

Veröffentlichungen am DESY 2017

1 | POF3-610 - Materie und Universum

ISI oder Scopus

M. Aaboud et al.

Electron efficiency measurements with the ATLAS detector using 2012 LHC proton–proton collision data.

The European physical journal / C, 77(3):195, and PUBDB-2017-08780.

doi: 10.1140/epjc/s10052-017-4756-2.

M. G. Aartsen et al.

First search for dark matter annihilations in the Earth with the IceCube detector.

The European physical journal / C, 77(2):82, and PUBDB-2018-00005, arXiv:1609.01492.

doi: 10.1140/epjc/s10052-016-4582-y.

M. G. Aartsen et al.

Measurement of the Multi-TeV Neutrino Interaction Cross-Section with IceCube Using Earth Absorption.

Nature, 551:596, and PUBDB-2017-12817, arXiv:1711.08119.

doi: 10.1038/nature24459.

M. G. Aartsen et al.

Multiwavelength follow-up of a rare IceCube neutrino multiplet.

Astronomy and astrophysics, 607:A115, and PUBDB-2017-12822, arXiv:1702.06131.

doi: 10.1051/0004-6361/201730620.

M. G. Aartsen et al.

Search for neutrinos from dark matter self-annihilations in the center of the Milky Way with 3 years of IceCube/DeepCore.

The European physical journal / C, 77(9):627, and PUBDB-2017-11474, arXiv:1705.08103.

doi: 10.1140/epjc/s10052-017-5213-y.

A. Abada et al.

Neutrino masses, leptogenesis and dark matter from small lepton number violation?

Journal of cosmology and astroparticle physics, 2017(12):024, and PUBDB-2017-13978, DESY-17-124.

doi: 10.1088/1475-7516/2017/12/024.

B. P. Abbott et al.

Multi-messenger Observations of a Binary Neutron Star Merger.

The astrophysical journal / 2, 848(2):L12, and PUBDB-2017-12237, LIGO-P1700294, VIR-0802A-17, arXiv:1710.05833.

doi: 10.3847/2041-8213/aa91c9.

A. Abdel-Rehim et al.

First physics results at the physical pion mass from $N_f = 2$ Wilson twisted mass fermions at maximal twist.

Physical review / D, 95(9):094515, and PUBDB-2017-04977. doi: 10.1103/PhysRevD.95.094515.

S. Abdollahi et al.

The second catalog of flaring gamma-ray sources from the Fermi All-sky Variability Analysis.

The astrophysical journal, 846(1):34, and PUBDB-2017-10908, arXiv:1612.03165.

doi: 10.3847/1538-4357/aa8092.

A. U. Abeysekara et al.

Discovery of Very-high-energy Emission from RGB J2243+203 and Derivation of Its Redshift Upper Limit.

The astrophysical journal / Supplement series, 233(1):7, and PUBDB-2017-12233, arXiv:1709.05403.

doi: 10.3847/1538-4365/aa8d76.

J. Ablinger et al.

Heavy quark form factors at two loops in perturbative QCD.

12. XLI International Conference of Theoretical Physics "Matter to the Deepest", Podlesice (Poland), 3 Sep 2017 - 8 Sep 2017.

Inst. of Physics, Jagellonian Univ., Cracow.

doi: 10.5506/APhysPolB.48.2155.

J. Ablinger et al.

The three-loop splitting functions $P_{qg}^{(2)}$ and $P_{gg}^{(2,N_F)}$.

Nuclear physics / B, 922:1, and PUBDB-2017-07732.

doi: 10.1016/j.nuclphysb.2017.06.004.

J. Ablinger et al.

Three Loop Massive Operator Matrix Elements and Asymptotic Wilson Coefficients with Two Different Masses.

Nuclear physics / B, 921:585, and PUBDB-2018-00428, DESY-14-019; DO-TH-15-08; arXiv:1705.07030.

doi: 10.1016/j.nuclphysb.2017.05.017.

I. Abt et al.

Investigation into the limits of perturbation theory at low Q^2 using HERA deep inelastic scattering data.

Physical review / D, 96(1):014001, and PUBDB-2017-10569, DESY-17-051; arXiv:1704.03187.

doi: 10.1103/PhysRevD.96.014001.

M. Ackermann et al.

Fermi-LAT Observations of High-energy Behind-the-limb Solar Flares.

The astrophysical journal, 835(2):219, and PUBDB-2017-01058.

doi: 10.3847/1538-4357/835/2/219.

- M. Ackermann et al.
Gamma-Ray Blazars within the First 2 Billion Years.
The astrophysical journal, 837(1):L5, and PUBDB-2017-01366.
 doi: 10.3847/2041-8213/aa5fff.
- M. Ackermann et al.
Observations of M31 and M33 with the *Fermi* Large Area Telescope: A Galactic Center Excess in Andromeda?
The astrophysical journal, 836(2):208, and PUBDB-2017-01367.
 doi: 10.3847/1538-4357/aa5c3d.
- M. Ackermann et al.
Search for Extended Sources in the Galactic Plane Using Six Years of *Fermi*-Large Area Telescope Pass 8 Data above 10 GeV.
The astrophysical journal, 843(2):139, and PUBDB-2017-08796, arXiv:1702.00476.
 doi: 10.3847/1538-4357/aa775a.
- N. Aghaei, M. Pawelkiewicz and J. Teschner.
Quantisation of Super Teichmüller Theory.
Communications in mathematical physics, 353(2):597, and PUBDB-2017-07769, arXiv:1512.02617; DESY-15-249.
 doi: 10.1007/s00220-017-2883-0.
- F. A. Aharonian, M. V. Barkov and D. Khangulyan.
Scenarios for Ultrafast Gamma-Ray Variability in AGN.
The astrophysical journal, 841(1):61, and PUBDB-2017-05457.
 doi: 10.3847/1538-4357/aa7049.
- M. L. Ahnen et al.
Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC.
The astrophysical journal / Supplement series, 232(1):9, and PUBDB-2017-11470, arXiv:1709.00346.
 doi: 10.3847/1538-4365/aa8404.
- M. L. Ahnen et al.
Observations of Sagittarius A* during the pericenter passage of the G2 object with MAGIC.
Astronomy and astrophysics, 601:A33, and PUBDB-2018-00432, arXiv:1611.07095.
 doi: 10.1051/0004-6361/201629355.
- M. L. Ahnen et al.
Performance of the MAGIC telescopes under moonlight.
Astroparticle physics, 94:29, and PUBDB-2017-10006, arXiv:1704.00906.
 doi: 10.1016/j.astropartphys.2017.08.001.
- M. Ajello et al.
3FHL: The Third Catalog of Hard *Fermi*-LAT Sources.
The astrophysical journal / Supplement series, 232(2):18, and PUBDB-2017-11473, arXiv:1702.00664.
 doi: 10.3847/1538-4365/aa8221.
- I. Akal and G. Moortgat-Pick.
Quantum tunnelling from vacuum in multidimensions.
Physical review / D, 96(9):096027, and PUBDB-2017-13980, DESY-17-159.
 doi: 10.1103/PhysRevD.96.096027.
- A. Albert et al.
Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube.
Physical review / D, 96(2):022005, and PUBDB-2017-08787, arXiv:1703.06298.
 doi: 10.1103/PhysRevD.96.022005.
- A. Albert et al.
Towards the next generation of simplified Dark Matter models.
Physics of the Dark Universe, 16:49, and PUBDB-2017-12522, arXiv:1607.06680.
 doi: 10.1016/j.dark.2017.02.002.
- S. Alekhin et al.
Parton distribution functions, α_s , and heavy-quark masses for LHC Run II.
Physical review / D, 96(1):014011, and PUBDB-2017-08782, DESY-16-179, DO-TH-16-13, arXiv:1701.05838.
 doi: 10.1103/PhysRevD.96.014011.
- C. Alexandrou et al.
A complete non-perturbative renormalization prescription for quasi-PDFs.
Nuclear physics / B, 923:394, and PUBDB-2017-11468, DESY-17-092; arXiv:1706.00265.
 doi: 10.1016/j.nuclphysb.2017.08.012.
- C. Alexandrou et al.
Gluon momentum fraction of the nucleon from lattice QCD.
Physical review / D, 96(5):054503, and PUBDB-2017-11705, arXiv:1611.06901; DESY-16-223.
 doi: 10.1103/PhysRevD.96.054503.
- C. Alexandrou et al.
Updated lattice results for parton distributions.
Physical review / D, 96(1):014513, and PUBDB-2017-09401, DESY-16-192; arXiv:1610.03689.
 doi: 10.1103/PhysRevD.96.014513.
- C. Alexandrou et al.
Erratum: Nucleon scalar and tensor charges using lattice QCD simulations at the physical value of the pion mass [Phys. Rev. D 95 , 114514 (2017)].
Physical review / D, 96(9):099906, and PUBDB-2018-00253.
 doi: 10.1103/PhysRevD.96.099906.
- C. Alexandrou et al.
Nucleon Axial Form Factors Using $N_f = 2$ twisted mass fermions with a physical value of the pion mass.
Physical review / D, 96(5):054507, and PUBDB-2017-11469, arXiv:1705.03399.
 doi: 10.1103/PhysRevD.96.054507.
- C. Alexandrou et al.
Nucleon electromagnetic form factors using lattice simulations at the physical point.
Physical review / D, 96(3):034503, and PUBDB-2017-10004, DESY-17-085; arXiv:1706.00469.
 doi: 10.1103/PhysRevD.96.034503.

