364/OE.26.012536.

S. Henke et al.
Pore closure in zeolitic imidazolate frameworks under mechanical pressure.
Chemical science, 9(6):1654, and PUBDB-2018-05936.
doi: 10.1039/C7SC04952H.

L. Heymann et al.
A New Synthesis Approach for Carbon Nitrides: Poly(triazine imide) and Its Photocatalytic Properties.
ACS omega, 3(4):3892, and PUBDB-2018-02965.
doi: 10.1021/acsomega.8b00294.

M. C. Hoffmann et al.
Femtosecond profiling of shaped x-ray pulses.
New journal of physics, 20(3):033008, and PUBDB-2019-00062.
doi: 10.1088/1367-2630/aab548.

N. Hohn et al.
Readily available titania nanostructuring routines based on mobility and polarity controlled phase separation of an amphiphilic diblock copolymer.
Nanoscale, 10(11):5325, and PUBDB-2018-05819.
doi: 10.1039/C7NR09519H.

S. Hrivňak et al.
Phase retrieval for arbitrary Fresnel-like linear shift-invariant imaging systems suitable for tomography.
Biomedical optics express, 9(9):4390, and PUBDB-2019-00085.
doi: 10.1364/BOE.9.004390.

X.-M. Hu et al.
Selective CO_2 Reduction to CO in Water using Earth-Abundant Metal and Nitrogen-Doped Carbon Electrocatalysts.
ACS catalysis, 8(7):6255, and PUBDB-2018-04780.
doi: 10.1021/acscatal.8b01022.

Y. Hua et al.
87-W 1018-nm Yb-fiber ultrafast seeding source for cryogenic Yb:YLF amplifier.
Optics letters, 43(8):1686, and PUBDB-2018-01602.
doi: 10.1364/OL.43.001686.

Y. Hua et al.
Pre-chirp managed, core-pumped nonlinear PM fiber amplifier delivering sub-100-fs and high energy (10 nJ) pulses with low noise.
Optics express, 26(5):6427, and PUBDB-2018-01356.
doi: 10.1364/OE.26.006427.

H. Huang et al.
Ultrafast Control of Even-Order Harmonic Generation from Solids by an Intense Terahertz Field.
2018 43rd International Conference on Infrared, Millimeter, and Terahertz Waves, Nagoya (Japan), 9 Sep 2018 - 14 Sep 2018.
IEEE, New York, NY.
doi: 10.1109/IRMMW-THz.2018.8510220.

Z. Huang et al.
Development and Characterization of a Laser-Induced Acoustic Desorption Source.
Analytical chemistry, 90(6):3920, and PUBDB-2018-04662, arXiv:1710.06684.
doi: 10.1021/acs.analchem.7b04797.

L. Hubčík et al.
DNA–DOPE–gemini surfactants complexes at low surface charge density: from structure to transfection efficiency.
General physiology and biophysics, 37(1):57, and PUBDB-2019-00177.
doi: 10.4149/gpb_2017042.

C. B. Hübschle et al.
On avoiding negative electron density in Gram-Charlier refinements of anharmonic motion: the example of glutathione.
Zeitschrift für Kristallographie / Crystalline materials, 233(9-10):695, and PUBDB-2018-03800.
doi: 10.1515/zkri-2018-2060.

M. Ilchen et al.
Symmetry breakdown of electron emission in extreme ultraviolet photoionization of argon.
Nature Communications, 9(1):4659, and PUBDB-2019-00093.
doi: 10.1038/s41467-018-07152-7.

J. Immoor et al.
Evidence for 100011 slip in ferropericlase in Earth's lower mantle from high-pressure/high-temperature experiments.
Earth and planetary science letters, 489:251, and PUBDB-2018-01552.
doi: 10.1016/j.epsl.2018.02.045.

A. Indra et al.
CrO_4 distortion-driven ferroelectric order in $(R,Y)CrO_4(R = Sm, Gd, and\ Ho)$: A new family of multiferroics.
Physical review / B, 98(1):014408, and PUBDB-2018-02622.
doi: 10.1103/PhysRevB.98.014408.

L. Inhester et al.
A Chemical Understanding of the Limited Site-Specificity in Molecular Inner-Shell Photofragmentation.
The journal of physical chemistry letters, 9(5):1156, and PUBDB-2018-01193.
doi: 10.1021/acs.jpclett.7b03235.

T. Ishii et al.
Complete agreement of the post-spinel transition with the 660-km seismic discontinuity.
Scientific reports, 8(1):6358, and PUBDB-2019-00805.
doi: 10.1038/s41598-018-24832-y.

R. Ivanov et al.
FLASH free-electron laser single-shot temporal diagnostic: terahertz-field-driven streaking.
Journal of synchrotron radiation, 25(1):1, and PUBDB-2017-11726.
doi: 10.1107/S160057751701253X.

H. Iwasawa et al.
Surface termination and electronic reconstruction in $YBa_2Cu_3O_{7-\delta}$.
Physical review / B, 98(8):081112, and PUBDB-2019-00194.
doi: 10.1103/PhysRevB.98.081112.

R. M. Jay et al.
Disentangling Transient Charge Density and Metal–Ligand Covalency in Photoexcited Ferricyanide with Femtosecond Resonant Inelastic Soft X-ray Scattering.
The journal of physical chemistry letters, 9(12):3538, and PUBDB-2018-05889.
doi: 10.1021/acs.jpclett.8b01429.

I. Jonane et al.
Probing the Thermochromic Phase Transition in $CuMoO_4$ by EXAFS Spectroscopy.
Physica status solidi / B, 255:1800074, and PUBDB-2018-02329.
doi: 10.1002/pssb.201800074.

I. Jonane et al.
X-ray absorption near edge spectroscopy of thermochromic phase transition in $CuMoO_4$.
Low temperature physics, 44:434, and PUBDB-2018-01590.
doi: 10.1063/1.5034155.

H. O. Jönsson et al.
FreeDam – A webtool for free-electron laser-induced damage in femtosecond X-ray crystallography.
High energy density physics, 26:93, and PUBDB-2018-01790.
doi: 10.1016/j.hedp.2018.02.004.

P. Jóvári et al.
Short range order of $As_{40-x}Cu_xTe_{60}$ glasses.
Journal of non-crystalline solids, 481:202, and PUBDB-2019-00836.
doi: 10.1016/j.jnoncrysol.2017.10.046.

P. Juranic et al.
SwissFEL Aramis beamline photon diagnostics.
Journal of synchrotron radiation, 25(4):1238, and PUBDB-2019-00091.
doi: 10.1107/S1600577518005775.

M. Kahnt et al.
Simultaneous Hard X-ray Ptychographic Tomography and X-ray Fluorescence Tomography of Isolated Hollow Core-Shell GaN Rods.
S2. 14th international conference on X-ray microscopy, Saskatoon (Canada), 19 Aug 2018 - 24 Aug 2018.
Cambridge University Press, New York, NY.
doi: 10.1017/S143192761801259X.

J. Kalt et al.
Lattice dynamics of epitaxial strain-free interfaces.
Physical review / B, 98(12):121409, and PUBDB-2018-03762.
doi: 10.1103/PhysRevB.98.121409.

A. Kamasah et al.
Imaging the inelastic scattering of vibrationally excited NO ($v = 1$) with Ar.
Chemical physics letters, 692:124, and PUBDB-2018-00288.
doi: 10.1016/j.cplett.2017.12.016.

D. Karlsson et al.
Structure and Hydrogenation Properties of a HfNbTiVZr High-Entropy Alloy.
Inorganic chemistry, 57(4):2103, and PUBDB-2018-01453.
doi: 10.1021/acs.inorgchem.7b03004.

S. Kazandjian et al.
Frustrated Coulomb explosion of small helium clusters.
Physical review / A covering atomic, molecular, and optical physics and quantum information, 98(5):050701, and PUBDB-2019-00336.
doi: 10.1103/PhysRevA.98.050701.

T. Kenkmann et al.
Experimental impact cratering: A summary of the major results of the MEMIN research unit.
Meteoritics & planetary science, 53(8):1543, and PUBDB-2018-02740.
doi: 10.1111/maps.13048.

B. Ketelsen et al.
Fabrication of Strain Gauges via Contact Printing: A Simple Route to Healthcare Sensors Based on Cross-Linked Gold Nanoparticles.
ACS applied materials & interfaces, 10(43):37374, and PUBDB-2019-00278.
doi: 10.1021/acsami.8b12057.

D. Ketenoglu et al.
X-ray Raman spectroscopy of lithium-ion battery electrolyte solutions in a flow cell.
Journal of synchrotron radiation, 25(2):537, and PUBDB-2018-01340.
doi: 10.1107/S1600577518001662.

T. Kierspel et al.
Photophysics of indole upon X-ray absorption.
Physical chemistry, chemical physics, 20:20205, and PUBDB-2018-02722.
doi: 10.1039/C8CP00936H.

A. Kilaj et al.
Observation of different reactivities of para and ortho-water towards trapped diazenylium ions.
Nature Communications, 9(1):2096, and PUBDB-2018-02134, arXiv:1804.05925.
doi: 10.1038/s41467-018-04483-3.

D. Kim et al.
Active site localization of methane oxidation on Pt nanocrystals.
Nature Communications, 9:3422, and PUBDB-2018-03330.
doi: 10.1038/s41467-018-05464-2.

B. Kintzel et al.
Molecular electronic spin qubits from a spin-frustrated trinuclear copper complex.
Chemical communications, 54(92):12934, and PUBDB-2019-00021.
doi: 10.1039/C8CC06741D.

E. S. Kiseeva et al.
Oxidized iron in garnets from the mantle transition zone.
Nature geoscience, 11(2):144, and PUBDB-2019-00242.
doi: 10.1038/s41561-017-0055-7.

K. S. Kjær et al.
Solvent control of charge transfer excited state relaxation pathways in $[\mathrm{Fe}(2,2'-\mathrm{bipyridine})(\mathrm{CN})_4]^{2-}$.
Physical chemistry, chemical physics, 20(6):4238, and PUBDB-2019-00394.
doi: 10.1039/C7CP07838B.

S. Klumpp et al.
Photoabsorption of the molecular IH cation at the iodine 3d absorption edge.
Physical review / A, 97(3):033401, and PUBDB-2018-01072.
doi: 10.1103/PhysRevA.97.033401.

P. Kontis et al.
Nano-laminated thin film metallic glass design for outstanding mechanical properties.
Scripta materialia, 155:73, and PUBDB-2018-02339.
doi: 10.1016/j.scriptamat.2018.06.015.

J. Koralek et al.
Generation and characterization of ultrathin free-flowing liquid sheets.
Nature Communications, 9(1):1353, and PUBDB-2018-04106.
doi: 10.1038/s41467-018-03696-w.

J. Kousal et al.
Magnetron-sputtered copper nanoparticles: lost in gas aggregation and found by in situ X-ray scattering.
Nanoscale, 10(38):18275, and PUBDB-2018-03802.
doi: 10.1039/C8NR06155F.

S. Kovalev et al.
Selective THz control of magnetic order: new opportunities from superradiant undulator sources.
Journal of physics / D, 51(11):114007, and PUBDB-2019-00292.
doi: 10.1088/1361-6463/aaac75.

D. Kozlenko et al.
Pressure-induced modifications of the magnetic order in the spin-chain compound $\mathrm{Ca_3Co_2O_6}$.
Physical review / B, 98(13):134435, and PUBDB-2018-03875.
doi: 10.1103/PhysRevB.98.134435.