- C. Alexandrou et al.
Nucleon scalar and tensor charges using lattice QCD simulations at the physical value of the pion mass.
Physical review / D, 95(11):114514, and PUBDB-2017-06705, arXiv:1703.08788.
doi: 10.1103/PhysRevD.95.114514.
- C. Alexandrou et al.
Nucleon Spin and Momentum Decomposition Using Lattice QCD Simulations.
Physical review letters, 119(14):142002, and PUBDB-2017-11576, arXiv:1706.02973.
doi: 10.1103/PhysRevLett.119.142002.
- M. Alhroob et al.
Custom real-time ultrasonic instrumentation for simultaneous mixture and flow analysis of binary gases in the CERN ATLAS experiment.
Nuclear instruments & methods in physics research / A, 845:273, and PUBDB-2018-00522.
doi: 10.1016/j.nima.2016.04.104.
- M. Alhroob et al.
Custom ultrasonic instrumentation for flow measurement and real-time binary gas analysis in the CERN ATLAS experiment.
Journal of Instrumentation, 12(01):C01091, and PUBDB-2018-00523.
doi: 10.1088/1748-0221/12/01/C01091.
- A. Ali.
Precision tests of the Standard Model: Rare B -meson decays.
International journal of modern physics / A, 32(9):1741015, and PUBDB-2018-00524.
doi: 10.1142/S0217751X17410159.
- A. Ali, J. S. Lange and S. Stone.
Exotics: Heavy pentaquarks and tetraquarks.
Progress in particle and nuclear physics, 97:123, and PUBDB-2017-11774, DESY-17-071.
doi: 10.1016/j.pnpnp.2017.08.003.
- C. Allen et al.
Very-High-Energy γ -Ray Observations of the Blazar 1ES 2344+514 with VERITAS.
Monthly notices of the Royal Astronomical Society, 471(2):2117, and PUBDB-2017-11453, arXiv:1708.02829.
doi: 10.1093/mnras/stx1756.
- R. Aloisio et al.
SimProp v2r4: Monte Carlo simulation code for UHECR propagation.
Journal of cosmology and astroparticle physics, 1711(11):009, and PUBDB-2018-00466, arXiv:1705.03729.
doi: 10.1088/1475-7516/2017/11/009.
- M. Bruno et al.
The determination of α_s by the ALPHA collaboration.
Sixth Workshop on Theory, Phenomenology and Experiments in Flavour Physics Interplay of Flavour Physics with Electroweak symmetry breaking, Anacapri (Italy), 11 Jun 2016 - 13 Jun 2016.
Elsevier, Amsterdam [u.a.]
doi: 10.1016/j.nuclphysbps.2017.03.024.
- H. An, J. Gu and L.-T. Wang.
Exploring the nearly degenerate stop region with sbottom decays.
Journal of high energy physics, 1704(04):084, and PUBDB-2017-01833, DESY-16-101; arXiv:1611.09868; CALT-TH-2016-036.
doi: 10.1007/JHEP04(2017)084.
- ANTARES Collaboration and IceCube Collaboration and Pierre Auger Collaboration and LIGO Scientific Collaboration and Virgo Collaboration.
Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory.
The astrophysical journal / 2, 850(2):L35, and PUBDB-2017-13802.
doi: 10.3847/2041-8213/aa9aed.
- S. Archambault et al.
Gamma-Ray Observations of Tycho's Supernova Remnant with VERITAS and Fermi.
The astrophysical journal, 836(1):23, and PUBDB-2017-01040.
doi: 10.3847/1538-4357/836/1/23.
- S. Archambault et al.
Gamma-ray observations under bright moonlight with VERITAS.
Astroparticle physics, 91:34, and PUBDB-2017-01615.
doi: 10.1016/j.astropartphys.2017.03.001.
- S. Archambault et al.
Search for Magnetically Broadened Cascade Emission from Blazars with VERITAS.
The astrophysical journal, 835(2):288, and PUBDB-2017-01041.
doi: 10.3847/1538-4357/835/2/288.
- L. Arrabito et al.
The Cherenkov Telescope Array production system for Monte Carlo simulations and analysis.
22nd International Conference on Computing in High Energy and Nuclear Physics, San Francisco (USA), 10 Oct 2016 - 14 Oct 2016.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/898/5/052013.
- M. Artymowski, M. Lewicki and J. Wells.
Gravitational wave and collider implications of electroweak baryogenesis aided by non-standard cosmology.
Journal of high energy physics, 1703(03):066, and PUBDB-2017-01601, arXiv:1609.07143.
doi: 10.1007/JHEP03(2017)066.
- E.-C. Aschenauer et al.
Pre-Town Meeting on spin physics at an Electron-Ion Collider.
The European physical journal / A, 53(4):71, and PUBDB-2018-00526.
doi: 10.1140/epja/i2017-12251-4.

P. Athron et al.

GAMBIT: the global and modular beyond-the-standard-model inference tool.

The European physical journal / C, 77(11):784, and PUBDB-2018-00527, DESY-17-236; COEPP-MN-17-6; CERN-TH-2017-166; NORDITA-2017-074; arXiv:1705.07908.
doi: 10.1140/epjc/s10052-017-5321-8.

P. Athron et al.

Precise Higgs mass calculations in (non-)minimal supersymmetry at both high and low scales.

Journal of high energy physics, 1701(01):079, and PUBDB-2017-00885, COEPP-MN-16-20; DESY-16-057; KIAS-Q16008; arXiv:1609.00371.
doi: 10.1007/JHEP01(2017)079.

ATLAS Collaboration.

A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp -collision data with the ATLAS detector.

The European physical journal / C, 77(1):26, and PUBDB-2017-00944, CERN-EP-2016-149; arXiv:1607.08842.
doi: 10.1140/epjc/s10052-016-4580-0.

ATLAS Collaboration.

Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t -channel at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 1712(12):017, and PUBDB-2018-00344, CERN-EP-2017-089; arXiv:1707.05393.
doi: 10.1007/JHEP12(2017)017.

ATLAS Collaboration.

Correction to: Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector.

The European physical journal / C, 77:712, and PUBDB-2018-00343, CERN-EP-2017-055; arXiv:1705.02211.
doi: 10.1140/epjc/s10052-017-5245-3.

ATLAS Collaboration.

Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV using the ATLAS detector.

The European physical journal / C, 77(12):872, and PUBDB-2017-13878, CERN-EP-2017-093; arXiv:1707.02562.
doi: 10.1140/epjc/s10052-017-5442-0.

ATLAS Collaboration.

Electromagnetic processes in ultra-peripheral Pb+Pb collisions with ATLAS.

Nuclear physics / A, 967:281, and PUBDB-2018-00550.
doi: 10.1016/j.nuclphysa.2017.04.043.

ATLAS Collaboration.

Erratum to: Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector.

The European physical journal / C, 77(2):564, and PUBDB-2018-00313, CERN-PH-EP-2015-217; arXiv:1509.02358.
doi: 10.1140/epjc/s10052-017-5089-x.

ATLAS Collaboration.

Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC.

Nature physics, 13(9):852, and PUBDB-2018-00351, CERN-EP-2016-316; arXiv:1702.01625.
doi: 10.1038/nphys4208.

ATLAS Collaboration.

Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector.

Journal of high energy physics, 1712(12):024, and PUBDB-2018-00367, CERN-EP-2017-175; arXiv:1708.03299.
doi: 10.1007/JHEP12(2017)024.

ATLAS Collaboration.

Fiducial, total and differential cross-section measurements of t -channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector.

The European physical journal / C, 77(8):531, and PUBDB-2018-00360, CERN-EP-2016-223; arXiv:1702.02859.
doi: 10.1140/epjc/s10052-017-5061-9.

ATLAS Collaboration.

High- E_T isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Nuclear physics / B, 918:257, and PUBDB-2017-01513, CERN-EP-2016-252; arXiv:1611.06586.
doi: 10.1016/j.nuclphysb.2017.03.006.

ATLAS Collaboration.

Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Physical review / D, 96(7):072002, and PUBDB-2018-00345, CERN-EP-2017-038; arXiv:1703.09665.
doi: 10.1103/PhysRevD.96.072002.

ATLAS Collaboration.

Measurement of b -hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1711(11):62, and PUBDB-2018-00507, CERN-EP-2017-057; arXiv:1705.03374.
doi: 10.1007/JHEP11(2017)062.

ATLAS Collaboration.

Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC.

Journal of high energy physics, 1703(03):157, and PUBDB-2018-00339, CERN-EP-2016-28; arXiv:1701.05390.
doi: 10.1007/JHEP03(2017)157.

ATLAS Collaboration.

Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector.

The European physical journal / C, 77(11):765, and PUBDB-2017-13285, CERN-EP-2017-116; arXiv:1707.03263.
doi: 10.1140/epjc/s10052-017-5315-6.

ATLAS Collaboration.

Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector.

Physical review / C, 95(6):064914, and PUBDB-2018-00335, CERN-EP-2016-124; CERN-PH-EP-2016-124; arXiv:1606.08170.

doi: 10.1103/PhysRevC.95.064914.

ATLAS Collaboration.

Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Journal of high energy physics, 1710(10):132, and PUBDB-2018-00510, CERN-EP-2017-139; arXiv:1708.02810.

doi: 10.1007/JHEP10(2017)132.

ATLAS Collaboration.

Measurement of jet activity produced in top-quark events with an electron, a muon and two b -tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

The European physical journal / C, 77(4):220, and PUBDB-2018-00357, CERN-EP-2016-218; arXiv:1610.09978.

doi: 10.1140/epjc/s10052-017-4766-0.

ATLAS Collaboration.

Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC.

The European physical journal / C, 77(6):379, and PUBDB-2018-00350, CERN-EP-2017-005; arXiv:1702.00674.

doi: 10.1140/epjc/s10052-017-4915-5.

ATLAS Collaboration.

Measurement of jet p_T correlations in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector.

Physics letters / B, 774:379, and PUBDB-2018-00338, CERN-EP-2017-054; arXiv:1706.09363.

doi: 10.1016/j.physletb.2017.09.078.

ATLAS Collaboration.

Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

The European physical journal / C, 77(11):804, and PUBDB-2018-00511, CERN-EP-2017-200; arXiv:1709.09407.

doi: 10.1140/epjc/s10052-017-5349-9.

ATLAS Collaboration.

Measurement of multi-particle azimuthal correlations in pp , p +Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector.

The European physical journal / C, 77(6):428, and PUBDB-2018-00346, CERN-EP-2017-048; arXiv:1705.04176.

doi: 10.1140/epjc/s10052-017-4988-1.

ATLAS Collaboration.

Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector.

Physics letters / B, 770:473, and PUBDB-2018-00340, CERN-EP-2016-291; arXiv:1701.06882.

doi: 10.1016/j.physletb.2017.04.072.

ATLAS Collaboration.

Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Physics letters / B, 775:206, and PUBDB-2018-00364, CERN-EP-2017-115; arXiv:1709.10264.

doi: 10.1016/j.physletb.2017.10.040.

ATLAS Collaboration.

Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1712(12):059, and PUBDB-2018-00365, CERN-EP-2017-152; arXiv:1710.05167.

doi: 10.1007/JHEP12(2017)059.

ATLAS Collaboration.

Measurement of the inclusive cross-sections of single top-quark and top-antiquark t -channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Journal of high energy physics, 1704(04):086, and PUBDB-2018-00328, CERN-EP-2016-197; arXiv:1609.03920.

doi: 10.1007/JHEP04(2017)086.

ATLAS Collaboration.

Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 1709(9):20, and PUBDB-2018-00353, CERN-EP-2017-043; arXiv:1706.03192.

doi: 10.1007/JHEP09(2017)020.

ATLAS Collaboration.

Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

The European physical journal / C, 77(2):76, and PUBDB-2017-00970, CERN-EP-2016-211; arXiv:1612.02950.

doi: 10.1140/epjc/s10052-017-4644-9.

ATLAS Collaboration.

Measurement of the $t\bar{t}$ production cross section in the τ + jets final state in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector.

Physical review / D, 95(7):072003, and PUBDB-2018-00362, CERN-EP-2016-288; arXiv:1702.08839.

doi: 10.1103/PhysRevD.95.072003.

ATLAS Collaboration.

Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

The European physical journal / C, 77(1):40, and PUBDB-2017-00945, CERN-EP-2016-185; arXiv:1609.01599.

doi: 10.1140/epjc/s10052-016-4574-y.

ATLAS Collaboration.

Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton + jets channel with ATLAS.

The European physical journal / C, 77(4):264, and PUBDB-2018-00356, CERN-EP-2016-219; CERN-PH-2016-219; arXiv:1612.02577.

doi: 10.1140/epjc/s10052-017-4819-4.

ATLAS Collaboration.

Measurement of the W^+W^- production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment.

Physics letters / B, 773:354, and PUBDB-2018-00501, CERN-EP-2016-267; arXiv:1702.04519.

doi: 10.1016/j.physletb.2017.08.047.

ATLAS Collaboration.

Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $ZZ \rightarrow \ell^-\ell^+\ell'^-\ell'^+$ and $ZZ \rightarrow \ell^-\ell^+\nu\bar{\nu}$ channels with the ATLAS detector.

Journal of high energy physics, 1701(01):099, and PUBDB-2018-00332, CERN-EP-2016-194; arXiv:1610.07585.

doi: 10.1007/JHEP01(2017)099.

ATLAS Collaboration.

Measurement of $W^\pm W^\pm$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector.

Physical review / D, 96(1):012007, and PUBDB-2018-00336, CERN-EP-2016-167; arXiv:1611.02428.

doi: 10.1103/PhysRevD.96.012007.

ATLAS Collaboration.

Measurements of $\psi(2S)$ and $X(3872) \rightarrow J/\psi\pi^+\pi^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 1701(01):117, and PUBDB-2017-00947, CERN-EP-2016-193; arXiv:1610.09303.

doi: 10.1007/JHEP01(2017)117.

ATLAS Collaboration.

Measurements of charge and CP asymmetries in b -hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1702(02):071, and PUBDB-2017-01289, CERN-EP-2016-221; arXiv:1610.07869.

doi: 10.1007/JHEP02(2017)071.

ATLAS Collaboration.

Measurements of electroweak Wjj production and constraints on anomalous gauge couplings with the ATLAS detector.

The European physical journal / C, 77(7):474, and PUBDB-2018-00504, CERN-EP-2017-008; arXiv:1703.04362.

doi: 10.1140/epjc/s10052-017-5007-2.

M. Aaboud et al.

Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Rencontres de Moriond QCD and High Energy Interactions, La Thuile (Italy), 25 Mar 2017 - 1 Apr 2017.

M. Aaboud et al.

Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

11. Rencontres de Moriond QCD and High Energy Interactions, La Thuile (Italy), 25 Mar 2017 - 1 Apr 2017.

APS, Woodbury, NY.

doi: 10.1103/PhysRevD.95.112005.

ATLAS Collaboration.

Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s} = 5.02$ and 13 TeV and p +Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector.

Physical review / C, 96(2):024908, and PUBDB-2018-00358, CERN-EP-2016-200; arXiv:1609.06213.

doi: 10.1103/PhysRevC.96.024908.

ATLAS Collaboration.

Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

The European physical journal / C, 77(6):361, and PUBDB-2018-00330, CERN-EP-2016-297; arXiv:1702.05725.

doi: 10.1140/epjc/s10052-017-4900-z.

ATLAS Collaboration.

Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector.

Journal of high energy physics, 1703(03):113, and PUBDB-2017-11953.

doi: 10.1007/JHEP03(2017)113.

ATLAS Collaboration.

Measurements of top-quark pair differential cross-sections in the $e\mu$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector.

The European physical journal / C, 77(5):292, and PUBDB-2018-00333, CERN-EP-2016-220; CERN-PH-2016-220; arXiv:1612.05220.

doi: 10.1140/epjc/s10052-017-4821-x.

ATLAS Collaboration.

Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector.

Journal of high energy physics, 1711(11):191, and PUBDB-2018-00342, CERN-EP-2017-058; arXiv:1708.00727.

doi: 10.1007/JHEP11(2017)191.

ATLAS Collaboration.

Measurements of top-quark pair to Z -boson cross-section ratios at $\sqrt{s} = 13, 8, 7$ TeV with the ATLAS detector.

Journal of high energy physics, 1702(02):117, and PUBDB-2017-01290, CERN-EP-2016-271; arXiv:1612.03636.

doi: 10.1007/JHEP02(2017)117.

ATLAS Collaboration.

Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector.

The European physical journal / C, 77(4):241, and PUBDB-2018-00427, CERN-EP-2016-134; arXiv:1609.09324.

doi: 10.1140/epjc/s10052-017-4780-2.

ATLAS Collaboration.

Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties.

Journal of Instrumentation, 12(05):P05002, and PUBDB-

2018-00419, CERN-EP-2016-311; arXiv:1702.06473.
doi: 10.1088/1748-0221/12/05/P05002.

ATLAS Collaboration.

Performance of the ATLAS trigger system in 2015.

The European physical journal / C, 77(5):317, and PUBDB-2018-00500, CERN-EP-2016-241; arXiv:1611.09661.
doi: 10.1140/epjc/s10052-017-4852-3.

ATLAS Collaboration.

Precision measurement and interpretation of inclusive W^+ , W^- and Z/γ^* production cross sections with the ATLAS detector.

The European physical journal / C, 77(6):367, and PUBDB-2018-00363, CERN-EP-2016-272; arXiv:1612.03016.
doi: 10.1140/epjc/s10052-017-4911-9.

ATLAS Collaboration.

Probing the W $t\bar{b}$ vertex structure in t -channel single-top-quark production and decay in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 1704(04):124, and PUBDB-2018-00509, CERN-EP-2017-011; arXiv:1702.08309.
doi: 10.1007/JHEP04(2017)124.

ATLAS Collaboration.

Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton–proton collisions at the LHC.

The European physical journal / C, 77(5):332, and PUBDB-2018-00423, CERN-EP-2016-150; arXiv:1611.10235.
doi: 10.1140/epjc/s10052-017-4887-5.

ATLAS Collaboration.

Search for anomalous electroweak production of W W/W Z in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review / D, D95(3):032001, and PUBDB-2017-00971, CERN-EP-2016-171; arXiv:1609.05122.
doi: 10.1103/PhysRevD.95.032001.

ATLAS Collaboration.

Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector.

The European physical journal / C, 77(6):393, and PUBDB-2018-00349, CERN-EP-2017-044; arXiv:1704.03848.
doi: 10.1140/epjc/s10052-017-4965-8.

ATLAS Collaboration.

Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Physical review / D, 96(11):112004, and PUBDB-2018-00373, CERN-EP-2017-079; arXiv:1706.03948.
doi: 10.1103/PhysRevD.96.112004.

ATLAS Collaboration.

Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ using 36 fb^{-1} of pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector.

Physical review letters, 119(18):181804, and PUBDB-2017-13299, CERN-EP-2017-117; arXiv:1707.01302.
doi: 10.1103/PhysRevLett.119.181804.

ATLAS Collaboration.

Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector.

Journal of high energy physics, 1708(8):6, and PUBDB-2018-00517, CERN-EP-2017-106; arXiv:1706.03986.
doi: 10.1007/JHEP08(2017)006.

ATLAS Collaboration.

Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector.

Physical review letters, 119(19):191803, and PUBDB-2017-11903, arXiv:1707.06025.
doi: 10.1103/PhysRevLett.119.191803.

ATLAS Collaboration.

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, 1:52, and PUBDB-2017-13775, arXiv:1712.06518; CERN-EP-2017-250.
doi: 10.3204/PUBDB-2017-13775.

ATLAS Collaboration.

Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $q\bar{q}^{(*)}b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Physics letters / B, 774:494, and PUBDB-2018-00514, CERN-EP-2017-111; arXiv:1707.06958.
doi: 10.1016/j.physletb.2017.09.066.

ATLAS Collaboration.

Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector.

The European physical journal / C, 77(2):70, and PUBDB-2017-00969, CERN-EP-2016-055; arXiv:1604.07730.
doi: 10.1140/epjc/s10052-017-4624-0.

ATLAS Collaboration.

Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Journal of high energy physics, 1710(10):182, and PUBDB-2018-00417, CERN-EP-2017-119; arXiv:1707.02424.
doi: 10.1007/JHEP10(2017)182.

ATLAS Collaboration.

Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data.

Journal of high energy physics, 1709(09):088, and PUBDB-2018-00420, CERN-EP-2017-053; arXiv:1704.08493.
doi: 10.1007/JHEP09(2017)088.

ATLAS Collaboration.

Search for new phenomena in dijet events using 37 fb^{-1} of pp collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector.

Physical review / D, 96(5):052004, and PUBDB-2018-00508, CERN-EP-2017-042; arXiv:1703.09127.
doi: 10.1103/PhysRevD.96.052004.

ATLAS Collaboration.

Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ pp collisions with the ATLAS detector.
The European physical journal / C, 77(3):144, and PUBDB-2017-01512, CERN-EP-2016-260; CERN-PH-2016-260; arXiv:1611.05791.
 doi: 10.1140/epjc/s10052-017-4700-5.

ATLAS Collaboration.

Search for new phenomena in high-mass diphoton final states using 37 fb^{-1} of proton–proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physics letters / B, 775:105, and PUBDB-2018-00372, CERN-EP-2017-132; arXiv:1707.04147.
 doi: 10.1016/j.physletb.2017.10.039.

ATLAS Collaboration.

Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions.
Journal of high energy physics, 1712(12):034, and PUBDB-2018-00371, CERN-EP-2017-138; arXiv:1708.02794.
 doi: 10.1007/JHEP12(2017)034.

ATLAS Collaboration.

Search for pair production of heavy vector-like quarks decaying to high- p_T W bosons and b 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, 1710(10):141, and PUBDB-2018-00366, CERN-EP-2017-094; arXiv:1707.03347.
 doi: 10.1007/JHEP10(2017)141.

ATLAS Collaboration.

Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector.
Journal of high energy physics, 1708(8):52, and PUBDB-2018-00416, CERN-EP-2017-075; arXiv:1705.10751.
 doi: 10.1007/JHEP08(2017)052.

ATLAS Collaboration.

Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1711(11):195, and PUBDB-2018-00368, CERN-EP-2017-154; arXiv:1708.09266.
 doi: 10.1007/JHEP11(2017)195.

ATLAS Collaboration.

Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector.
Journal of high energy physics, 1709(09):084, and PUBDB-2018-00370, CERN-EP-2017-108; arXiv:1706.03731.
 doi: 10.1007/JHEP09(2017)084.

ATLAS Collaboration.

Search for the dimuon decay of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Physical review letters, 119(5):051802, and PUBDB-2018-

00516, CERN-EP-2017-078; arXiv:1705.04582.
 doi: 10.1103/PhysRevLett.119.051802.

ATLAS Collaboration.

Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector.
Journal of high energy physics, 1710(10):129, and PUBDB-2018-00369, CERN-EP-2017-118; arXiv:1707.01404.
 doi: 10.1007/JHEP10(2017)129.

ATLAS Collaboration.

Search for triboson $W^\pm W^\pm W^\mp$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.
The European physical journal / C, 77(3):141, and PUBDB-2018-00327, CERN-EP-2016-172; arXiv:1610.05088.
 doi: 10.1140/epjc/s10052-017-4692-1.

ATLAS Collaboration.

Searches for Exotic Physics in ATLAS using Substructure Techniques.
Journal of physics / Conference Series, 878:012007, and PUBDB-2017-13366.
 doi: 10.1088/1742-6596/878/1/012007.

ATLAS Collaboration.

Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector.
Journal of high energy physics, 1710(10):112, and PUBDB-2018-00375, CERN-EP-2017-095; arXiv:1708.00212.
 doi: 10.1007/JHEP10(2017)112.

ATLAS Collaboration.

Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.
Journal of high energy physics, 1707(07):107, and PUBDB-2018-00347, CERN-EP-2017-046; arXiv:1705.01966.
 doi: 10.1007/JHEP07(2017)107.

ATLAS Collaboration.

Study of ordered hadron chains with the ATLAS detector.
Physical review / D, 96(9):092008, and PUBDB-2018-00513, CERN-EP-2017-092; arXiv:1709.07384.
 doi: 10.1103/PhysRevD.96.092008.

ATLAS Collaboration.