A. Krin et al.
Structure Determination, Conformational Flexibility, Internal Dynamics, and Chiral Analysis of Pulegone and Its Complex with Water.
Chemistry - a European journal, 24(3):721, and PUBDB-2019-00342.
doi: 10.1002/chem.201704644.

T. Kroh et al.
Enhanced high-harmonic generation up to the soft X-ray region driven by mid-infrared pulses mixed with their third harmonic.
Optics express, 26(13):16955, and PUBDB-2018-02318.
doi: 10.1364/OE.26.016955.

T. Kroll et al.
Stimulated X-Ray Emission Spectroscopy in Transition Metal Complexes.
Physical review letters, 120(13):133203, and PUBDB-2019-00874.
doi: 10.1103/PhysRevLett.120.133203.

E. Kueny et al.
Wavefront analysis of a white-light supercontinuum.
Optics express, 26(24):31299, and PUBDB-2018-04381.
doi: 10.1364/OE.26.031299.

E. Kulik et al.
Thermal expansion of coesite determined by synchrotron powder X-ray diffraction.
Physics and chemistry of minerals, 45(9):873, and PUBDB-2019-00402.
doi: 10.1007/s00269-018-0969-7.

Y. Kumagai et al.
Radiation-Induced Chemical Dynamics in Ar Clusters Exposed to Strong X-Ray Pulses.
Physical review letters, 120(22):223201, and PUBDB-2018-02173.
doi: 10.1103/PhysRevLett.120.223201.

C.-T. Kuo et al.
Atomic-layer-resolved composition and electronic structure of the cuprate $\mathrm{Bi_2Sr_2CaCu_2O_{8+\delta}}$ **from soft x-ray standing-wave photoemission**.
Physical review / B, 98(15):155133, and PUBDB-2019-00315.
doi: 10.1103/PhysRevB.98.155133.

O. Kuschel et al.
Impact of Strain and Morphology on Magnetic Properties of $\mathrm{Fe_3O_4/NiO}$ **Bilayers Grown on** $\mathrm{Nb:SrTiO_3}$**(001) and MgO(001)**.
Materials, 11(7):1122, and PUBDB-2019-00232.
doi: 10.3390/ma11071122.

M. Lara-Astiaso et al.
Attosecond Pump–Probe Spectroscopy of Charge Dynamics in Tryptophan.
The journal of physical chemistry letters, 9(16):4570, and PUBDB-2018-03687.
doi: 10.1021/acs.jpclett.8b01786.

S. Lazarev et al.
Structural Changes in a Single GaN Nanowire under Applied Voltage Bias.
Nano letters, 18(9):5446, and PUBDB-2019-00086.
doi: 10.1021/acs.nanolett.8b01802.

Z. W. Lebens-Higgins et al.
Evolution of the Electrode–Electrolyte Interface of $\mathrm{LiNi_{0.8}Co_{0.15}Al_{0.05}O_2}$ **Electrodes Due to Electrochemical and Thermal Stress**.
Chemistry of materials, 30(3):958, and PUBDB-2019-00178.
doi: 10.1021/acs.chemmater.7b04782.

D. B. Lee et al.
Author Correction: Supersaturation-controlled microcrystallization and visualization analysis for serial femtosecond crystallography.
Scientific reports, 8(1):6346, and PUBDB-2019-00079.
doi: 10.1038/s41598-018-24178-5.

D. B. Lee et al.
Supersaturation-controlled microcrystallization and visualization analysis for serial femtosecond crystallography.
Scientific reports, 8(1):2541, and PUBDB-2018-01143.
doi: 10.1038/s41598-018-20899-9.

F. Lehmkühler et al.
Dynamics of soft nanoparticle suspensions at hard X-ray FEL sources below the radiation damage threshold.
IUCrJ, 5(6):801, and PUBDB-2018-03613.
doi: 10.1107/S2052252518013696.

F. Lehmkühler et al.
Heterogeneous local order in self-assembled nanoparticle films revealed by X-ray Cross Corelation.
IUCrJ, 5(3):354, and PUBDB-2018-01633.
doi: 10.1107/S2052252518005407.

T. Leitner et al.
Time-resolved electron spectroscopy for chemical analysis of photodissociation: Photoelectron spectra of $Fe(CO)_5$, $Fe(CO)_4$, and $Fe(CO)_3$.
The journal of chemical physics, 149(4):044307, and PUBDB-2018-04105.
doi: 10.1063/1.5035149.

E. Lemmens et al.
The impact of steeping, germination and hydrothermal processing of wheat (Triticum aestivum L.) grains on phytate hydrolysis and the distribution, speciation and bio-accessibility of iron and zinc elements.
Food chemistry, 264:367, and PUBDB-2018-01982.
doi: 10.1016/j.foodchem.2018.04.125.

C. Leroy et al.
Bonding of xenon to oxygen in magmas at depth.
Earth and planetary science letters, 484:103, and PUBDB-2017-14051.
doi: 10.1016/j.epsl.2017.12.019.

L. Li et al.
Method for direct observation of Bloch oscillations in semiconductors.
Optics express, 26(18):23844, and PUBDB-2018-05913.
doi: 10.1364/OE.26.023844.

Z. Li et al.
Radiation damage free ghost diffraction with atomic resolution.
Journal of physics / B, 51(2):025503, and PUBDB-2017-14028.
doi: 10.1088/1361-6455/aa9737.

C. Lidig et al.
Signature of a highly spin polarized resonance state at $Co_2MnSi(0\,0\,1)/Ag(0\,0\,1)$ interfaces.
Journal of physics / D Applied physics D, 51(13):135307, and PUBDB-2018-03830.
doi: 10.1088/1361-6463/aab1cf.

G. Liu et al.
Robust 700 MHz mode-locked Yb:fiber laser with a biased nonlinear amplifying loop mirror.
Optics express, 26(20):26003, and PUBDB-2018-03582.
doi: 10.1364/OE.26.026003.

J. Liu, M. Schwartzkopf and A. Arner.
Rigor bonds cause reduced sarcomeric volume in skinned porcine skeletal muscle under PSE-like conditions.
Meat science, 139:91, and PUBDB-2018-02248.
doi: 10.1016/j.meatsci.2018.01.014.

Y. Liu et al.
High-accuracy wavefront sensing for x-ray free electron lasers.
Optica, 5(8):967, and PUBDB-2018-02772.
doi: 10.1364/OPTICA.5.000967.

L. Loetgering et al.
Correction of axial position uncertainty and systematic detector errors in ptychographic diffraction imaging.
Optical engineering, 57(08):084106, and PUBDB-2019-00321.
doi: 10.1117/1.OE.57.8.084106.

M. Lucchini et al.
Few-femtosecond extreme-ultraviolet pulses fully reconstructed by a ptychographic technique.
Optics express, 26(6):6771, and PUBDB-2019-00082.
doi: 10.1364/OE.26.006771.

I. V. Lundholm et al.
Considerations for three-dimensional image reconstruction from experimental data in coherent diffractive imaging.
IUCrJ, 5(5):531, and PUBDB-2019-00074.
doi: 10.1107/S2052252518010047.

Q. Luo et al.
Local-structure change rendered by electronic localization-delocalization transition in cerium-based metallic glasses.
Physical review / B, 97(6):064104, and PUBDB-2019-00291.
doi: 10.1103/PhysRevB.97.064104.

K. P. Madhuri et al.
Influence of Iodine Doping on the Structure, Morphology, and Physical Properties of Manganese Phthalocyanine Thin Films.
The journal of physical chemistry / A, 122(49):28075, and PUBDB-2018-05476.
doi: 10.1021/acs.jpcc.8b08205.

S. Mahana et al.
Role of local structural distortion in driving ferroelectricity in $GdCrO_3$.
Physical review / B, 97(22):224107, and PUBDB-2018-04783.
doi: 10.1103/PhysRevB.97.224107.

S. K. Mahatha et al.
Quasi-free-standing single-layer WS_2 achieved by intercalation.
Physical review materials, 2(12):124001, and PUBDB-2019-00262.
doi: 10.1103/PhysRevMaterials.2.124001.

S. Majid et al.
Insulator-metal transitions in the T phase Cr doped and $M1$ phase undoped VO_2 thin films.
Physical review / B, 98:075152, and PUBDB-2018-03332.
doi: 10.1103/PhysRevB.98.075152.

I. Makhotkin et al.
Damage accumulation in thin ruthenium films induced by repetitive exposure to femtosecond XUV pulses below the single-shot ablation threshold.
Journal of the Optical Society of America / B, 35(11):2799, and PUBDB-2018-04481.
doi: 10.1364/JOSAB.35.002799.

I. Makhotkin et al.
Experimental study of EUV mirror radiation damage resistance under long-term free-electron laser exposures below the single-shot damage threshold.
Journal of synchrotron radiation, 25(1):77, and PUBDB-2017-14060.
doi: 10.1107/S1600577517017362.

B. P. Mant et al.
ExoMol molecular line lists - XXVII: spectra of C2H4.
Monthly notices of the Royal Astronomical Society, 478(3):3220, and PUBDB-2018-02006.
doi: 10.1093/mnras/sty1239.

T. Marchenko et al.
Ultrafast nuclear dynamics in the doubly-core-ionized water molecule observed via Auger spectroscopy.
Physical review / A, 98(6):063403, and PUBDB-2018-05211.
doi: 10.1103/PhysRevA.98.063403.

H. Marquardt et al.
Elastic Softening of $(Mg_{0.8}Fe_{0.2})O$ Ferropericlase Across the Iron Spin Crossover Measured at Seismic Frequencies.
Geophysical research letters, 45(14):6862, and PUBDB-2018-02650.
doi: 10.1029/2018GL077982.

N. Martin et al.
Structure–function relationship during CO_2 methanation over Rh/Al_2O_3 and Rh/SiO_2 catalysts under atmospheric pressure conditions.
Catalysis science & technology, 8(10):2686, and PUBDB-2019-00202.
doi: 10.1039/C8CY00516H.

J. Maser et al.
Design Concept for the In Situ Nanoprobe Beamline for the APS Upgrade.
S2. X-Ray Microscopy 2018, Saskatoon (Canada), 19 Aug 2018 - 24 Aug 2018.
Cambridge University Press, New York, NY.
doi: 10.1017/S1431927618013314.

J. McNeur et al.
Elements of a dielectric laser accelerator.
Optica, 5(6):687, and PUBDB-2018-04732.
doi: 10.1364/OPTICA.5.000687.

K. Mecseki et al.
Hard X-ray induced fast secondary electron cascading processes in solids.
Applied physics letters, 113(11):114102, and PUBDB-2018-03517.
doi: 10.1063/1.5046070.

A. Mhamdi et al.
Breakdown of the Spectator Concept in Low-Electron-Energy Resonant Decay Processes.
Physical review letters, 121(24):243002, and PUBDB-2019-00775.
doi: 10.1103/PhysRevLett.121.243002.

P. Miedema and M. Beye.
Total 3s emission Yield as Bulk-Sensitive Probe for a True Soft X-ray Absorption Spectrum?
The journal of physical chemistry letters, 9:2579, and PUBDB-2018-01928.
doi: 10.1021/acs.jpclett.8b00720.

I. Milov et al.
Mechanism of single-shot damage of Ru thin films irradiated by femtosecond extreme UV free-electron laser.
Optics express, 26(15):19665, and PUBDB-2018-03672.
doi: 10.1364/OE.26.019665.

I. Milov et al.
Modeling of XUV-induced damage in Ru films: the role of model parameters.
Journal of the Optical Society of America / B, 35(10):B43, and PUBDB-2018-03673.
doi: 10.1364/JOSAB.35.000B43.

P. K. Mishra et al.
Prospects of Using High-Intensity THz Pulses To Induce Ultrafast Temperature-Jumps in Liquid Water.
The journal of physical chemistry / A, 122(23):5211, and PUBDB-2018-02269.
doi: 10.1021/acs.jpca.8b00828.

N. Mittal et al.
Multiscale Control of Nanocellulose Assembly: Transferring Remarkable Nanoscale Fibril Mechanics to Macroscale Fibers.
ACS nano, 12(7):6378, and PUBDB-2019-00280.
doi: 10.1021/acsnano.8b01084.

L. Monico et al.
Role of relative humidity and Cd/Zn stoichiometry in the photo-oxidation process of cadmium yellows $(CdS/Cd_{1-x}Zn_xS)$ in oil paintings.
Chemistry - a European journal, 24(45):11584, and PUBDB-2018-02215.
doi: 10.1002/chem.201801503.

A. Mueller et al.
Near-K -edge single, double, and triple photoionization of C^+ ions.
Physical review / A, 97(1):013409, and PUBDB-2018-00674.
doi: 10.1103/PhysRevA.97.013409.

A. Mueller et al.
Near-K-Edge Double and Triple Detachment of the F^- Negative Ion: Observation of Direct Two-Electron Ejection by a Single Photon.
Physical review letters, 120(13):133202, and PUBDB-2018-01592.
doi: 10.1103/PhysRevLett.120.133202.

A. Mueller et al.
Photoionization of metastable heliumlike $C^{4+}(1s2s\ ^3S_1)$ ions: Precision study of intermediate doubly excited states.
Physical review / A, 98(3):033416, and PUBDB-2018-03783.
doi: 10.1103/PhysRevA.98.033416.

L. Mueller et al.
Note: Soft X-ray transmission polarizer based on ferromagnetic thin films.
Review of scientific instruments, 89(3):036103, and PUBDB-2018-01437.
doi: 10.1063/1.5018396.

M. J. Mühlbauer et al.
Probing chemical heterogeneity of Li-ion batteries by in operando high energy X-ray diffraction radiography.
Journal of power sources, 403:49, and PUBDB-2018-03868.
doi: 10.1016/j.jpowsour.2018.09.035.

S. Mukherjee et al.
Nature of the charge carriers in $LaAlO_3 - SrTiO_3$ oxide heterostructures probed using hard X-ray photoelectron spectroscopy.
epl, 123(4):47003, and PUBDB-2018-04306.
doi: 10.1209/0295-5075/123/47003.

A. Nack et al.
Hindered nematic alignment of hematite spindles in poly(N-isopropylacrylamide) hydrogels: a small-angle X-ray scattering and rheology study.
Journal of applied crystallography, 51(1):87, and PUBDB-2019-00765.
doi: 10.1107/S1600576717017411.

M. Nakayama et al.
Orbital-selective metal-insulator transition lifting the t_{2g} band hybridization in the Hund metal $Sr_3(Ru_{1-x}Mn_x)_2O_7$.
Physical review / B, 98(16):161102, and PUBDB-2019-00191.
doi: 10.1103/PhysRevB.98.161102.

M. Naumova et al.
Structural dynamics upon photoexcitation-induced charge transfer in a dicopper($_I$)–disulfide complex.
Physical chemistry, chemical physics, 20(9):6274, and PUBDB-2018-02210.
doi: 10.1039/C7CP04880G.

J.-D. Nicolas et al.
The optical stretcher as a tool for single-particle X-ray imaging and diffraction.
Journal of synchrotron radiation, 25(4):1196, and PUBDB-2019-00742.
doi: 10.1107/S1600577518006574.

S. Nijem et al.
Bimetallic Pt–Re Nanoporous Networks: Synthesis, Characterization, and Catalytic Reactivity.
The journal of physical chemistry / C, 122(43):24801, and PUBDB-2018-05707.
doi: 10.1021/acs.jpcc.8b07863.

H. Noei et al.
Monitoring the Interaction of CO with Graphene Supported Ir Clusters by Vibrational Spectroscopy and Density Functional Theory Calculations.
The journal of physical chemistry / C, 122(8):4281, and PUBDB-2018-01642.
doi: 10.1021/acs.jpcc.7b10845.

P. Nogly et al.
Retinal isomerization in bacteriorhodopsin captured by a femtosecond x-ray laser.
Science, 361(6398):eaat0094, and PUBDB-2018-05837.
doi: 10.1126/science.aat0094.

O. Novák et al.
Femtosecond 85µm source based on intrapulse difference-frequency generation of 21μm pulses.
Optics letters, 43(6):1335, and PUBDB-2018-01486.
doi: 10.1364/OL.43.001335.

M. Núñez Valdez et al.
Evidence for a pressure-induced spin transition in olivine-type $LiFePO_4$ triphylite.
Physical review / B, 97(18):184405, and PUBDB-2018-02315.
doi: 10.1103/PhysRevB.97.184405.

D. Oberthür.
Biological single-particle imaging using XFELs – towards the next resolution revolution.
IUCrJ, 5(6):663, and PUBDB-2018-04825.
doi: 10.1107/S2052252518015129.

W. Ohm et al.
Morphological properties of airbrush spray-deposited enzymatic cellulose thin films.
Journal of coatings technology, 15(4):759, and PUBDB-2018-05817.
doi: 10.1007/s11998-018-0089-9.

M. P. Olbinado et al.
Advances in indirect detector systems for ultra high-speed hard X-ray imaging with synchrotron light.
Journal of Instrumentation, 13(04):C04004, and PUBDB-2019-00070.
doi: 10.1088/1748-0221/13/04/C04004.

J. L. Olmos et al.
Enzyme intermediates captured "on the fly" by mix-and-inject serial crystallography.
BMC biology, 16(1):59, and PUBDB-2018-02164.
doi: 10.1186/s12915-018-0524-5.

J. Onvlee et al.
Energy dependent parity-pair behavior in NO + He collisions.
The journal of chemical physics, 149(8):084306, and PUBDB-2018-03174.
doi: 10.1063/1.5042074.

N. L. Opara et al.
Demonstration of femtosecond X-ray pump X-ray probe diffraction on protein crystals.
Structural dynamics, 5(5):054303, and PUBDB-2018-03749.
doi: 10.1063/1.5050618.

T. Osipov et al.
The LAMP instrument at the Linac Coherent Light Source free-electron laser.
Review of scientific instruments, 89(3):035112, and PUBDB-2019-00069.
doi: 10.1063/1.5017727.

C. Östlin et al.
Reproducibility of single protein explosions induced by X-ray lasers.
Physical chemistry, chemical physics, 20(18):12381, and PUBDB-2019-00083.
doi: 10.1039/C7CP07267H.

S. Ovsyannikov et al.
Pressure tuning of charge ordering in iron oxide.
Nature Communications, 9(1):4142, and PUBDB-2019-00766.
doi: 10.1038/s41467-018-06457-x.

A. Owens and A. Yachmenev.
RichMol: A general variational approach for rovibrational molecular dynamics in external electric fields.
The journal of chemical physics, 148(12):124102, and PUBDB-2018-01536.
doi: 10.1063/1.5023874.

A. Owens, A. Yachmenev and J. Küpper.
Coherent Control of the Rotation Axis of Molecular Superrotors.
The journal of physical chemistry letters, 9(15):4206, and PUBDB-2018-02606.
doi: 10.1021/acs.jpclett.8b01689.

A. Owens, S. N. Yurchenko and V. Špirko.
Anomalous phosphine sensitivity coefficients as probes for a possible variation of the proton-to-electron mass ratio.
Monthly notices of the Royal Astronomical Society, 473(4):4986, and PUBDB-2019-00080.
doi: 10.1093/mnras/stx2696.

A. Owens et al.
Climbing the Rotational Ladder to Chirality.
Physical review letters, 121(19):193201, and PUBDB-2018-04422.
doi: 10.1103/PhysRevLett.121.193201.

A. Owens et al.
ExoMol line lists – XXIX. Therotation-vibration spectrum of methyl chloride up to 1200K.
Monthly notices of the Royal Astronomical Society, 479(3):3002, and PUBDB-2018-02643.
doi: 10.1093/mnras/sty1542.

A. Owens et al.
The rotation–vibration spectrum of methyl fluoride from first principles.
Physical chemistry, chemical physics, 21:3496, and PUBDB-2018-02644.
doi: 10.1039/C8CP01721B.

D. Pennicard et al.
LAMBDA 2M GaAs—A multi-megapixel hard X-ray detector for synchrotrons.
Journal of Instrumentation, 13(01):C01026, and PUBDB-2018-01797.
doi: 10.1088/1748-0221/13/01/C01026.

F. Perakis et al.
Coherent X-rays reveal the influence of cage effects on ultrafast water dynamics.
Nature Communications, 9(1):1917, and PUBDB-2018-01959.
doi: 10.1038/s41467-018-04330-5.

C. Perez Cuadrado et al.
Isomerism of the Aniline Trimer.
Angewandte Chemie / International edition, 57(46):15112, and PUBDB-2019-00279.
doi: 10.1002/anie.201808602.

C. Pérez et al.
State-Specific Enrichment of Chiral Conformers with Microwave Spectroscopy.
The journal of physical chemistry letters, 9(16):4539, and PUBDB-2019-00792.
doi: 10.1021/acs.jpclett.8b01815.

F. Pfaff et al.
Raman and fluorescence contributions to the resonant inelastic soft x-ray scattering on $LaAlO_3/SrTiO_3$ heterostructures.
Physical review / B, 97(3):035110, and PUBDB-2018-00717.
doi: 10.1103/PhysRevB.97.035110.

S. Pfeiffer et al.
Precision Feedback Control of a Normal Conducting Standing Wave Resonator Cavity.
Physical review accelerators and beams, 21(9):092802, and PUBDB-2018-03460.
doi: 10.1103/PhysRevAccelBeams.21.092802.

N. Pienack et al.
In situ Monitoring of the Formation of [Bis(acetylacetonato)manganese(II)] Complexes.
Zeitschrift für anorganische und allgemeine Chemie, 644(24):1902, and PUBDB-2018-05934.
doi: 10.1002/zaac.201800392.

L. Poletto et al.
Double-grating monochromatic beamline with ultrafast response for FLASH2 at DESY.
Journal of synchrotron radiation, 25(1):131, and PUBDB-2018-04108.
doi: 10.1107/S1600577517013777.

N. Pontius et al.
Probing the non-equilibrium transient state in magnetite by a jitter-free two-color X-ray pump and X-ray probe experiment.
Structural dynamics, 5(5):054501, and PUBDB-2018-03641.
doi: 10.1063/1.5042847.

D. Popmintchev et al.
Near- and Extended-Edge X-Ray-Absorption Fine-Structure Spectroscopy Using Ultrafast Coherent High-Order Harmonic Supercontinua.
Physical review letters, 120(9):093002, and PUBDB-2018-01375.
doi: 10.1103/PhysRevLett.120.093002.

D. Popova-Gorelova, D. A. Reis and R. Santra.
Theory of x-ray scattering from laser-driven electronic systems.
Physical review / B, 98(22):224302, and PUBDB-2018-05209.
doi: 10.1103/PhysRevB.98.224302.

M. Prasciolu and S. Bajt.
On the Properties of WC/SiC Multilayers.
Applied Sciences, 8(4):571, and PUBDB-2019-00183.
doi: 10.3390/app8040571.