Study of the material of the ATLAS inner detector for Run 2 of the LHC.
Journal of Instrumentation, 12(12):P12009, and PUBDB-2018-00354, CERN-EP-2017-081; arXiv:1707.02826.
 doi: 10.1088/1748-0221/12/12/P12009.

ATLAS Collaboration.

Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment.
The European physical journal / C, 77(9):646, and PUBDB-2018-00414, CERN-EP-2017-096; arXiv:1707.05597.
 doi: 10.1140/epjc/s10052-017-5180-3.

ATLAS Collaboration.

Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1.

The European physical journal / C, 77(7):490, and PUBDB-2018-00312, CERN-PH-EP-2015-304; arXiv:1603.02934.
doi: 10.1140/epjc/s10052-017-5004-5.

ATLAS Collaboration.

Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 1709(09):118, and PUBDB-2018-00421, CERN-EP-2016-264; arXiv:1702.07546.
doi: 10.1007/JHEP09(2017)118.

E. Bagnaschi, J. P. Vega and P. Slavich.

Improved determination of the Higgs mass in the MSSM with heavy superpartners.

The European physical journal / C, 77(5):334, and PUBDB-2017-05992, DESY-17-033; arXiv:1703.08166.
doi: 10.1140/epjc/s10052-017-4885-7.

E. Bagnaschi et al.

Likelihood analysis of supersymmetric SU(5) GUTs.

The European physical journal / C, 77(2):104, and PUBDB-2017-01137, DESY-16-156.
doi: 10.1140/epjc/s10052-017-4639-6.

E. Bagnaschi et al.

Likelihood analysis of the minimal AMSB model.

The European physical journal / C, 77(4):268, and PUBDB-2017-02669, DESY-16-155; KCL-PH-TH-2016-58; CERN-PH-TH-2016-220; IFT-UAM-CSIC-16-112; IPMU16-0157; FTPI-MINN-16-30; UMN-TH-3610-16; FERMILAB-PUB-16-502-CMS; IPPP-16-104; arXiv:1612.05210.
doi: 10.1140/epjc/s10052-017-4810-0.

I. Baldes.

Gravitational waves from the asymmetric-dark-matter generating phase transition.

Journal of cosmology and astroparticle physics, 1705(05):028, and PUBDB-2017-05987, DESY-17-021; arXiv:1702.02117.
doi: 10.1088/1475-7516/2017/05/028.

I. Baldes and K. Petraki.

Asymmetric thermal-relic dark matter: Sommerfeld-enhanced freeze-out, annihilation signals and unitarity bounds.

Journal of cosmology and astroparticle physics, 1709(09):028, and PUBDB-2017-11764, DESY-17-034; Nikhef 2017-009; arXiv:1703.00478.
doi: 10.1088/1475-7516/2017/09/028.

G. Ballesteros et al.

Standard Model—axion—seesaw—Higgs portal inflation. Five problems of particle physics and cosmology solved in one stroke.

Journal of cosmology and astroparticle physics, 1708(08):001, and PUBDB-2017-08981, DESY-16-184; arXiv:1610.01639.
doi: 10.1088/1475-7516/2017/08/001.

G. Ballesteros et al.

Unifying Inflation with the Axion, Dark Matter, Baryogenesis, and the Seesaw Mechanism.

Physical review letters, 118(7):071802, and PUBDB-2017-00981, DESY 16-049.
doi: 10.1103/PhysRevLett.118.071802.

M. C. Bañuls et al.

Density Induced Phase Transitions in the Schwinger Model: A Study with Matrix Product States.

Physical review letters, 118(7):071601, and PUBDB-2018-00255.
doi: 10.1103/PhysRevLett.118.071601.

M. C. Bañuls et al.

Efficient Basis Formulation for (1 + 1)-Dimensional SU(2) Lattice Gauge Theory: Spectral Calculations with Matrix Product States.

Physical review / X, 7(4):041046, and PUBDB-2018-00238.
doi: 10.1103/PhysRevX.7.041046.

S. P. Baranov and A. Lipatov.

Prompt charmonia production and polarization at LHC in the NRQCD with k_T -factorization. Part III: J/ψ meson.

Physical review / D, D96(3):034019, and PUBDB-2017-11046, arXiv:1611.10141; DESY-17-039.
doi: 10.1103/PhysRevD.96.034019.

S. P. Baranov et al.

Associated production of Z bosons and b -jets at the LHC in the combined k_T + collinear QCD factorization approach.

The European physical journal / C, 77(11):772, and PUBDB-2017-12705, DESY-17-126; arXiv:1708.07079.
doi: 10.1140/epjc/s10052-017-5369-5.

S. P. Baranov et al.

Testing the parton evolution with the use of two-body final states.

The European physical journal / C, 77(1):2, and PUBDB-2017-00314, DESY-16-180; arXiv:1609.03546.
doi: 10.1140/epjc/s10052-016-4562-2.

T. Bargheer.

Four-point functions with a twist.

Journal of physics / A, 51(3):035401, and PUBDB-2017-12765, DESY-16-248.
doi: 10.1088/1751-8121/aa9cc0.

T. Bargheer.

Systematics of the multi-Regge three-loop symbol.

Journal of high energy physics, 2017(11):77, and PUBDB-2017-12764, DESY-16-115.
doi: 10.1007/JHEP11(2017)077.

P. Baseilhac, A. Gainutdinov and T. T. Vu.

Cyclic tridiagonal pairs, higher order Onsager algebras and orthogonal polynomials.

Linear algebra and its applications, 522:71, and PUBDB-2018-00632.
doi: 10.1016/j.laa.2017.02.009.

P. Basler et al.

Strong first order electroweak phase transition in the CP-conserving 2HDM revisited.

Journal of high energy physics, 1702(02):121, and PUBDB-2017-01371, arXiv:1612.04086.
doi: 10.1007/JHEP02(2017)121.

M. Bauer, U. Haisch and F. Kahlhoefer.

Simplified dark matter models with two Higgs doublets: I. Pseudoscalar mediators.

Journal of high energy physics, 1705(05):138, and PUBDB-2017-05984, CERN-TH-2017-011; DESY-17-010; arXiv:1701.07427.
doi: 10.1007/JHEP05(2017)138.

T. Becher et al.

Erratum to: Factorization and resummation for jet processes.

Journal of high energy physics, 1705(05):154, and PUBDB-2018-00529, arXiv:1605.02737.
doi: 10.1007/JHEP05(2017)154.

P. Bechtle et al.

The light and heavy Higgs interpretation of the MSSM.

The European physical journal / C, 77(2):67, and PUBDB-2017-00886, BONN-TH-2016-06; DESY-16-151; IFT-UAM-CSIC-16-068; NIKHEF-2016-033; SCIPP-16-10; arXiv:1608.00638.
doi: 10.1140/epjc/s10052-016-4584-9.

A. Behring et al.

Asymptotic 3-loop heavy flavor corrections to the charged current structure functions $F_L^{W^+-W^-}(x, Q^2)$ and $F_2^{W^+-W^-}(x, Q^2)$.

Physical review / D, 94(11):114006, and PUBDB-2017-04944, DESY-16-148; DO-TH-16-15; arXiv:1609.06255.
doi: 10.1103/PhysRevD.94.114006.

Belle Collaboration.

Erratum to: Search for B decays to final states with the η_c meson.

Journal of high energy physics, 1702(02):088, and PUBDB-2018-00355, BELLE-PREPRINT-2015-1; KEK-PREPRINT-2014-42.
doi: 10.1007/JHEP02(2017)088.

Belle Collaboration.

Evidence for Isospin Violation and Measurement of CP Asymmetries in $B \rightarrow K^*(892)\gamma$.

Physical review letters, 119(19):191802, and PUBDB-2017-12046, BELLE-PREPRINT-2017-08; KEK-PREPRINT-2017-4; arXiv:1707.00394.
doi: 10.1103/PhysRevLett.119.191802.

Belle Collaboration.

First measurement of T -odd moments in $D^0 \rightarrow K_S^0 \pi^+ \pi^- \pi^0$ decays.

Physical review / D, 95(9):091101, and PUBDB-2017-05887, BELLE-PREPRINT-2017-01; KEK-PREPRINT-2016-62; arXiv:1703.05721.
doi: 10.1103/PhysRevD.95.091101.

Belle Collaboration.

Invariant-mass and fractional-energy dependence of inclusive production of di-hadrons in e^+e^- annihilation at $\sqrt{s} = 10.58$ GeV.

Physical review / D, 96(3):032005, and PUBDB-2017-10924, BELLE-DRAFT-2017-13; KEK-DRAFT-2017-09; arXiv:1706.08348; BELLE-DRAFT-2017-13-KEK-DRAFT-2017-09.
doi: 10.1103/PhysRevD.96.032005.

Belle Collaboration.

Lepton-Flavor-Dependent Angular Analysis of $B \rightarrow K^* \ell^+ \ell^-$.

Physical review letters, 118(11):111801, and PUBDB-2017-02387.
doi: 10.1103/PhysRevLett.118.111801.

Belle Collaboration.

Measurement of branching fraction and direct CP asymmetry in charmless $B^+ \rightarrow K^+ K^- \pi^+$ decays at Belle.

Physical review / D, 96(3):031101, and PUBDB-2017-10774, KEK-PREPRINT-2017-5; BELLE-PREPRINT-2017-09; arXiv:1705.02640.
doi: 10.1103/PhysRevD.96.031101.

Belle Collaboration.

Measurement of the branching fraction and CP asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays, and an improved constraint on ϕ_2 .

Physical review / D, 96(3):032007, and PUBDB-2017-10772, BELLE-PREPRINT-2017-11; KEK-PREPRINT-2017-7; arXiv:1705.02083.
doi: 10.1103/PhysRevD.96.032007.

Belle Collaboration.

Measurement of the decays $B \rightarrow \eta \ell \nu_\ell$ and $B \rightarrow \eta' \ell \nu_\ell$ in fully reconstructed events at Belle.

Physical review / D, D96(9):091102, and PUBDB-2017-13979, arXiv:1703.10216.
doi: 10.1103/PhysRevD.96.091102.

Belle Collaboration.

Measurement of the τ lepton polarization and $R(D^*)$ in the decay $\bar{B} \rightarrow D^* \tau^- \bar{\nu}_\tau$.

Physical review letters, 118(21):211801, and PUBDB-2017-05882, KEK-PREPRINT-2016-53; BELLE-PREPRINT-2016-14; arXiv:1612.00529.
doi: 10.1103/PhysRevLett.118.211801.

Belle Collaboration.

Observation of an alternative $\chi_{c0}(2P)$ candidate in $e^+e^- \rightarrow J/\psi D \bar{D}$.

Physical review / D, 95(11):112003, and PUBDB-2017-05893, BELLE-PREPRINT-2017-07; KEK-PREPRINT-2017-3; arXiv:1704.01872.
doi: 10.1103/PhysRevD.95.112003.

Belle Collaboration.

Observation of $D^0 \rightarrow \rho^0 \gamma$ and Search for CP Violation in Radiative Charm Decays.

Physical review letters, 118(5):051801, and PUBDB-2017-00973, BELLE-CONF-1601; BELLE-PREPRINT-2016-11; arXiv:1603.03257.
doi: 10.1103/PhysRevLett.118.051801.

Belle Collaboration.