E. Principi et al.
Extreme ultraviolet probing of nonequilibrium dynamics in high energy density germanium.
Physical review / B, 97(17):174107, and PUBDB-2019-00171.
doi: 10.1103/PhysRevB.97.174107.

A. Prudnikava et al.
Toward Optimization of Centrifugal Barrel Polishing P rocedure for Treatment of Niobium Cavities.
IEEE transactions on applied superconductivity, 28(4):1, and PUBDB-2018-01634.
doi: 10.1109/TASC.2018.2791641.

M. Rahn et al.
Coupling of magnetic order and charge transport in the candidate Dirac semimetal $EuCd_2As_2$.
Physical review / B, 97(21):214422, and PUBDB-2018-02395.
doi: 10.1103/PhysRevB.97.214422.

R. Rameshan et al.
Role of Precursor Carbides for Graphene Growth on Ni(111).
Scientific reports, 8(1):2662, and PUBDB-2018-01641.
doi: 10.1038/s41598-018-20777-4.

M. M. Ramin Moayed et al.
High-Performance n- and p-Type Field-Effect Transistors Based on Hybridly Surface-Passivated Colloidal PbS Nanosheets.
Advanced functional materials, 28(19):1706815, and PUBDB-2018-01643.
doi: 10.1002/adfm.201706815.

V. Räntzsch et al.
Polymer Crystallization Studied by Hyphenated Rheology Techniques: RheoNMR, RheoSAXS, and RheoMicroscopy.
Macromolecular materials and engineering, 304(2):1800586, and PUBDB-2018-05545.
doi: 10.1002/mame.201800586.

J. Reinhardt and C. G. Schroer.
Quantitative ptychographic reconstruction by applying a probe constraint.
Journal of Instrumentation, 13(04):C04016, and PUBDB-2018-02506.
doi: 10.1088/1748-0221/13/04/C04016.

J. Reinhardt et al.
Hard X-ray Resonant Ptychography for Chemical Imaging at the Sensitivity Limit.
S2. 14th International Conference on X-ray Microscopy, Saskatoon (Canada), 19 Aug 2018 - 24 Aug 2018.
Cambridge University Press, New York, NY.
doi: 10.1017/S1431927618012564.

C. Richter et al.
Picometer polar atomic displacements in strontium titanate determined by resonant X-ray diffraction.
Nature Communications, 9(1):178, and PUBDB-2018-01352.
doi: 10.1038/s41467-017-02599-6.

J. M. Riley et al.
Crossover from lattice to plasmonic polarons of a spin-polarised electron gas in ferromagnetic EuO.
Nature Communications, 9(1):2305, and PUBDB-2019-00166.
doi: 10.1038/s41467-018-04749-w.

J. Roemer et al.
X-ray study of anisotropically shaped metal halide perovskite nanoparticles in tubular pores.
Applied physics letters, 113(25):251901, and PUBDB-2018-05882.
doi: 10.1063/1.5054271.

S. Rohlf et al.
Light-Induced Spin Crossover in an Fe(II) Low-Spin Complex Enabled by Surface Adsorption.
The journal of physical chemistry letters, 9(7):1491, and PUBDB-2018-03763.
doi: 10.1021/acs.jpclett.8b00338.

D. Rolles et al.
An Experimental Protocol for Femtosecond NIR/UV - XUV Pump-Probe Experiments with Free-Electron Lasers.
JoVE, 140:e57055, and PUBDB-2018-03930.
doi: 10.3791/57055.

S. M. Rosa Domingos, C. Pérez and M. Schnell.
Sensing Chirality with Rotational Spectroscopy.
Annual review of physical chemistry, 69(1):499, and PUBDB-2019-00790.
doi: 10.1146/annurev-physchem-052516-050629.

M. Rose et al.
Quantitative ptychographic bio-imaging in the water window.
Optics express, 26(2):1237, and PUBDB-2018-00468.
doi: 10.1364/OE.26.001237.

M. Rose et al.
Single-particle imaging without symmetry constraints at an X-ray free-electron laser.
IUCrJ, 5(6):727, and PUBDB-2018-03083.
doi: 10.1107/S205225251801120X.

W. Roseker et al.
Towards ultrafast dynamics with split-pulse X-ray photon correlation spectroscopy at free electron laser sources.
Nature Communications, 9(1):1704, and PUBDB-2018-01732.
doi: 10.1038/s41467-018-04178-9.

T. Rosén et al.
Three-Dimensional Orientation of Nanofibrils in Axially Symmetric Systems Using Small-Angle X-ray Scattering.
The journal of physical chemistry / C, 122(12):6889, and PUBDB-2019-00260.
doi: 10.1021/acs.jpcc.7b11105.

K. Rossnagel.
More than electrons.
Nature materials, 17(8):658, and PUBDB-2018-05746.
doi: 10.1038/s41563-018-0131-4.

F. Roth et al.
Angle resolved Photoemission from Ag and Au single crystals: Final state lifetimes in the attosecond range.
Journal of electron spectroscopy and related phenomena, 224:84, and PUBDB-2019-00068.
doi: 10.1016/j.elspec.2017.05.008.

N. Roth et al.
Optimizing aerodynamic lenses for single-particle imaging.
Journal of aerosol science, 124:17, and PUBDB-2018-02659, arXiv:1712.01795.
doi: 10.1016/j.jaerosci.2018.06.010.

B. Rudek et al.
Relativistic and resonant effects in the ionization of heavy atoms by ultra-intense hard X-rays.
Nature Communications, 9(1):4200, and PUBDB-2018-03750.
doi: 10.1038/s41467-018-06745-6.

D. Rupp et al.
Publisher Correction: Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source.
Nature Communications, 9(1):302, and PUBDB-2019-00067.
doi: 10.1038/s41467-017-02702-x.

C. G. Ryan et al.
The Maia Detector and Event Mode.
Synchrotron radiation news, 31(6):21, and PUBDB-2018-04522.
doi: 10.1080/08940886.2018.1528430.

L. Sahoo et al.
Self-immobilized Pd nanowires as an excellent platform for a continuous flow reactor: efficiency, stability and regeneration.
Nanoscale, 10(45):21396, and PUBDB-2019-01153.
doi: 10.1039/C8NR06844E.

C. Sanloup et al.
Behaviour of niobium during early Earth's differentiation: insights from its local structure and oxidation state in silicate melts at high pressure.
Journal of physics / Condensed matter, 30(8):084004, and PUBDB-2018-01796.
doi: 10.1088/1361-648X/aaa73e.

M. Sauppe et al.
XUV double-pulses with femtosecond to 650ps separation from a multilayer-mirror-based split-and-delay unit at FLASH.
Journal of synchrotron radiation, 25(5):1517, and PUBDB-2018-03255.
doi: 10.1107/S1600577518006094.

J. Schaefer et al.
Electron and fluorescence spectra of a water molecule irradiated by an x-ray free-electron laser pulse.
Physical review / A, 97(5):053415, and PUBDB-2018-02139.
doi: 10.1103/PhysRevA.97.053415.

M. Schlenk et al.
Parallel and Perpendicular Alignment of Anisotropic Particles in Free Liquid Microjets and Emerging Microdroplets.
Langmuir, 34(16):4843, and PUBDB-2019-00237.
doi: 10.1021/acs.langmuir.8b00062.

C. Schlueter et al.
New HAXPES Applications at PETRA III.
Synchrotron radiation news, 31(4):29, and PUBDB-2019-00912.
doi: 10.1080/08940886.2018.1483656.

B. Schönhense et al.
Multidimensional photoemission spectroscopy—the space-charge limit.
New journal of physics, 20(3):033004, and PUBDB-2018-01787.
doi: 10.1088/1367-2630/aaa262.

R. Schönherr, J. M. Rudolph and L. Redecke.
Protein crystallization in living cells.
Biological chemistry, 399(7):751, and PUBDB-2018-03152.
doi: 10.1515/hsz-2018-0158.

S. Schreck et al.
Atom-specific activation in CO oxidation.
The journal of chemical physics, 149(23):234707, and PUBDB-2019-00078.
doi: 10.1063/1.5044579.

C. G. Schroer et al.
PETRA IV: the ultralow-emittance source project at DESY.
Journal of synchrotron radiation, 25(5):1277, and PUBDB-2018-03245.
doi: 10.1107/S1600577518008858.

M. Schroer et al.
Pressure-Stimulated Supercrystals Formation in Nanoparticle Suspensions.
The journal of physical chemistry letters, 2018(9):4720 − 4724, and PUBDB-2018-02744.
doi: 10.1021/acs.jpclett.8b02145.

A. Schropp et al.
Scanning Hard X-Ray Microscopy Based on Be CRLs.
S2. 14th International Conference on X-ray Microscopy, Saskatoon (Canada), 19 Aug 2018 - 24 Aug 2018.
Cambridge University Press, New York, NY.
doi: 10.1017/S1431927618013284.

P. Schroth et al.
Radial Growth of Self-Catalyzed GaAs Nanowires and the Evolution of the Liquid Ga-Droplet Studied by Time-Resolved in Situ X-ray Diffraction.
Nano letters, 18(1):101, and PUBDB-2018-00633.
doi: 10.1021/acs.nanolett.7b03486.

F. Schulz et al.
Structure and Stability of PEG- and Mixed PEG-Layer-Coated Nanoparticles at High Particle Concentrations Studied In Situ by Small-Angle X-Ray Scattering.
Particle & particle systems characterization, 35(2):1700319, and PUBDB-2017-14145.
doi: 10.1002/ppsc.201700319.

K. Schulze et al.
High-pressure single-crystal structural analysis of $AlSiO_3OH$ phase egg.
American mineralogist, 103(12):1975, and PUBDB-2019-00390.
doi: 10.2138/am-2018-6562.

R. Schuster et al.
Dehydrogenation of Liquid Organic Hydrogen Carriers on Supported Pd Model Catalysts: Carbon Incorporation Under Operation Conditions.
Catalysis letters, 148(9):2901, and PUBDB-2018-03329.
doi: 10.1007/s10562-018-2487-0.

S. Schwabe et al.
Probing the Martensitic Microstructure of Magnetocaloric Heusler Films by Synchrotron Diffraction.
Energy technology, 6(8):1453, and PUBDB-2018-05507.
doi: 10.1002/ente.201800175.

F. Seiboth et al.
Nanofocusing with aberration-corrected rotationally parabolic refractive X-ray lenses.
Journal of synchrotron radiation, 25(1):1, and PUBDB-2017-13609.
doi: 10.1107/S1600577517015272.

F. Seiboth et al.
Simultaneous 8.2keV phase-contrast imaging and 24.6keV X-ray diffraction from shock-compressed matter at the LCLS.
Applied physics letters, 112(22):221907, and PUBDB-2018-02216.
doi: 10.1063/1.5031907.

B. V. Senkovskiy et al.
Boron-Doped Graphene Nanoribbons: Electronic Structure and Raman Fingerprint.
ACS nano, 12(8):7571, and PUBDB-2019-00201.
doi: 10.1021/acsnano.8b04125.

K. Sentker et al.
Quantized Self-Assembly of Discotic Rings in a Liquid Crystal Confined in Nanopores.
Physical review letters, 120(6):067801, and PUBDB-2018-01139.
doi: 10.1103/PhysRevLett.120.067801.

N. N. Sergeeva et al.
A photochemical approach for a fast and self-limited covalent modification of surface supported graphene with photoactive dyes.
Nanotechnology, 29(27):275705, and PUBDB-2018-05438.
doi: 10.1088/1361-6528/aabf11.

C. Seuring et al.
Femtosecond X-ray coherent diffraction of aligned amyloid fibrils on low background graphene.
Nature Communications, 9:1836, and PUBDB-2018-01731.
doi: 10.1038/s41467-018-04116-9.

T. Silva et al.
Unravelling a Mechanism of Action for a Cecropin A-Melittin Hybrid Antimicrobial Peptide: The Induced Formation of Multilamellar Lipid Stacks.
Langmuir, 34(5):2158, and PUBDB-2019-00187.
doi: 10.1021/acs.langmuir.7b03639.

N. Singh et al.
Octave-spanning coherent supercontinuum generation in silicon on insulator from 1.06 µm to beyond 2.4 µm.
Light, 7(1):17131, and PUBDB-2018-00770.
doi: 10.1038/lsa.2017.131.

V. Singh et al.
Optimized cell geometry for buffer-gas-cooled molecular-beam sources.
Physical review / A covering atomic, molecular, and optical physics and quantum information, 97(3):032704, and PUBDB-2018-05701.
doi: 10.1103/PhysRevA.97.032704.

A. D. Smith et al.
Mapping the Complete Reaction Path of a Complex Photochemical Reaction.
Physical review letters, 120(18):183003, and PUBDB-2018-01916, arXiv:1805.02170.
doi: 10.1103/PhysRevLett.120.183003.

M. Stier et al.
Implications of a Temperature-Dependent Magnetic Anisotropy for Superparamagnetic Switching.
Journal of magnetism and magnetic materials, 447:96, and PUBDB-2017-11542.
doi: 10.1016/j.jmmm.2017.09.068.

M. Stueckelberger et al.
Challenges and Opportunities with Highly Brilliant X-ray Sources for multi-Modal in-Situ and Operando Characterization of Solar Cells.
S2. X-Ray Microscopy 2018, Saskatoon (Canada), 19 Aug 2018 - 24 Aug 2018.
Cambridge University Press.
doi: 10.1017/S1431927618014423.

Y. Su et al.
Temperature dependent structural evolution in liquid $Ag_{50}Ga_{50}$ alloy.
Journal of physics / Condensed matter, 30(1):015402, and PUBDB-2017-12560.
doi: 10.1088/1361-648X/aa996c.

M. Sundermann et al.
$4f$ Crystal Field Ground State of the Strongly Correlated Topological Insulator SmB_6.
Physical review letters, 120(1):016402, and PUBDB-2019-00193.
doi: 10.1103/PhysRevLett.120.016402.

L. Surin et al.
Microwave spectra and nuclear quadrupole structure of the NH_3–N_2 van der Waals complex and its deuterated isotopologues.
The journal of chemical physics, 149(22):224305, and PUBDB-2019-00819.
doi: 10.1063/1.5063346.

A. H. Taghvaei et al.
Thermal behavior, structural relaxation and magnetic study of a new Hf-microalloyed Co-based glassy alloy with high thermal stability.
Journal of alloys and compounds, 748:553, and PUBDB-2018-04213.
doi: 10.1016/j.jallcom.2018.03.199.

N. Talat et al.
Development of meshless phase field method for two-phase flow.
International journal of multiphase flow, 108:169, and PUBDB-2018-02378.
doi: 10.1016/j.ijmultiphaseflow.2018.06.003.

N. Talat et al.
Phase field simulation of Rayleigh–Taylor instability with a meshless method.
Engineering analysis with boundary elements, 87:78, and PUBDB-2017-13806.
doi: 10.1016/j.enganabound.2017.11.015.

Y. Tang et al.
Inorganic Ions Assisted the Anisotropic Growth of $CsPbCl_3$ Nanowires with Surface Passivation Effect.
ACS applied materials & interfaces, 10(35):29574, and PUBDB-2019-00272.
doi: 10.1021/acsami.8b09113.

N. Teschmit, D. A. Horke and J. Küpper.
Räumliche Trennung der Konformere eines Dipeptids.
Angewandte Chemie / International edition International edition, 130(42):13971, and PUBDB-2018-04473, arXiv:1805.12396.
doi: 10.1002/ange.201807646.

N. Teschmit, D. A. Horke and J. Küpper.
Spatially Separating the Conformers of a Dipeptide.
Angewandte Chemie / International edition, 57(42):13775, and PUBDB-2018-04186, arXiv:1805.12396.
doi: 10.1002/anie.201807646.

L. V. Thesing et al.
Laser-induced alignment of weakly bound molecular aggregates.
Physical review / A, 98(5):053412, and PUBDB-2018-04760, arXiv:1808.01206.
doi: 10.1103/PhysRevA.98.053412.

Y. Tian et al.
Micromechanics and microstructure evolution during in situ uniaxial tensile loading of TRIP-assisted duplex stainless steels.
Materials science and engineering / B, 734:281, and PUBDB-2018-05899.
doi: 10.1016/j.msea.2018.07.040.

R. Toft-Petersen et al.
Magnetoelastic phase diagram of $TbNi_2B_2C$.
Physical review / B, 97(22):224417, and PUBDB-2018-02336.
doi: 10.1103/PhysRevB.97.224417.

X. Tong et al.
Structural evolution in a metallic glass pillar upon compression.
Materials science and engineering / A, 721:8, and PUBDB-2018-04212.
doi: 10.1016/j.msea.2018.02.050.

S. Trippel et al.
Communication: Strong laser alignment of solvent-solute aggregates in the gas-phase.
The journal of chemical physics, 148(10):101103, and PUBDB-2018-01479.
doi: 10.1063/1.5023645.

S. Trippel et al.
Note: Knife edge skimming for improved separation of molecular species by the deflector.
Review of scientific instruments, 89(9):096110, and PUBDB-2018-04356.
doi: 10.1063/1.5026145.

P. Tzallas et al.
Time gated ion microscopy of light-atom interactions.
Journal of optics, 20(2):024018, and PUBDB-2018-03853.
doi: 10.1088/2040-8986/aaa326.

P. Vagin, A. Schöps and M. Tischer.
Variable Period Undulator with Tunable Polarization.
Synchrotron radiation news, 31(3):48, and PUBDB-2018-05571.
doi: 10.1080/08940886.2018.1460178.

D. M. Vasiukov et al.
Sound velocities of skiagite–iron–majorite solid solution to 56 GPa probed by nuclear inelastic scattering.
Physics and chemistry of minerals, 45(5):397, and PUBDB-2019-00164.
doi: 10.1007/s00269-017-0928-8.

J. Verwohlt et al.
Low Dose X-Ray Speckle Visibility Spectroscopy Reveals Nanoscale Dynamics in Radiation Sensitive Ionic Liquids.
Physical review letters, 120(16):168001, and PUBDB-2018-03851.
doi: 10.1103/PhysRevLett.120.168001.

P. Villanueva Perez, S. Bajt and H. N. Chapman.
Dose efficient Compton X-ray microscopy.
Optica, 5(4):450, and PUBDB-2018-01637.
doi: 10.1364/OPTICA.5.000450.

P. Villanueva-Perez et al.
Hard x-ray multi-projection imaging for single-shot approaches.
Optica, 5(12):1521, and PUBDB-2018-05022.
doi: 10.1364/OPTICA.5.001521.

S. Vogel et al.
Stishovite's Relative: A Post-Coesite Form of Phosphorus Oxonitride.
Angewandte Chemie / International edition, 57(22):6691, and PUBDB-2018-03760.
doi: 10.1002/anie.201803610.

S. Vogel et al.
Stishovite's Relative: A Post-Coesite Form of Phosphorus Oxonitride.
Angewandte Chemie, 130(22):6801, and PUBDB-2019-01886.
doi: 10.1002/ange.201803610.

V. Vonk et al.
Faceting of local droplet-etched nanoholes in AlGaAs.
Physical review materials, 2(10):106001, and PUBDB-2018-03847.
doi: 10.1103/PhysRevMaterials.2.106001.

M. Wahiduzzaman et al.
Rietveld Refinement of MIL-160 and Its Structural Flexibility Upon H_2O and N_2 Adsorption.
European journal of inorganic chemistry, 2018(32):3626, and PUBDB-2018-05937.
doi: 10.1002/ejic.201800323.

M. Waitz et al.
Publisher Correction: Imaging the square of the correlated two-electron wave function of a hydrogen molecule.
Nature Communications, 9(1):2259, and PUBDB-2019-00161.
doi: 10.1038/s41467-018-04740-5.

C. Wan et al.
Coherent frequency division with a degenerate synchronously pumped optical parametric oscillator.
Optics letters, 43(5):1059, and PUBDB-2018-04730.
doi: 10.1364/OL.43.001059.

H. Wang et al.
$Li_2NH - LiBH_4$, a complex hydride with near ambient hydrogen adsorption and fast-lithium ion conduction.
Chemistry - a European journal, 24(6):1342, and PUBDB-2017-13560.
doi: 10.1002/chem.201703910.

K. Wang et al.
Morphology control of low temperature fabricated ZnO nanostructures for transparent active layers in all solid-state dye-sensitized solar cells.
Journal of materials chemistry / A, 6(10):4405, and PUBDB-2018-05820.
doi: 10.1039/C7TA10654H.

K. Wang et al.
Tuning of the Morphology and Optoelectronic Properties of ZnO/P3HT/P3HT- b -PEO Hybrid Films via Spray Deposition Method.
ACS applied materials & interfaces, 10(24):20569, and PUBDB-2019-00168.
doi: 10.1021/acsami.8b05459.

L. Wang et al.
High efficiency terahertz generation in a multi-stage system.
Optics express, 26(23):29744, and PUBDB-2018-03999.
doi: 10.1364/OE.26.029744.

R. Welsch.
Low-Temperature Thermal Rate Constants for the Water Formation Reaction $H_2 + OH$ from Rigorous Quantum Dynamics Calculations.
Angewandte Chemie / International edition, 57(40):13150, and PUBDB-2018-03674.
doi: 10.1002/anie.201807666.

R. Welsch.
Rigorous close-coupling quantum dynamics calculation of thermal rate constants for the water formation reaction of H_2 + OH on a high-level PES.
The journal of chemical physics, 148(20):204304, and PUBDB-2018-02163.
doi: 10.1063/1.5033358.

J. Werner et al.
Shifted equilibria of organic acids and bases in the aqueous surface region.
Physical chemistry, chemical physics, 20(36):23281, and PUBDB-2019-00076.
doi: 10.1039/C8CP01898G.

M. T. Wharmby and N. Stock.
The Influence of Isomerism on Crystallization in Aluminum Pyridinedicarboxylate Coordination Compounds.
Zeitschrift für anorganische und allgemeine Chemie, 644(24):1816, and PUBDB-2018-05938.
doi: 10.1002/zaac.201800353.

M. O. Wiedorn et al.
Megahertz serial crystallography.
Nature Communications, 9(1):4025, and PUBDB-2018-03102.
doi: doi.org/10.1038/s41467-018-06156-7.

M. O. Wiedorn et al.
Rapid Sample Delivery for Megahertz Serial Crystallography at X-ray FELs.
IUCrJ, 5(5):574, and PUBDB-2018-02209.
doi: 10.1107/S2052252518008369.

F. Wittwer et al.
Ptychography with a Virtually Enlarged Illumination.
S2. 14th International Conference on X-ray Microscopy, Saskatoon (Canada), 20 Aug 2018 - 24 Aug 2018.
Cambridge University Press, New York, NY.
doi: 10.1017/S1431927618012667.

J. Wolny et al.
Nuclear inelastic scattering studies of a 1D- polynuclear spin crossover complex of Fe(II) urea-triazoles.
Hyperfine interactions, 239(1):22, and PUBDB-2018-03098.
doi: 10.1007/s10751-018-1496-0.