Search for $B \rightarrow h\nu\bar{\nu}$ decays with semileptonic tagging at Belle.
Physical review / D, 96(9):091101, and PUBDB-2017-13973,
 arXiv:1702.03224.
 doi: 10.1103/PhysRevD.96.091101.

Belle Collaboration.

Search for $\Lambda_c^+ \rightarrow \phi p \pi^0$ and branching fraction measurement of $\Lambda_c^+ \rightarrow K^- \pi^+ p \pi^0$.
Physical review / D, 96(5):051102, and PUBDB-2017-12039, BELLE-PREPRINT-2017-12; KEK-PREPRINT-2017-08; UCHEP-2017-06; arXiv:1707.00089.
 doi: 10.1103/PhysRevD.96.051102.

Belle Collaboration.

Search for CP Violation and Measurement of the Branching Fraction in the Decay $D^0 \rightarrow K_S^0 K_S^0$.
Physical review letters, 119(17):171801, and PUBDB-2017-12038, Belle-Preprint-2017-03; KEK-Preprint-2016-64; arXiv:1705.05966.
 doi: 10.1103/PhysRevLett.119.171801.

Belle Collaboration.

Search for D^0 decays to invisible final states at Belle.
Physical review / D, 95(1):011102(R), and PUBDB-2017-00974, BELLE-PREPRINT-2013-13; KEK-PREPRINT-2013-51; BELLE-PREPRINT-2016-13; KEK-PREPRINT-2016-51; arXiv:1611.09455.
 doi: 10.1103/PhysRevD.95.011102.

Belle Collaboration.

Search for light tetraquark states in $\Upsilon(1S)$ and $\Upsilon(2S)$ decays.
Physical review / D, D96(11):112002, and PUBDB-2017-13989, BELLE-PREPRINT-2017-21; KEK-PREPRINT-2017-30; arXiv:1711.01690.
 doi: 10.1103/PhysRevD.96.112002.

Belle Collaboration.

Search for the 0^{--} Glueball in $\Upsilon(1S)$ and $\Upsilon(2S)$ decays.
Physical review / D, 95(1):012001, and PUBDB-2017-00117, BELLE-PREPRINT-2016-12; KEK-PREPRINT-2016-50; arXiv:1611.07131.
 doi: 10.1103/PhysRevD.95.012001.

Belle Collaboration.

Study of η and dipion transitions in $\Upsilon(4S)$ decays to lower bottomonia.
Physical review / D, 96(5):052005, and PUBDB-2017-12047, BELLE-PREPRINT-2017-16; KEK-PREPRINT-2017-17; arXiv:1707.04973.
 doi: 10.1103/PhysRevD.96.052005.

R. Bellwied et al.

Lattice QCD thermodynamics up to the perturbative regime.
 The 26th International Conference on Ultra-relativistic Nucleus-Nucleus Collisions: Quark Matter 2017, Chicago (USA), 5 Feb 2017 - 11 Feb 2017.
 Elsevier, Amsterdam.
 doi: 10.1016/j.nuclphysa.2017.06.017.

M. Beneke et al.

On the ultimate uncertainty of the top quark pole mass.
Physics letters / B, 775:63, and PUBDB-2017-12402.
 doi: 10.1016/j.physletb.2017.10.054.

A. Beniwal et al.

Gravitational wave, collider and dark matter signals from a scalar singlet electroweak baryogenesis.
Journal of high energy physics, 1708(08):108, and PUBDB-2018-00631, arXiv:1702.06124.
 doi: 10.1007/JHEP08(2017)108.

G. Bergner et al.

Spectrum and mass anomalous dimension of $SU(2)$ adjoint QCD with two Dirac flavors.
Physical review / D, 96(3):034504, and PUBDB-2017-09602, MS-TP-16-26; DESY-16-135; arXiv:1610.01576.
 doi: 10.1103/PhysRevD.96.034504.

D. Bertolini et al.

Soft functions for generic jet algorithms and observables at hadron colliders.
Journal of high energy physics, 1707(07):099, and PUBDB-2017-12467, DESY-16-137; NIKHEF 2016-035; MIT-CTP 4823; arXiv:1704.08262.
 doi: 10.1007/JHEP07(2017)099.

V. Bertone et al.

Impact of the heavy-quark matching scales in PDF fits.
The European physical journal / C, 77(12):837, and PUBDB-2018-00530, DESY-17-101; arXiv:1707.05343.
 doi: 10.1140/epjc/s10052-017-5407-3.

L. Bianchi et al.

Wilson lines as superconformal defects in ABJM theory: a formula for the emitted radiation.
Journal of high energy physics, 2017(10):50, and PUBDB-2018-00531.
 doi: 10.1007/JHEP10(2017)050.

D. Biehl et al.

Astrophysical Neutrino Production Diagnostics with the Glashow Resonance.
Journal of cosmology and astroparticle physics, 1701(01):033, and PUBDB-2017-01282, arXiv:1611.07983.
 doi: 10.1088/1475-7516/2017/01/033.

J. Blümlein, K. H. Phan and T. Riemann.

Scalar one-loop vertex integrals as meromorphic functions of space-time dimension d .

12. XLI International Conference of Theoretical Physics "Matter to the Deepest", Podlesice (Poland), 3 Sep 2017 - 8 Sep 2017.

Inst. of Physics, Jagellonian Univ., Cracow.

doi: 10.5506/APhysPolB.48.2313.

J. Blümlein and C. Schneider.

The method of arbitrarily large moments to calculate single scale processes in quantum field theory.

Physics letters / B, 771:31, and PUBDB-2017-04322, DESY-17-009; DO-TH 17-01; arXiv:1701.04614.
 doi: 10.1016/j.physletb.2017.05.001.

D. Boncioli, A. Fedynitch and W. Winter.

Nuclear Physics Meets the Sources of the Ultra-High Energy Cosmic Rays.

Scientific reports, 7(1):4882, and PUBDB-2017-08954, arXiv:1607.07989.
 doi: 10.1038/s41598-017-05120-7.

V. G. Bornyakov et al.

Flavour breaking effects in the pseudoscalar meson decay constants.

Physics letters / B, 767:366, and PUBDB-2017-01139, DESY-16-241; ADP-16-46-T1002; DESY-16-241; EDINBURGH-2016-19; LIVERPOOL-LTH-1116; arXiv:1612.04798.
doi: 10.1016/j.physletb.2017.02.018.

A. Bourget, A. Pini and D. Rodriguez-Gomez.

Towards deconstruction of the Type D (2,0) theory.

Journal of high energy physics, 1712(12):146, and PUBDB-2018-01415, DESY-17-163.
doi: 10.1007/JHEP12(2017)146.

N. Braun et al.

Migrating the Belle II collaborative services and tools.

22nd International Conference on Computing in High Energy and Nuclear Physics, San Francisco (U.S.A.), 10 Oct 2016 - 14 Oct 2016.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/898/10/102014.

T. Bringmann et al.

DarkBit: A GAMBIT module for computing dark matter observables and likelihoods.

The European physical journal / C, 77(12):831, and PUBDB-2018-00534, DESY-17-235; NORDITA-2017-076; arXiv:1705.07920.
doi: 10.1140/epjc/s10052-017-5155-4.

T. Bringmann et al.

Strong Constraints on Self-Interacting Dark Matter with Light Mediators.

Physical review letters, 118(14):141802, and PUBDB-2017-01600, DESY-16-226.
doi: 10.1103/PhysRevLett.118.141802.

S. Bruggisser, T. Konstandin and G. Servant.

CP-violation for electroweak baryogenesis from dynamical CKM matrix.

Journal of cosmology and astroparticle physics, 2017(11):034, and PUBDB-2017-12767, DESY-17-094.
doi: 10.1088/1475-7516/2017/11/034.

M. Bruno, T. Korzec and S. Schaefer.

Setting the scale for the CLS 2 + 1 flavor ensembles.

Physical review / D, 95(7):074504, and PUBDB-2017-02420.
doi: 10.1103/PhysRevD.95.074504.

M. Bruno et al.

QCD Coupling from a Nonperturbative Determination of the Three-Flavor Λ Parameter.

Physical review letters, 119(10):102001, and PUBDB-2017-11580, CERN-TH-2017-129; DESY-17-088; WUB-17-03; arXiv:1706.03821.
doi: 10.1103/PhysRevLett.119.102001.

W. Buchmuller and J. Schweizer.

Flavor mixings in flux compactifications.

Physical review / D, 95(7):075024, and PUBDB-2017-01838, DESY-16-238; arXiv:1701.06935.
doi: 10.1103/PhysRevD.95.075024.

W. Buchmuller et al.

Effective field theory for magnetic compactifications.

Journal of high energy physics, 1704(04):052, and PUBDB-2017-01835, CPHT-RR047.112016; DESY-16-206; arXiv:1611.03798.
doi: 10.1007/JHEP04(2017)052.

W. Buchmüller et al.

The toric $SO(10)$ F-theory landscape.

Journal of high energy physics, 2017(12):35, and PUBDB-2017-13977, DESY-17-091.
doi: 10.1007/JHEP12(2017)035.

N. Budnev et al.

TAIGA experiment: present status and perspectives.

Journal of Instrumentation, 12(08):C08018, and PUBDB-2018-00473.
doi: 10.1088/1748-0221/12/08/C08018.

N. Budnev et al.

The TAIGA experiment: From cosmic-ray to gamma-ray astronomy in the Tunka valley.

Nuclear instruments & methods in physics research / A, 845:330, and PUBDB-2018-00469.
doi: 10.1016/j.nima.2016.06.041.

CALICE Collaboration.

Tracking within Hadronic Showers in the CALICE SDHCAL prototype using a Hough Transform Technique.

Journal of Instrumentation, 12(05):P05009, and PUBDB-2017-14102, arXiv:1702.08082.
doi: 10.1088/1748-0221/12/05/P05009.

G. Carvalho Dorsch et al.

A second Higgs doublet in the early universe: baryogenesis and gravitational waves.

Journal of cosmology and astroparticle physics, 1705(05):052, and PUBDB-2017-05847, DESY-16-213; arXiv:1611.05874.
doi: 10.1088/1475-7516/2017/05/052.

G. Carvalho Dorsch et al.

The Higgs vacuum uplifted: revisiting the electroweak phase transition with a second Higgs doublet.

Journal of high energy physics, 2017(12):86, and PUBDB-2017-13974, DESY-17-076.
doi: 10.1007/JHEP12(2017)086.

M. Cè, L. Giusti and S. Schaefer.

Local factorization of the fermion determinant in lattice QCD.

Physical review / D, 95(3):034503, and PUBDB-2017-01277.
doi: 10.1103/PhysRevD.95.034503.

M. Cerruti et al.

Luminous and high-frequency peaked blazars: the origin of the γ -ray emission from PKS 1424+240.

Astronomy and astrophysics, 606(A68):10, and PUBDB-2017-09410, arXiv:1707.00804.
doi: 10.1051/0004-6361/201730799.

M. Chala et al.

Minimally extended SILH.

Journal of high energy physics, 1706(06):088, and PUBDB-2017-06632, DESY-17-049; IFIC-17-15; FTUV-17-0322.9647; arXiv:1703.10624.
doi: 10.1007/JHEP06(2017)088.

A. J. Chambers et al.

Electromagnetic form factors at large momenta from lattice QCD.

Physical review / D, 96(11):114509, and PUBDB-2018-00567, DESY-17-019.
doi: 10.1103/PhysRevD.96.114509.

A. J. Chambers et al.

Nucleon Structure Functions from Operator Product Expansion on the Lattice.

Physical review letters, 118(24):242001, and PUBDB-2017-05989, ADP-17-09-T1015; DESY-17-027; EDINBURGH-2017-04; LIVERPOOL-LTH-1122; arXiv:1703.01153.
doi: 10.1103/PhysRevLett.118.242001.

Cherenkov Telescope Array Consortium.

Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7-3946.

The astrophysical journal, 840(2):74, and PUBDB-2017-04984, arXiv:1704.04136.
doi: 10.3847/1538-4357/aa6d67.

K. G. Chetyrkin et al.

Addendum to “Charm and bottom quark masses: An update”.

Physical review / D, 96(11):116007, and PUBDB-2018-00474, DESY-17-152; FR-PHENO-2017-018; IPPP-17-72; TTP17-039; arXiv:1710.04249.
doi: 10.1103/PhysRevD.96.116007.

CMS Collaboration.

Characterisation of irradiated thin silicon sensors for the CMS phase II pixel upgrade.

The European physical journal / C, 77(8):567, and PUBDB-2017-10157.
doi: 10.1140/epjc/s10052-017-5115-z.

CMS Collaboration.

Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

Journal of high energy physics, 1704(04):039, and PUBDB-2017-02289, CMS-HIN-15-015; CERN-EP-2016-242; arXiv:1611.01664.
doi: 10.1007/JHEP04(2017)039.

CMS Collaboration.

Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the CMS experiment.

Physics letters / B, 772:489, and PUBDB-2017-11800, CMS-HIN-12-009; CERN-EP-2016-098; arXiv:1605.06966; FERMILAB-PUB-16-194-CMS.
doi: 10.1016/j.physletb.2017.07.001.

CMS Collaboration.

Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state.

Physics letters / B, 775:1, and PUBDB-2017-11806, CMS-

HIG-17-011; CERN-EP-2017-143; arXiv:1707.00541.

doi: 10.1016/j.physletb.2017.10.021.

CMS Collaboration.

Cross section measurement of t -channel single top quark production in pp collisions at $\sqrt{s} = 13$ TeV.

Physics letters / B, 772:752, and PUBDB-2017-10113, CMS-TOP-16-003; CERN-EP-2016-233; arXiv:1610.00678.
doi: 10.1016/j.physletb.2017.07.047.

CMS Collaboration.

Erratum to: Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1709(09):106, and PUBDB-2018-00599, CMS-EXO-16-010; CERN-EP-2016-309; arXiv:1701.02042.
doi: 10.1007/JHEP09(2017)106.

CMS Collaboration.

Erratum to: Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets.

Journal of high energy physics, 1708(08):035, and PUBDB-2018-00412, CMS-EXO-12-055; CERN-EP-2016-178; arXiv:1607.05764.
doi: 10.1007/JHEP08(2017)035.

CMS Collaboration.

Evidence for collectivity in pp collisions at the LHC.

Physics letters / B, 765:193, and PUBDB-2016-06639, CMS-HIN-16-010; CERN-EP-2016-147; arXiv:1606.06198.
doi: 10.1016/j.physletb.2016.12.009.

CMS Collaboration.

Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV.

Physical review / D, 95(1):012003, and PUBDB-2017-01327, CMS-SUS-15-004; CERN-EP-2016-214; arXiv:1609.07658.
doi: 10.1103/PhysRevD.95.012003.

CMS Collaboration.

Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV.

Journal of Instrumentation, 12(02):P02014, and PUBDB-2017-01318, CMS-JME-13-004; CERN-PH-EP-2015-305; arXiv:1607.03663.
doi: 10.1088/1748-0221/12/02/P02014.

CMS Collaboration.

Managing the CMS Data and Monte Carlo Processing during LHC Run 2.

Journal of physics / Conference Series, 898:052012, and PUBDB-2017-13487.
doi: 10.1088/1742-6596/898/5/052012.

CMS Collaboration.

Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV.

Journal of high energy physics, 1703(03):156, and PUBDB-2017-02259, CMS-SMP-14-001; CERN-EP-2016-196; arXiv:1609.05331.
doi: 10.1007/JHEP03(2017)156.

CMS Collaboration.

Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Physical review / D, 96(11):112003, and PUBDB-2017-13850, CMS-FSQ-16-004; CERN-EP-2017-091; arXiv:1706.10194.
doi: 10.1103/PhysRevD.96.112003.

CMS Collaboration.

Measurement of electroweak-induced production of $W\gamma$ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings.

Journal of high energy physics, 1706(06):106, and PUBDB-2017-10125, CMS-SMP-14-011; CERN-EP-2016-289; arXiv:1612.09256.
doi: 10.1007/JHEP06(2017)106.

CMS Collaboration.

Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV.

Physical review / C, 96(1):015202, and PUBDB-2017-10110, CMS-HIN-13-005; CERN-EP-2016-217; arXiv:1609.05383.
doi: 10.1103/PhysRevC.96.015202.

CMS Collaboration.

Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

The European physical journal / C, 77(4):269, and PUBDB-2017-02342, CMS-HIN-14-009; CERN-EP-2017-009; arXiv:1702.01462.
doi: 10.1140/epjc/s10052-017-4828-3.

CMS Collaboration.

Measurement of the $B^\pm$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

Physical review letters, 119(15):152301, and PUBDB-2017-11825, CMS-HIN-16-011; CERN-EP-2017-076; arXiv:1705.04727.
doi: 10.1103/PhysRevLett.119.152301.

CMS Collaboration.

Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 770:380, and PUBDB-2017-10162, CMS-SMP-14-018; CERN-EP-2016-308; arXiv:1702.03025.
doi: 10.1016/j.physletb.2017.04.071.

CMS Collaboration.

Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Physical review / D, 96(7):072005, and PUBDB-2017-11816, CMS-SMP-16-005; CERN-EP-2017-142; arXiv:1707.05979.
doi: 10.1103/PhysRevD.96.072005.

CMS Collaboration.

Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV.

Physics letters / B, 771:435, and PUBDB-2017-10109, CMS-BPH-15-004; CERN-EP-2016-198; arXiv:1609.00873.
doi: 10.1016/j.physletb.2017.05.074.

CMS Collaboration.

Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1708(08):046, and PUBDB-2017-10143, CMS-FSQ-16-002; CERN-EP-2016-313; arXiv:1701.08695.
doi: 10.1007/JHEP08(2017)046.

CMS Collaboration.

Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 770:50, and PUBDB-2017-02291, CMS-TOP-12-031; CERN-EP-2016-249; arXiv:1610.09551.
doi: 10.1016/j.physletb.2017.04.028.

CMS Collaboration.

Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV.

The European physical journal / C, 77(2):92, and PUBDB-2017-02263, CMS-SMP-14-020; CERN-EP-2016-190; arXiv:1608.07561.
doi: 10.1140/epjc/s10052-016-4573-z.

CMS Collaboration.

Measurement of the semileptonic $t\bar{t} + \gamma$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1710(10):006, and PUBDB-2017-11847, CMS-TOP-14-008; CERN-EP-2017-112; arXiv:1706.08128.
doi: 10.1007/JHEP10(2017)006.

CMS Collaboration.

Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b\ell}$, M_{T2} , and $M_{b\ell\nu}$ in pp collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 96(3):032002, and PUBDB-2017-10164, CMS-TOP-15-008; CERN-EP-2017-050; arXiv:1704.06142.
doi: 10.1103/PhysRevD.96.032002.

CMS Collaboration.

Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV.

The European physical journal / C, 77(5):354, and PUBDB-2017-10159, CMS-TOP-15-001; CERN-EP-2017-012; arXiv:1703.02530.
doi: 10.1140/epjc/s10052-017-4912-8.

CMS Collaboration.

Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1702(02):096, and PUBDB-2017-01310, CMS-SMP-14-012; CERN-EP-2016-152; arXiv:1606.05864.
doi: 10.1007/JHEP02(2017)096.

CMS Collaboration.

Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays.

Journal of high energy physics, 1703(03):032, and PUBDB-2017-02251, CMS-HIG-15-010; CERN-EP-2016-125;

arXiv:1606.01522.

doi: 10.1007/JHEP03(2017)032.

CMS Collaboration.

Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions.

The European physical journal / C, 77(11):746, and PUBDB-2017-13837, CMS-SMP-16-011; CERN-EP-2017-061; arXiv:1705.02628.

doi: 10.1140/epjc/s10052-017-5286-7.

CMS Collaboration.

Measurement of the $t\bar{t}$ production cross section using events in the $e\mu$ final state in pp collisions at $\sqrt{s} = 13$ TeV.

The European physical journal / C, 77(3):172, and PUBDB-2017-02308, CMS-TOP-16-005; CERN-EP-2016-265; arXiv:1611.04040.

doi: 10.1140/epjc/s10052-017-4718-8.

CMS Collaboration.

Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1709(09):051, and PUBDB-2017-11810, CMS-TOP-16-006; CERN-EP-2016-321; arXiv:1701.06228.

doi: 10.1007/JHEP09(2017)051.

CMS Collaboration.

Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV.

Physics letters / B, 766:268, and PUBDB-2017-01316, CMS-SMP-16-002; CERN-EP-2016-169; arXiv:1607.06943.

doi: 10.1016/j.physletb.2017.01.011.

CMS Collaboration.

Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 95(5):052002, and PUBDB-2017-02297, CMS-SMP-14-023; CERN-EP-2016-231; CERN-PH-EP-2016-231; arXiv:1610.04222.

doi: 10.1103/PhysRevD.95.052002.

CMS Collaboration.

Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1704(04):022, and PUBDB-2017-02335, CMS-SMP-14-013; CERN-EP-2016-256; arXiv:1611.03844.

doi: 10.1007/JHEP04(2017)022.

CMS Collaboration.

Measurements of jet charge with dijet events in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1710(10):131, and PUBDB-2017-11848, CMS-SMP-15-003; CERN-EP-2017-085; arXiv:1706.05868.

doi: 10.1007/JHEP10(2017)131.

CMS Collaboration.

Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1711(11):047, and PUBDB-2017-13853, CMS-HIG-16-041; CERN-EP-2017-123; arXiv:1706.09936.

doi: 10.1007/JHEP11(2017)047.

CMS Collaboration.

Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV.

The European physical journal / C, 77(11):751, and PUBDB-2017-13832, CMS-SMP-14-010; CERN-EP-2016-254; arXiv:1611.06507.

doi: 10.1140/epjc/s10052-017-5140-y.

CMS Collaboration.

Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

Physics letters / B, 772:306, and PUBDB-2017-10129, CMS-HIN-15-012; CERN-EP-2016-274; arXiv:1612.08972.

doi: 10.1016/j.physletb.2017.06.053.

CMS Collaboration.

Measurements of the $pp \rightarrow W\gamma\gamma$ and $pp \rightarrow Z\gamma\gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1710(10):072, and PUBDB-2017-11814, CMS-SMP-15-008; CERN-EP-2017-039; arXiv:1704.00366.

doi: 10.1007/JHEP10(2017)072.

CMS Collaboration.

Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections.

The European physical journal / C, 77(1):15, and PUBDB-2017-01306, CMS-TOP-12-006; CERN-EP-2016-016; arXiv:1602.09024.

doi: 10.1140/epjc/s10052-016-4504-z.