T. Würger et al.
Adsorption of Acetone on Rutile TiO_2 : A DFT and FTIRS Study.
The journal of physical chemistry / C, 122(34):19481, and PUBDB-2018-03103.
doi: 10.1021/acs.jpcc.8b04222.

P. L. Xavier and A. R. Chandrasekaran.
DNA-based construction at the nanoscale: emerging trends and applications.
Nanotechnology, 29(6):062001, and PUBDB-2018-00385.
doi: 10.1088/1361-6528/aaa120.

S. Xia et al.
Magnetic nanoparticle-containing soft–hard diblock copolymer films with high order.
Nanoscale, 10(25):11930, and PUBDB-2018-05818.
doi: 10.1039/C8NR02760A.

R. Yang et al.
Evaluation of Beam Halo from Beam-Gas Scattering at the KEK Accelerator Test Facility.
Physical review accelerators and beams, 21(5):051001, and PUBDB-2018-04892, arXiv:1803.08458.
doi: 10.1103/PhysRevAccelBeams.21.051001.

H. Ye et al.
Velocity-Map Imaging for Emittance Characterization of Multiphoton Electron Emission from a Gold Surface.
Physical review applied, 9(4):044018, and PUBDB-2018-01720.
doi: 10.1103/PhysRevApplied.9.044018.

Z. Yin et al.
X-ray spectroscopy with variable line spacing based on reflection zone plate optics.
Optics letters, 43(18):4390, and PUBDB-2018-03414.
doi: 10.1364/OL.43.004390.

L. Young et al.
Roadmap of ultrafast x-ray atomic and molecular physics.
Journal of physics / B, 51(3):032003, and PUBDB-2019-00875.
doi: 10.1088/1361-6455/aa9735.

K. V. Yusenko et al.
High-pressure high-temperature tailoring of High Entropy Alloys for extreme environments.
Journal of alloys and compounds, 738:491, and PUBDB-2018-00131.
doi: 10.1016/j.jallcom.2017.12.216.

R. Zahoor, S. Bajt and B. Šarler.
Influence of Gas Dynamic Virtual Nozzle Geometry on Micro-Jet Characteristics.
International journal of multiphase flow, 104:152, and PUBDB-2019-00081.
doi: 10.1016/j.ijmultiphaseflow.2018.03.003.

R. Zahoor et al.
Simulation of liquid micro-jet in free expanding high-speed co-flowing gas streams.
Microfluidics and nanofluidics, 22(8):87, and PUBDB-2018-03078.
doi: 10.1007/s10404-018-2110-0.

P. Zalden et al.
Molecular polarizability anisotropy of liquid water revealed by terahertz-induced transient orientation.
Nature Communications, 9(1):2142, and PUBDB-2018-02152.
doi: 10.1038/s41467-018-04481-5.

I. A. Zaluzhnyy et al.
Evidence of a first-order smectic-hexatic transition and its proximity to a tricritical point in smectic films.
Physical review / E, 98(5):052703, and PUBDB-2019-00094.
doi: 10.1103/PhysRevE.98.052703.

E. Zapolnova et al.
THz pulse doubler at FLASH: double pulses for pump–probe experiments at X-ray FELs.
Journal of synchrotron radiation, 25(1):39, and PUBDB-2017-13262.
doi: 10.1107/S1600577517015442.

U. Zastrau et al.
A sensitive EUV Schwarzschild microscope for plasma studies with sub-micrometer resolution.
Review of scientific instruments, 89(2):023703, and PUBDB-2018-04107.
doi: 10.1063/1.5007950.

K. Zhao et al.
Collapsed tetragonal phase as a strongly covalent and fully nonmagnetic state: Persistent magnetism with interlayer As–As bond formation in Rh-doped $Ca_{0.8}Sr_{0.2}Fe_2As_2$.
Physical review / B, 97(2):020510, and PUBDB-2019-00170.
doi: 10.1103/PhysRevB.97.020510.

K. Zheng et al.
Inter-phase charge and energy transfer in Ruddlesden–Popper 2D perovskites: critical role of the spacing cations.
Journal of materials chemistry / A, 6(15):6244, and PUBDB-2019-00256.
doi: 10.1039/C8TA01518J.

Q. Zhong et al.
Effect of chain architecture on the swelling and thermal response of star-shaped thermo-responsive (poly(methoxy diethylene glycol acrylate)- block -polystyrene)$_3$ block copolymer films.
Soft matter, 14(31):6582, and PUBDB-2018-05816.
doi: 10.1039/C8SM00965A.

G. Zhou et al.
Energy scalable, offset-free ultrafast mid-infrared source harnessing self-phase-modulation-enabled spectral selection.
Optics letters, 43(12):2953, and PUBDB-2018-02266.
doi: 10.1364/OL.43.002953.

B. Ziaja and N. Medvedev.
Multistep transition of diamond to warm dense matter state revealed by femtosecond X-ray diffraction.
Scientific reports, 8:5284, and PUBDB-2018-01521.
doi: 10.1038/s41598-018-23632-8.

A. Ziller et al.
Incorporation of mRNA in Lamellar Lipid Matrices for Parenteral Administration.
Molecular pharmaceutics, 15(2):642, and PUBDB-2019-00207.
doi: 10.1021/acs.molpharmaceut.7b01022.

S. Zinn and M. Schnell.
Flexibility at the Fringes: Conformations of the Steroid Hormone β-Estradiol.
ChemPhysChem, 19(21):2915, and PUBDB-2019-00379.
doi: 10.1002/cphc.201800647.

A. Zozulya et al.
Unravelling the structural rearrangement of polymer colloidal crystals under dry sintering conditions.
Soft matter, 14(33):6849, and PUBDB-2018-03898.
doi: 10.1039/C8SM01412D.

Dissertationen

M. M. Abdullah.
A simulation framework for studying high intensity x-ray induced dynamics and scattering patterns from nanocrystals.
Universität Hamburg, Hamburg, 2018.

B. Arndt.
Atomic Structure and Stability of Magnetite (001).
Universität Hamburg, Hamburg, 2018.

S. Awel.
Optical and aerodynamic focusing of isolated particles for diffractive imaging experiments at X-ray free electron lasers.
Universität Hamburg, Hamburg, 2018.

P. T. Callahan.
Integrated Waveguide Devices for Mode-Locked Lasers.
Massachusetts Institute of Technology, 2018.

B. Chang.
Structural evolution of isotactic-polypropylene under mechanical load: a study by synchrotron X-ray scattering.
TU Dresden, 2018.

M. J. S. Cordeiro.
Gold NanoBeacons for Spectral Codification – Application as a DNA Sensor.
Universidade Nova de Lisboa, 2018.

C. J. Dietl.
Synthesis and Electronic Ordering Phenomena of Calcium Ruthenate Thin Films.
University of Stuttgart, 2018.

H. Dinter.
Longitudinal Diagnostics for Beam-Based Intra Bunch-Train Feedback at FLASH and the European XFEL.
Universität Hamburg, 2018.

J. Haddad.
The Interfacial Structure of Ionic Liquids.
Bar-Ilan University Israel, 2018.

I. Halfpap.
Photoionisation und Photoanregung von freien Siliziumdioxid-Nanopartikeln.
Freie Universität Berlin, 2018.

M. Heuer.
Identification and Control of the Laser-based Synchronization System for the European X-ray Free Electron Laser.
Technische Universität Hamburg, Hamburg, 2018.

S. Kapis.
Structural and biophysical characterization of selected proteins associated with cyclically transmitted parasitic diseases.
University of Hamburg, 2018.

B. Krämer.
Pentaphosphaferrocenes and Silver Salts as Building Blocks in the Self-Assembly of Discrete and Networked Spherical Supramolecules.
University of Regensburg, Regensburg, 2018.

C. Kubitza.
Structural Characterization of Flavin-dependent Monooxygenases from Zonocerus variegatus and the Human Mitochondrial Amidoxime Reducing Component (mARC) – Enzymes involved in Biotransformation.
University of Kiel, 2018.

S. Kukkurainen.
Molecular Dynamics of Talin-Integrin Interaction.
University of Tampere, 2018.

S. Kylarova.
Studium molekulárních mechanismů regulace signálních proteinů.
Charles University Prague, 2018.

T. Mueller.
Processing – Structure – Property Relationships in Selected Iron-Based Nanostructures.
Montanuniversität Leoben, 2018.

C. Neun.
Synthese und Charakterisierung binärer und ternärer Übergangsmetallboride der Periode 6.
Johann Wolfgang Goethe-Universität, 2018.

K. Nyiri.
Structural and functional study of the SaPI$_{bov1}$ *Staphylococcus aureus* pathogenicity island regulator protein.
Budapest University of Technology and Economics, 2018.

S. Ostendorp.
Strukturelle Charakterisierung von drei phloemmobilen Proteinen.
University of Hamburg, 2018.

O. Petrvalska.
Studium mechanismů regulace vybraných proteinkinas.
Charles University Prague, 2018.

K. Ravi.
High field terathertz radiation : Conduits to synchronized hyper spectral systems.
Massachusetts Institute of Technology, 2018.

M. Rehders.
Generation of ultra-short low-charge electron bunches for single-spike SASE radiation at the Free-Electron Laser in Hamburg.
Universität Hamburg, Hamburg, 2018.

P. Rodrigues.
Structural Evolution of Ni-Ti Alloy Wires Produced by Hot and Cold Rotary Forging.
Universidade Nova de Lisboa, Monte de Caparica, Portugal, 2018.

M. Rose.
Coherent X-ray diffractive imaging of biological samples in 2D and 3D with synchrotron and XFEL radiation.
Universität Hamburg, Hamburg, 2018.

T. Seine.
Novel Approaches to the Production & Analysis of Biological Nanomaterials for Serial- Femtosecond X-ray Crystallography.
University of Hamburg, 2018.

D. Sheyfer.
Structure and dynamics of glass-forming fluids.
University of Hamburg, 2018.

A. Smirnov.
Crystallographic studies of carbonic anhydrase isoforms and their complexes with inhibitors.
Vilnius university, Vilnius, Lithuania, 2018.

N. Talat.
Contribution to development of meshless methods for free and moving boundary problem.
University of Nova Gorica (Slovenia), 2018.

N. Teschmit.
Cold Beams of Large Molecules for Structural Dynamics Studies.
Universität Hamburg, Hamburg, 2018.

Valerio.
Structure of complex fluids under shear flows.
Universität Hamburg, Hamburg, 2018.

M. O. Wiedorn.
Advanced sample injection for serial diffraction at free-electron lasers.
Universität Hamburg, Hamburg, 2018.

H. Ye.
Velocity-Map Imaging for Emittance Characterization of Field Emitter Arrays.
Universität Hamburg, Hamburg, 2018.

R. Zahoor.
Simulation of gas focused liquid jets.
University of Nova Gorica (Slovenia), 2018.

X. Zhang.
Macromolecular pHPMA-Based Nanoparticles for Solid Tumor Targeting: Behavior in Protein Environment.
Technische Universität München, 2018.

D. Zimmer.
Strukturelle und physikalische Eigenschaften von Kupfersulfiden bei hohen Drücken und tiefen Temperaturen und elektrische Widerstandsmessungen als Funktion des Drucks.
Johann Wolfgang Goethe-Universität, 2018.

3 | POF3-630 - Materie und Technologie

ISI oder Scopus

H. Abramowicz et al.
Measurement of shower development and its Molière radius with a four-plane LumiCal test set-up.
The European physical journal / C, 78(2):135, and PUBDB-2018-01320, arXiv:1705.03885.
doi: 10.1140/epjc/s10052-018-5611-9.