CMS Collaboration.

Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC.

Physics letters / B, 768:103, and PUBDB-2017-01313, CMS-HIN-15-006; CERN-EP-2016-105; arXiv:1605.06699.

doi: 10.1016/j.physletb.2017.01.075.

CMS Collaboration.

Observation of $\Upsilon(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1705(05):013, and PUBDB-2017-10118, CMS-BPH-14-008; CERN-EP-2016-237; arXiv:1610.07095.

doi: 10.1007/JHEP05(2017)013.

CMS Collaboration.

Observation of charge-dependent azimuthal correlations in pPb collisions and its implication for the search for the chiral magnetic effect.

Physical review letters, 118(12):122301, and PUBDB-2017-02269, CMS-HIN-16-009; CERN-EP-2016-236;

arXiv:1610.00263.

doi: 10.1103/PhysRevLett.118.122301.

CMS Collaboration.

Observation of the decay $B^+ \rightarrow \psi(2S)\phi(1020)K^+$ in pp collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 764:66, and PUBDB-2016-06647, CMS-BPH-13-009; CERN-EP-2016-161; arXiv:1607.02638.

doi: 10.1016/j.physletb.2016.11.001.

CMS Collaboration.

Observation of top quark production in proton-nucleus collisions.

Physical review letters, 119(24):242001, and PUBDB-2017-13929, CMS-HIN-17-002; CERN-EP-2017-239; arXiv:1709.07411.

doi: 10.1103/PhysRevLett.119.242001.

CMS Collaboration.

Particle-flow reconstruction and global event description with the CMS detector.

Journal of Instrumentation, 12(10):P10003, and PUBDB-2017-11850, CMS-PRF-14-001; CERN-EP-2017-110; arXiv:1706.04965.

doi: 10.1088/1748-0221/12/10/P10003.

CMS Collaboration.

Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS.

Physical review / C, 96(6):064902, and PUBDB-2017-13861, CMS-HIN-15-010; CERN-EP-2017-133; arXiv:1708.07113.

doi: 10.1103/PhysRevC.96.064902.

CMS Collaboration.

Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

Physical review / C, 96(1):014915, and PUBDB-2018-00560, CMS-HIN-14-008; CERN-EP-2016-042; arXiv:1604.05347.

doi: 10.1103/PhysRevC.96.014915.

CMS Collaboration.

Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV.

Physics letters / B, 775:315, and PUBDB-2017-13854, CMS-EXO-16-026; CERN-EP-2017-125; arXiv:1706.08578.

doi: 10.1016/j.physletb.2017.11.001.

CMS Collaboration.

Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1709(09):053, and PUBDB-2017-11798, CMS-B2G-16-013; CERN-EP-2017-035; arXiv:1703.06352.

doi: 10.1007/JHEP09(2017)053.

CMS Collaboration.

Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1711(11):010, and PUBDB-2017-13864, CMS-HIG-15-009; CERN-EP-2017-159; arXiv:1707.07283.

doi: 10.1007/JHEP11(2017)010.

CMS Collaboration.

Search for anomalous couplings in boosted WW/WZ $\rightarrow \ell\nu q\bar{q}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 772:21, and PUBDB-2017-10146, CMS-SMP-13-008; CERN-EP-2017-029; arXiv:1703.06095.

doi: 10.1016/j.physletb.2017.06.009.

CMS Collaboration.

Search for anomalous Wtb couplings and flavour-changing neutral currents in t -channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV.

Journal of high energy physics, 1702(02):028, and PUBDB-2017-01332, CMS-TOP-14-007; CERN-EP-2016-207; arXiv:1610.03545.

doi: 10.1007/JHEP02(2017)028.

CMS Collaboration.

Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\gamma\gamma$ at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1710(10):180, and PUBDB-2017-13834, CMS-EXO-16-012; CERN-EP-2017-027; arXiv:1703.05236.

doi: 10.1007/JHEP10(2017)180.

CMS Collaboration.

Search for black holes in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Physics letters / B, 774:279, and PUBDB-2017-11846, CMS-EXO-15-007; CERN-EP-2017-074; arXiv:1705.01403.

doi: 10.1016/j.physletb.2017.09.053.

CMS Collaboration.

Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s} = 13$ TeV.

Physical review letters, 119(14):141802, and PUBDB-2017-11829, CMS-HIG-16-027; CERN-EP-2017-068; arXiv:1705.02942.

doi: 10.1103/PhysRevLett.119.141802.

CMS Collaboration.

Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1703(03):101, and PUBDB-2017-02338, CMS-TOP-16-001; CERN-EP-2016-266; CMS-TO-16-001; arXiv:1611.08931.

doi: 10.1007/JHEP03(2017)101.

CMS Collaboration.

Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV.

Physical review letters, 118(2):021802, and PUBDB-2017-01311, CMS-SUS-14-019; CERN-EP-2016-096; arXiv:1605.09305.

doi: 10.1103/PhysRevLett.118.021802.

CMS Collaboration.

Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1703(03):061, and PUBDB-2017-02341, CMS-EXO-16-010; CERN-EP-2016-309; FERMILAB-PUB-17-011-CMS; arXiv:1701.02042.
doi: 10.1007/JHEP03(2017)061.

CMS Collaboration.

Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV.
The European physical journal / C, C77(12):845, and PUBDB-2018-00251, CMS-EXO-16-005; CERN-EP-2017-087; arXiv:1706.02581.
doi: 10.1140/epjc/s10052-017-5317-4.

CMS Collaboration.

Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1707(07):014, and PUBDB-2017-10160, CMS-EXO-16-037; CERN-EP-2017-031; arXiv:1703.01651.
doi: 10.1007/JHEP07(2017)014.

CMS Collaboration.

Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models.
Physics letters / B, 769:520, and PUBDB-2017-01335, CMS-EXO-16-032; CERN-EP-2016-277; arXiv:1611.03568.
doi: 10.1016/j.physletb.2017.02.012.

CMS Collaboration.

Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1710(10):005, and PUBDB-2017-11801, CMS-SUS-16-049; CERN-EP-2017-129; arXiv:1707.03316.
doi: 10.1007/JHEP10(2017)005.

CMS Collaboration.

Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states.
Journal of high energy physics, 1704(04):136, and PUBDB-2017-02340, CMS-B2G-16-005; CERN-EP-2016-290; arXiv:1612.05336.
doi: 10.1007/JHEP04(2017)136.

CMS Collaboration.

Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1711(11):029, and PUBDB-2017-13851, CMS-SUS-16-043; CERN-EP-2017-113; arXiv:1706.09933.
doi: 10.1007/JHEP11(2017)029.

CMS Collaboration.

Search for electroweak production of charginos in final states with two τ leptons in pp collisions at $\sqrt{s} = 8$ TeV.
Journal of high energy physics, 1704(04):018, and PUBDB-2017-02294, CMS-SUS-14-022; CERN-EP-2016-225; arXiv:1610.04870.
doi: 10.1007/JHEP04(2017)018.

CMS Collaboration.

Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV.
Physical review letters, 119(22):221802, and PUBDB-2017-13858, CMS-EXO-17-006; CERN-EP-2017-194; arXiv:1708.07962.
doi: 10.1103/PhysRevLett.119.221802.

CMS Collaboration.

Search for heavy gauge W' boson in events with an energetic lepton and large missing transverse momentum at $\sqrt{s} = 13$ TeV.
Physics letters / B, 770:278, and PUBDB-2017-10127, CMS-EXO-15-006; CERN-EP-2016-281; arXiv:1612.09274.
doi: 10.1016/j.physletb.2017.04.043.

CMS Collaboration.

Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying τ leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1703(03):077, and PUBDB-2017-02337, CMS-EXO-16-016; CERN-EP-2016-286; arXiv:1612.01190.
doi: 10.1007/JHEP03(2017)077.

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.
Physics letters / B, 768:137, and PUBDB-2017-01329, CMS-B2G-16-003; CERN-EP-2016-226; arXiv:1610.08066.
doi: 10.1016/j.physletb.2017.02.040.

CMS Collaboration.

Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV.
Journal of high energy physics, 1702(02):048, and PUBDB-2017-01334, CMS-EXO-16-008; CERN-EP-2016-273; arXiv:1611.06594.
doi: 10.1007/JHEP02(2017)048.

CMS Collaboration.

Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV.
The European physical journal / C, 77(9):636, and PUBDB-2017-11804, CMS-B2G-17-002; CERN-EP-2017-128; arXiv:1707.01303.
doi: 10.1140/epjc/s10052-017-5192-z.

CMS Collaboration.

Search for Higgs boson pair production in the $b\bar{b}\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 8$ TeV.
Physical review / D, 96(7):072004, and PUBDB-2017-11812, CMS-HIG-215-013; CERN-EP-2017-104; arXiv:1707.00350.
doi: 10.1103/PhysRevD.96.072004.

CMS Collaboration.

Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search.
Physics letters / B, 767:147, and PUBDB-2017-01325, CMS-EXO-16-027; CERN-EP-2016-216; CMS-EXO-16-02; arXiv:1609.02507.
doi: 10.1016/j.physletb.2017.01.027.

CMS Collaboration.

Search for high-mass $Z\gamma$ resonances in $e^+e^-\gamma$ and $\mu^+\mu^-\gamma$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV.

Journal of high energy physics, 1701(01):076, and PUBDB-2017-01333, CMS-EXO-16-021; CERN-EP-2016-230; arXiv:1610.02960.

doi: 10.1007/JHEP01(2017)076.

CMS Collaboration.

Search for high-mass $Z\gamma$ resonances in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV using jet substructure techniques.

Physics letters / B, 772:363, and PUBDB-2017-10139, CMS-EXO-16-025; CERN-EP-2016-300; arXiv:1612.09516.

doi: 10.1016/j.physletb.2017.06.062.

CMS Collaboration.

Search for leptophobic Z' bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 773:563, and PUBDB-2017-11805, CMS-EXO-14-006; CERN-EP-2016-295; arXiv:1701.01345.

doi: 10.1016/j.physletb.2017.08.069.

CMS Collaboration.

Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1710(10):076, and PUBDB-2017-11803, CMS-HIG-16-015; CERN-EP-2016-292; arXiv:1701.02032.

doi: 10.1007/JHEP10(2017)076.

CMS Collaboration.

Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV.

Physical review letters, 119(11):111802, and PUBDB-2017-11819, CMS-EXO-16-030; CERN-EP-2017-098; arXiv:1705.10532.

doi: 10.1103/PhysRevLett.119.111802.

CMS Collaboration.

Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1703(03):162, and PUBDB-2017-02339, CMS-B2G-16-004; CERN-EP-2016-296; arXiv:1612.09159.

doi: 10.1007/JHEP03(2017)162.

CMS Collaboration.

Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data.

Physics letters / B, 768:57, and PUBDB-2017-01324, CMS-EXO-15-005; CERN-EP-2016-209; arXiv:1609.05391.

doi: 10.1016/j.physletb.2017.02.010.

CMS Collaboration.

Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV.

The European physical journal / C, 77(9):635, and PUBDB-2017-11807, CMS-SUS-16-003; CERN-EP-2016-306; arXiv:1701.06940.

doi: 10.1140/epjc/s10052-017-5182-1.

CMS Collaboration.

Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV.