I. Agapov et al.
Noninterleaved round beam lattice for light sources.
Physical review accelerators and beams, 21(5):051601, and PUBDB-2018-04025.
doi: 10.1103/PhysRevAccelBeams.21.051601.

C. Arran et al.
Reconstructing nonlinear plasma wakefields using a generalized temporally encoded spectral shifting analysis.
Physical review accelerators and beams, 21(10):103501, and PUBDB-2019-00823.
doi: 10.1103/PhysRevAccelBeams.21.103501.

A. Aschikhin et al.
Analytical model for the uncorrelated emittance evolution of externally injected beams in plasma-based accelerators.
Nuclear instruments & methods in physics research / A, 909:414, and PUBDB-2018-05153, arXiv:1802.03968.
doi: 10.1016/j.nima.2018.02.065.

R. Assmann and M. Ferrario.
Editorial.
Nuclear instruments & methods in physics research / A, 909:ix, and PUBDB-2019-00416.
doi: 10.1016/j.nima.2018.05.013.

A. Azima et al.
Direct Measurement of the Pulse Duration and Frequency Chirp of Seeded XUV Free Electron Laser Pulses.
New journal of physics, 20:013010, and PUBDB-2017-12900.
doi: 10.1088/1367-2630/aa9b4c.

J.-C. Brient, R. Rusack and F. Sefkow.
Silicon Calorimeters.
Annual review of nuclear and particle science, 68(1):271, and PUBDB-2018-05853.
doi: 10.1146/annurev-nucl-101917-021053.

Y. L. Chen et al.
Generation of Quasi Continuous-Wave Electron Beams in an L-Band Normal Conducting Pulsed RF injector for Laboratory Astrophysics Experiments.
Nuclear instruments & methods in physics research / A, 903:119, and PUBDB-2018-05131, arXiv:1803.05540.
doi: 10.1016/j.nima.2018.06.063.

Y. L. Chen et al.
Modeling and simulation of RF photoinjectors for coherent light sources.
Nuclear instruments & methods in physics research / A, 889:129, and PUBDB-2018-04907.
doi: 10.1016/j.nima.2018.02.017.

F. Christie et al.
Temporal X-ray Reconstruction Using Temporal and Spectral Measurements.
Journal of physics / Conference Series, 1067(3):032011, and PUBDB-2018-04080.
doi: 10.1088/1742-6596/1067/3/032011.

CMS Tracker Collaboration.
Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector.
Journal of Instrumentation, 13(03):P03003, and PUBDB-2018-01867.
doi: 10.1088/1748-0221/13/03/P03003.

N. Delbos et al.
Lux – A Laser–Plasma Driven Undulator Beamline.
Nuclear instruments & methods in physics research / A, 909:318, and PUBDB-2019-00065.
doi: 10.1016/j.nima.2018.01.082.

R. Diener et al.
The DESY II Test Beam Facility.
Nuclear instruments & methods in physics research / A, 922:265, and PUBDB-2019-01144, DESY-18-111; arXiv:1807.09328.
doi: 10.1016/j.nima.2018.11.133.

M. Dommach, S. Lederer and L. Lilje.
Die Vakuumsysteme des European XFEL : Ultrahochvakuum ermöglicht Betrieb des neuen Röntgenlasers der Superlative und erlaubt bisher unerreichte Einblicke in den Nanokosmos.
Vakuum in Forschung und Praxis, 30(2):47, and PUBDB-2018-01795.
doi: 10.1002/vipr.201800673.

U. Dorda et al.
Status and objectives of the dedicated accelerator $R\&D$ facility "SINBAD" at DESY.
3rd European Advanced Accelerator Concepts Workshop, Elba (Italy), 24 Sep 2017 - 29 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.01.036.

A. Fallahi and F. Kärtner.
Design strategies for single-cycle ultrafast electron guns.
Journal of physics / B, 51(14):144001, and PUBDB-2018-03456.
doi: 10.1088/1361-6455/aac6f0.

K. Galaydych et al.
Beam Dynamics and Tolerance Studies of the THz-driven Electron Linac for the AXSIS Experiment.
3rd European Advanced Accelerator Concepts workshop, Elba (Italien), 24 Sep 2017 - 30 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.03.075.

G. Geloni, V. Kocharyan and E. Saldin.
On Radiation Emission from a Microbunched Beam with Wavefront Tilt and its Experimental Observation.
Optics communications, 410:180, and PUBDB-2018-01142, DESY-17-093; arXiv:1706.10185.
doi: 10.1016/j.optcom.2017.10.010.

G. Geloni et al.
Effects of Energy Spread on Brightness and Coherence of Undulator Sources.
Journal of synchrotron radiation, 25(5):1335, and PUBDB-2018-03336, DESY-18-112; arXiv:1808.05019.
doi: 10.1107/S1600577518010330.

L. A. Gizzi, B. Marchetti and P. P. Rajeev.
Summary of WG7—High brightness Power Sources: From Laser Technology to Beam Drivers.
Third European Advanced Accelerator Concepts Workshop, Isola d'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2017.12.033.

M. Gross et al.
Characterization of Self-Modulated Electron Bunches in an Argon Plasma.
9th International Particle Accelerator Conference, Vancouver (Germany), 29 Apr 2018 - 4 May 2018.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/1067/4/042012.

M. Gross et al.
Observation of the Self-Modulation Instability via Time-Resolved Measurements.
Physical review letters, 120(14):144802, and PUBDB-2018-01448.
doi: 10.1103/PhysRevLett.120.144802.

T. Hellert and M. Dohlus.
Detuning Related Coupler Kick Variation of a Superconducting Nine-Cell 1.3 GHz Cavity.
Physical review accelerators and beams, 21(4):042001, and PUBDB-2018-01661, arXiv:1804.02487 ; DESY-17-215.
doi: 10.1103/PhysRevAccelBeams.21.042001.

H. Jansen and P. Schütze.
Feasibility of track-based multiple scattering tomography.
Applied physics reviews, 112(14):144101, and PUBDB-2018-05687.
doi: 10.1063/1.5005503.

A. Kosińska et al.
Investigation of the Intermediate Layers Located Between Niobium Substrate and Lead Films Destined for Superconducting Photocathodes.
Surface and coatings technology, 352:501, and PUBDB-2019-00092.
doi: 10.1016/j.surfcoat.2018.08.031.

G. Kube and A. P. Potylitsyn.
Coherent backward transition radiation from sub-fs "pancake-like" bunches as a tool for beam diagnostics.
Journal of Instrumentation, 13(02):C02055, and PUBDB-2018-02069.
doi: 10.1088/1748-0221/13/02/C02055.

W. Kuropka et al.
Full PIC Simulation of a First ACHIP Experiment @ SINBAD.
3rd European Advanced Accelerator Concepts Workshop, La Biodola, Isola D'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.02.042.

W. Kuropka et al.
Simulation of Deflecting Structures for Dielectric Laser Driven Accelerators.
3rd European Advanced Accelerator Concepts Workshop, Isola D'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.02.032.

T. Kurz et al.
Calibration and cross-laboratory implementation of scintillating screens for electron bunch charge determination.
Review of scientific instruments, 89(9):093303, and PUBDB-2018-05405.
doi: 10.1063/1.5041755.

B. Lautenschlager et al.
Real-time Iterative Learning Control - Two Applications with Time Scales between Years and Nanoseconds.
International journal of adaptive control and signal processing, 33(2):424, and PUBDB-2018-05465.
doi: 10.1002/acs.2946.

F. Lemery et al.
Synchronous acceleration with tapered dielectric-lined waveguides.
Physical review accelerators and beams, 21(5):051302, and PUBDB-2018-02172, DESY-17-240; FERMILAB-PUB-17-610-APC; arXiv:1712.08403.
doi: 10.1103/PhysRevAccelBeams.21.051302.

V. Libov et al.
FLASHForward X-2: Towards beam quality preservation in a plasma booster.
3rd European Advanced Accelerator Concepts Workshop, La Biodola, Isola d'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.02.063.

C. A. Lindstrøm et al.
Emittance Preservation in an Aberration-Free Active Plasma Lens.
Physical review letters, 121(19):194801, and PUBDB-2018-04763, arXiv:1808.03691.
doi: 10.1103/PhysRevLett.121.194801.

C. A. Lindstrøm et al.
Overview of the CLEAR plasma lens experiment.
3rd European Advanced Accelerator Concepts Workshop, La Biodola, Isola d'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.01.063.

G. Loisch et al.
Observation of High Transformer Ratio Plasma Wakefield Acceleration.
Physical review letters, 121(6):064801, and PUBDB-2018-03198.
doi: 10.1103/PhysRevLett.121.064801.

G. Loisch et al.
Photocathode laser based bunch shaping for high transformer ratio plasma wakefield acceleration.
3rd European Advanced Accelerator Concepts workshop, Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.02.043.

O. Lundh and B. Schmidt.
Summary of WG5: High gradient plasma structures and advanced beam diagnostics.
Nuclear instruments & methods in physics research / A, 909:336, and PUBDB-2019-00385.
doi: 10.1016/j.nima.2017.12.063.

B. Marchetti et al.
Conceptual and Technical Design Aspects of Accelerators for External Injection in LWFA.
Applied Sciences, 8(5):757, and PUBDB-2018-01980.
doi: 10.3390/app8050757.

A. Martinez de la Ossa, T. J. Mehrling and J. Osterhoff.
Intrinsic Stabilization of the Drive Beam in Plasma-Wakefield Accelerators.
Physical review letters, 121(6):064803, and PUBDB-2018-05402.
doi: 10.1103/PhysRevLett.121.064803.

D. Marx et al.
Longitudinal phase space reconstruction simulation studies using a novel X-band transverse deflecting structure at the SINBAD facility at DESY.
Nuclear instruments & methods in physics research / A, 909:374, and PUBDB-2018-01529.
doi: 10.1016/j.nima.2018.02.037.

D. Marx et al.
Single-Shot Reconstruction of Core 4D Phase Space of High-Brightness Electron Beams using Metal Grids.
Physical review accelerators and beams, 21(10):102802, and PUBDB-2018-03995.
doi: 10.1103/PhysRevAccelBeams.21.102802.

N. Matlis et al.
Acceleration of electrons in THz driven structures for AXSIS.
Nuclear instruments & methods in physics research / A, 909:27, and PUBDB-2018-01280.
doi: 10.1016/j.nima.2018.01.074.

F. Mayet et al.
Simulations and Plans for Possible DLA Experiments at SINBAD.
3rd European Advanced Accelerator Conference, Elba (Italy), 24 Sep 2017 - 29 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.01.088.

F. Mayet et al.
Using Short Drive Laser Pulses to Achieve Net Focusing Forces in Tailored Dual Grating Dielectric Structures.
Nuclear instruments & methods in physics research / A, 909:208, and PUBDB-2019-00297, arXiv:1801.10373.
doi: 10.1016/j.nima.2018.01.095.

T. Mehrling et al.
Accurate modeling of the hose instability in plasma wakefield accelerators.
Physics of plasmas, 25(5):056703, and PUBDB-2018-05400.
doi: 10.1063/1.5017960.

T. Mehrling et al.
Erratum: "Accurate modeling of the hose instability in plasma wakefield accelerators".
Physics of plasmas, 25(7):079902, and PUBDB-2018-05433.
doi: 10.1063/1.5046689.

S. Mironov et al.
Generation of the Second and Fourth Harmonics with Retaining the Three-Dimensional Quasi-Ellipsoidal Distribution of the Laser Pulse Intensity for a Photoinjector.
Radiophysics and quantum electronics, 61(6):456, and PUBDB-2018-05575.
doi: 10.1007/s11141-018-9907-2.

R. Nietubyć et al.
Optimization of Cathodic Arc Deposition and Pulsed Plasma Melting Techniques for Growing Smooth Superconducting Pb Photoemissive Films for SRF Injectors.
Nuclear instruments & methods in physics research / A, 891:78, and PUBDB-2019-00329.
doi: 10.1016/j.nima.2018.02.033.

P. Niknejadi et al.
Status of the Transverse Diagnostics at FLASHForward.
9th International Particle Accelerator Conference, Vancouver (Kanada), 29 Apr 2018 - 4 May 2018.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/1067/4/042010.

S. Pfeiffer et al.
Precision Feedback Control of a Normal Conducting Standing Wave Resonator Cavity.
Physical review accelerators and beams, 21(9):092802, and PUBDB-2018-03460.
doi: 10.1103/PhysRevAccelBeams.21.092802.

A. Piwinski, J. D. Bjorken and S. K. Mtingwa.
Wilson Prize article: Reflections on Our Experiences with Developing the Theory of Intrabeam Scattering.
Physical review accelerators and beams, 21(11):114801, and PUBDB-2019-00837.
doi: 10.1103/PhysRevAccelBeams.21.114801.

K. Poder et al.
Experimental Signatures of the Quantum Nature of Radiation Reaction in the Field of an Ultraintense Laser.
Physical review / X, 8(3):031004, and PUBDB-2019-00398.
doi: 10.1103/PhysRevX.8.031004.

K. Poder et al.
Measurements of self-guiding of ultrashort laser pulses over long distances.
Plasma physics and controlled fusion, 60(1):014022, and PUBDB-2019-00399.
doi: 10.1088/1361-6587/aa8f0e.

L. Poley et al.
Studying signal collection in the punch-through protection area of a silicon micro-strip sensor using a micro-focused X-ray beam.
11th International 'Hiroshima' Symposium on the Development and Application of Semiconductor Tracking Detectors (HSTD-11), Naha (Japan), 11 Dec 2017 - 15 Dec 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.06.085.

A. Potylitsyn et al.
Spatial resolution improvement for an optical transition radiation monitor by asymmetric light collection.
Optics express, 26(23):30231, and PUBDB-2018-04183.
doi: 10.1364/OE.26.030231.

L. Rehnisch et al.
Testbeam studies on pick-up in sensors with embedded pitch adapters.
11th International 'Hiroshima' Symposium on the Development and Application of Semiconductor Tracking Detectors (HSTD-11), Naha (Japan), 11 Dec 2017 - 15 Dec 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.06.079.

J. Repond et al.
Construction and response of a highly granular scintillator-based electromagnetic calorimeter.
Nuclear instruments & methods in physics research / A, 887:150, and PUBDB-2018-05851.
doi: 10.1016/j.nima.2018.01.016.

R. E. Robson, T. Mehrling and J. Osterhoff.
Erratum: Great moments in kinetic theory: 150 years of Maxwell's (other) equations.
European journal of physics, 39(2):029601, and PUBDB-2018-05148.
doi: 10.1088/1361-6404/aa9779.

J.-H. Röckemann et al.
Direct measurement of focusing fields in active plasma lenses.
Physical review accelerators and beams, 21(12):122801, and PUBDB-2018-05423.
doi: 10.1103/PhysRevAccelBeams.21.122801.

G. M. Rossi et al.
CEP dependence of signal and idler upon pump-seed synchronization in optical parametric amplifiers.
Optics letters, 43(2):178, and PUBDB-2018-00048.
doi: 10.1364/OL.43.000178.

L. Shi, N.-I. Baboi and R. M. Jones.
Beam Phase Retrieval based on Higher Order Modes in Cylindrical SRF Cavities.
Review of scientific instruments, 89(10):105105, and PUBDB-2018-04154, DESY-18-073; arXiv:1805.05162.
doi: 10.1063/1.5040191.

S. Spannagel et al.
Allpix^2: A Modular Simulation Framework for Silicon Detectors.
Nuclear instruments & methods in physics research / A Accelerators, spectrometers, detectors and associated equipment Section A, 901:164, and PUBDB-2019-00250, CLICdp-Pub-2018-002; CLICDP-PUB-2018-002; arXiv:1806.05813.
doi: 10.1016/j.nima.2018.06.020.

M. J. V. Streeter et al.
Temporal feedback control of high-intensity laser pulses to optimize ultrafast heating of atomic clusters.
Applied physics letters, 112(24):244101, and PUBDB-2018-05147, arXiv:1804.07488.
doi: 10.1063/1.5027297.

E. Svystun et al.
Two-stage laser-driven plasma acceleration with external injection for EuPRAXIA.
9th International Particle Accelerator Conference, Vancouver (Canada), 29 Apr 2018 - 4 May 2018.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/1067/4/042011.

E. Svystun et al.
Beam Quality Preservation Studies in a Laser-Plasma Accelerator with External Injection for EuPRAXIA.
3rd European Advanced Accelerator Concepts Workshop, La Biodola, Isola d'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.02.060.

R. Tarkeshian et al.
Transverse Space-Charge Field-Induced Plasma Dynamics for Ultraintense Electron-Beam Characterization.
Physical review / X, 8(2):021039, and PUBDB-2018-03994.
doi: 10.1103/PhysRevX.8.021039.

C. Tenholt et al.
High Gradient Pulsed Quadrupoles for Novel Accelerators and Space Charge Limited Beam Transport.
9th International Particle Accelerator Conference, Vancouver (Canada), 29 Apr 2018 - 4 May 2018.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/1067/8/082013.

P. Vagin, A. Schöps and M. Tischer.
Variable Period Undulator with Tunable Polarization.
Synchrotron radiation news, 31(3):48, and PUBDB-2018-05571.
doi: 10.1080/08940886.2018.1460178.

G. Vashchenko et al.
Performance Analysis of the Prototype THz-Driven Electron Gun for the AXSIS Project.
3rd European Advanced Accelerator Concepts Workshop, La Biodola, Isola d'Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.04.008.

M. Veronese et al.
A Nanofabricated Wirescanner with Free standing Wires: Design, Fabrication and Experimental Results.
Nuclear instruments & methods in physics research / A, 891:32, and PUBDB-2018-01337.
doi: 10.1016/j.nima.2018.02.040.

T. Vinatier et al.
Simulations on a Potential Hybrid and Compact Attosecond X-Ray Source Based on RF and THz Technologies.
3rd European Advances Accelerator Concepts Workshop, Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
North-Holland Publ. Co., Amsterdam.
doi: 10.1016/j.nima.2018.03.025.

P. A. Walker et al.
Layout Considerations for a Future Electron Plasma Research Accelerator Facility EuPRAXIA.
3rd European Advanced Accelerator Concepts Workshop, Elba (Italy), 24 Sep 2017 - 29 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.02.028.

M. Weikum et al.
Preliminary Measurements for a Sub-Femtosecond Electron Bunch Length Diagnostic.
3rd European Advanced Accelerator Concepts Workshop, Elba (Italy), 24 Sep 2017 - 30 Sep 2017.
Elsevier, Amsterdam.
doi: 10.1016/j.nima.2018.02.038.

M. Xin, K. Şafak and F. X. Kärtner.
Ultra-precise timing and synchronization for large-scale scientific instruments.
Optica, 5(12):1564, and PUBDB-2018-05208.
doi: 10.1364/OPTICA.5.001564.

M. Xin et al.
Sub-femtosecond precision timing synchronization systems.
Nuclear instruments & methods in physics research / A, 907:169, and PUBDB-2018-00755.
doi: 10.1016/j.nima.2017.12.040.

R. Yang et al.
Evaluation of Beam Halo from Beam-Gas Scattering at the KEK Accelerator Test Facility.
Physical review accelerators and beams, 21(5):051001, and PUBDB-2018-04892, arXiv:1803.08458.
doi: 10.1103/PhysRevAccelBeams.21.051001.

I. Zagorodnov.
Impedances of Anisotropic Round and Rectangular Chambers.
Physical review accelerators and beams, 21(6):064601, and PUBDB-2018-02625, DESY-18-059; arXiv:1805.11263.
doi: 10.1103/PhysRevAccelBeams.21.064601.

D. Zhang et al.
Segmented terahertz electron accelerator and manipulator (STEAM).
Nature photonics, 12:336, and PUBDB-2018-01613.
doi: 10.1038/s41566-018-0138-z.

J. Zhu et al.
Lattice design and start-to-end simulations for the ARES linac.
Nuclear instruments & methods in physics research, 909:467, and PUBDB-2018-01538.
doi: 10.1016/j.nima.2018.02.045.

Dissertationen

E. Brianne.
Time development of hadronic showers in a Highly Granular Analog Hadron Calorimeter.
Universität Hamburg, Hamburg, 2018.

T. K. Bruemmer.
Design Study of a Laser-Driven X-ray Source for Medical Fluorescence Imaging.
Universität Hamburg, Hamburg, 2018.

S. Caiazza.
The GridGEM module for the ILD TPC & A new algorithm for kinematic edge determination.
Universität Hamburg, Hamburg, 2018.

H. Dinter.
Longitudinal Diagnostics for Beam-Based Intra Bunch-Train Feedback at FLASH and the European XFEL.
Universität Hamburg, 2018.

N. Flaschel.
Micro-channel Cooling for Silicon Detectors.
Universität Hamburg, Hamburg, 2017.

M. Hachmann.
High Precision Transverse Emittance Measurement for Novel Plasma Accelerators at the REGAE Linac.
Universität Hamburg, Hamburg, 2018.

I. Isaev.
Stability and Performance Studies of the PITZ Photoelectron Gun.
Universität Hamburg, Hamburg, 2018.

A. Knetsch.
Acceleration of laser-injected electron beams in an electron-beam driven plasma wakefield accelerator.
Universität Hamburg, Hamburg, 2018.

O. Kononenko.
Controlled injection into a Laser-driven wakefield accelerator.
Universität Hamburg, Hamburg, 2018.

T. Laurus.
Diffraction anomalous fine structure in Laue geometry.
Universität Hamburg, Hamburg, 2016.

A.-L. Poley.
Studies of adhesives and metal contacts on silicon strip sensors for the ATLAS Inner Tracker.
Humboldt-Universität zu Berlin, Hamburg, 2018.

C. Scharf.
Radiation damage of highly irradiated silicon sensors.
University of Hamburg, Hamburg, 2018.

M. Weikum.
Generation, Acceleration and Measurement of Attosecond Electron Beams from Laser-Plasma Accelerators.
University of Strathclyde, Hamburg, 2018.

4 | POF3-890 - Ohne Topic

ISI oder Scopus

S.-I. Ideta et al.
Ultrafast dissolution and creation of bonds in IrTe 2 induced by photodoping.
Science advances, 4(7):eaar3867, and PUBDB-2019-01386.
doi: 10.1126/sciadv.aar3867.

D. Salomoni et al.
INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures.
Journal of grid computing, 16(3):381, and PUBDB-2019-00745.
doi: 10.1007/s10723-018-9453-3.

G. Singh et al.
Fabrication and characterization of a focused ion beam milled lanthanum hexaboride based cold field electron emitter source.
Applied physics letters, 113(9):093101, and PUBDB-2019-00063.
doi: 10.1063/1.5039441.

Dissertationen

S. Kruber.
Next Generation PIRL for Surgery and Bio-Diagnostics.
Universität Hamburg, Hamburg, 2018.