The European physical journal / C, 77(10):710, and PUBDB-2017-11828, CMS-SUS-16-036; CERN-EP-2017-084; arXiv:1705.04650.

doi: 10.1140/epjc/s10052-017-5267-x.

CMS Collaboration.

Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1710(10):073, and PUBDB-2017-11854, CMS-EXO-16-039; CERN-EP-2017-097; arXiv:1706.03794.

doi: 10.1007/JHEP10(2017)073.

CMS Collaboration.

Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1707(07):013, and PUBDB-2017-10168, CMS-EXO-15-009; CERN-EP-2017-047; arXiv:1703.09986.

doi: 10.1007/JHEP07(2017)013.

CMS Collaboration.

Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1711(11):085, and PUBDB-2017-13848, CMS-B2G-16-024; CERN-EP-2017-107; arXiv:1706.03408.

doi: 10.1007/JHEP11(2017)085.

CMS Collaboration.

Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV.

The European physical journal / C, 77(9):578, and PUBDB-2017-11817, CMS-SUS-16-035; CERN-EP-2017-071; arXiv:1704.07323.

doi: 10.1140/epjc/s10052-017-5079-z.

CMS Collaboration.

Search for R -parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 95(1):012009, and PUBDB-2017-01330, CMS-SUS-14-020; CERN-EP-2016-224; arXiv:1610.05133.

doi: 10.1103/PhysRevD.95.012009.

CMS Collaboration.

Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state.

Physics letters / B, 771:80, and PUBDB-2017-10123, CMS-B2G-15-008; CERN-EP-2016-279; arXiv:1612.00999.

doi: 10.1016/j.physletb.2017.05.019.

CMS Collaboration.

Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Physics letters / B, 772:634, and PUBDB-2017-10144, CMS-B2G-16-006; CERN-EP-2016-319; arXiv:1701.08328.
doi: 10.1016/j.physletb.2017.07.022.

CMS Collaboration.

Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1705(05):029, and PUBDB-2017-10145, CMS-B2G-16-001; CERN-EP-2016-326; arXiv:1701.07409.

doi: 10.1007/JHEP05(2017)029.

CMS Collaboration.

Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Physics letters / B, 772:336, and PUBDB-2017-10161, CMS-TOP-16-016; CERN-EP-2017-023; arXiv:1702.06164.

doi: 10.1016/j.physletb.2017.06.064.

CMS Collaboration.

Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1712(12):142, and PUBDB-2018-01389, CMS-SUS-16-047; CERN-EP-2017-130; arXiv:1707.06193.

doi: 10.1007/JHEP12(2017)142.

CMS Collaboration.

Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Physical review / D, 95(1):012011, and PUBDB-2017-01305, CMS-SUS-15-006; CERN-EP-2016-239; arXiv:1609.09386.

doi: 10.1103/PhysRevD.95.012011.

CMS Collaboration.

Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV.

Physics letters / B, 769:391, and PUBDB-2017-02304, CMS-SUS-15-012; CERN-EP-2016-269; arXiv:1611.06604.

doi: 10.1016/j.physletb.2017.04.005.

CMS Collaboration.

Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV.

Physical review / D, 96(3):032003, and PUBDB-2017-10163, CMS-SUS-16-033; CERN-EP-2017-072; arXiv:1704.07781.

doi: 10.1103/PhysRevD.96.032003.

CMS Collaboration.

Search for Supersymmetry in pp Collisions at $\sqrt{s} = 13$ TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets.

Physical review letters, 119(15):151802, and PUBDB-2017-11826, CMS-SUS-16-037; CERN-EP-2017-088; arXiv:1705.04673.

doi: 10.1103/PhysRevLett.119.151802.

CMS Collaboration.

Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s} = 13$ TeV.

Physical review / D, 96(1):012004, and PUBDB-2017-10135,

CMS-SUS-16-009; CERN-EP-2016-293; arXiv:1701.01954.
doi: 10.1103/PhysRevD.96.012004.

CMS Collaboration.

Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1707(07):121, and PUBDB-2017-10148, CMS-EXO-16-023; CERN-EP-2017-025; arXiv:1703.03995.

doi: 10.1007/JHEP07(2017)121.

CMS Collaboration.

Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1702(02):079, and PUBDB-2017-01331, CMS-TOP-13-017; CERN-EP-2016-208; arXiv:1610.04857.

doi: 10.1007/JHEP02(2017)079.

CMS Collaboration.

Search for top quark partners with charge 5/3 in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1708(08):073, and PUBDB-2017-10170, CMS-B2G-15-006; CERN-EP-2017-102; arXiv:1705.10967.

doi: 10.1007/JHEP08(2017)073.

CMS Collaboration.

Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 8$ TeV using the α_T variable.

Physics letters / B, 767:403, and PUBDB-2017-01312, CMS-SUS-14-006; CERN-EP-2016-103; arXiv:1605.08993.

doi: 10.1016/j.physletb.2017.02.007.

CMS Collaboration.

Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events.

Journal of high energy physics, 1710(10):019, and PUBDB-2017-11852, CMS-SUS-16-051; CERN-EP-2017-109; arXiv:1706.04402.

doi: 10.1007/JHEP10(2017)019.

CMS Collaboration.

Search for $t\bar{t}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV.

Journal of high energy physics, 1707(07):001, and PUBDB-2017-10166, CMS-B2G-16-015; CERN-EP-2017-049; arXiv:1704.03366.

doi: 10.1007/JHEP07(2017)001.

CMS Collaboration.

Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8$, and 13 TeV.

Journal of high energy physics, 1702(02):135, and PUBDB-2017-01328, CMS-HIG-16-016; CERN-EP-2016-240; arXiv:1610.09218.

doi: 10.1007/JHEP02(2017)135.

CMS Collaboration.

Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions.

The European physical journal / C, 77(5):327, and PUBDB-2017-10121, CMS-SUS-16-008; CERN-EP-2016-284; arXiv:1612.03877.

doi: 10.1140/epjc/s10052-017-4853-2.

CMS Collaboration.

Searches for W' bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV.

Journal of high energy physics, 1708(08):029, and PUBDB-2017-11853, CMS-B2G-16-016; CERN-EP-2017-090; arXiv:1706.04260.

doi: 10.1007/JHEP08(2017)029.

CMS Collaboration.

Study of jet quenching with Z+jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

Physical review letters, 119(8):082301, and PUBDB-2017-10142, CMS-HIN-15-013; CERN-EP-2017-002; arXiv:1702.01060.

doi: 10.1103/PhysRevLett.119.082301.

CMS Collaboration.

Suppression and azimuthal anisotropy of prompt and non-prompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV.

The European physical journal / C, 77(4):252, and PUBDB-2017-02301, CMS-HIN-14-005; CERN-EP-2016-243; arXiv:1610.00613.

doi: 10.1140/epjc/s10052-017-4781-1.

CMS Collaboration.

The CMS trigger system.

Journal of Instrumentation, 12(01):P01020, and PUBDB-2017-01326, CMS-TRG-12-001; CERN-EP-2016-160; arXiv:1609.02366.

doi: 10.1088/1748-0221/12/01/P01020.

I. Coman et al.

Spectral curves of $\mathcal{N} = 1$ theories of class $\mathcal{S}_k$.

Journal of high energy physics, 1706(06):136, and PUBDB-2017-06589, DESY-15-248; arXiv:1512.06079.

doi: 10.1007/JHEP06(2017)136.

M. Cornagliotto, M. Lemos and V. Schomerus.

Long multiplet bootstrap.

Journal of high energy physics, 1710(10):119, and PUBDB-2017-11762, DESY-17-026; arXiv:1702.05101.

doi: 10.1007/JHEP10(2017)119.

R. Couso-Santamaría, R. Schiappa and R. Vaz.

On asymptotics and resurgent structures of enumerative Gro-mov–Witten invariants.

Communications in number theory and physics, 11(4):707, and PUBDB-2017-13997, DESY-16-089.

doi: 10.4310/CNTP.2017.v11.n4.a1.

D0 Collaboration.

Combination of D0 measurements of the top quark mass.

Physical review / D, 95(11):112004, and PUBDB-2017-13960, FERMILAB-PUB-17-079-E; arXiv:1703.06994.

doi: 10.1103/PhysRevD.95.112004.

D0 Collaboration.

Measurement of the direct CP violating charge asymmetry in $B^\pm \rightarrow \mu^\pm \nu_\mu D^0$ decays.

Physical review / D, 95(3):031101, and PUBDB-2017-13961, FERMILAB-PUB-16-300-E; arXiv:1608.00863.

doi: 10.1103/PhysRevD.95.031101.

D0 Collaboration.

Measurement of top quark polarization in $t\bar{t}$ lepton+jets final states.

Physical review / D, 95(1):011101, and PUBDB-2017-13962, FERMILAB-PUB-16-284-E; arXiv:1607.07627.

doi: 10.1103/PhysRevD.95.011101.

M. Dalla Brida et al.

Slow running of the gradient flow coupling from 200 MeV to 4 GeV in $N_f = 3$ QCD.

Physical review / D, 95(1):014507, and PUBDB-2017-01039.

doi: 10.1103/PhysRevD.95.014507.

G. D'Amico et al.

An étude on global vacuum energy sequester.

Journal of high energy physics, 1709(09):074, and PUBDB-2017-11830, CERN-TH-2017-115; DESY-17-080; arXiv:1705.08950.

doi: 10.1007/JHEP09(2017)074.

A. De Angelis et al.

The e-ASTROGAM mission.

Experimental astronomy, 44(1):25, and PUBDB-2017-11455, arXiv:1611.02232.

doi: 10.1007/s10686-017-9533-6.

S. Di Vita et al.

Two-loop master integrals for the leading QCD corrections to the Higgs coupling to a W pair and to the triple gauge couplings ZW and $\gamma^* WW$.

Journal of high energy physics, 1704(04):008, and PUBDB-2017-01608, DESY-17-032; arXiv:1702.07331.

doi: 10.1007/JHEP04(2017)008.

S. Di Vita et al.

A global view on the Higgs self-coupling.

Journal of high energy physics, 1709(09):069, and PUBDB-2017-11765, DESY-17-044; arXiv:1704.01953.

doi: 10.1007/JHEP09(2017)069.

C. O. Dib, C. S. Kim and K. Wang.

Search for heavy sterile neutrinos in trileptons at the LHC.

Chinese physics / C, 41(10):103103, and PUBDB-2017-11759, DESY-16-202.

doi: 10.1088/1674-1137/41/10/103103.

C. O. Dib, C. S. Kim and K. Wang.

Signatures of Dirac and Majorana sterile neutrinos in trilepton events at the LHC.

Physical review / D, 95(11):115020, and PUBDB-2017-05993.

doi: 10.1103/PhysRevD.95.115020.

M. Diehl, J. R. Gaunt and K. Schoenwald.

Double hard scattering without double counting.

Journal of high energy physics, 1706(06):083, and PUBDB-2017-05986, DESY-17-013; NIKHEF-2017-007; arXiv:1702.06486.

doi: 10.1007/JHEP06(2017)083.

- P. Diessner et al.
Squark production in R-symmetric SUSY with Dirac gluinos: NLO corrections.
Journal of high energy physics, 1710(10):142, and PUBDB-2017-12787, DESY-17-100; arXiv:1707.04557.
doi: 10.1007/JHEP10(2017)142.
- L. J. Dixon et al.
Heptagons from the Steinmann cluster bootstrap.
Journal of high energy physics, 1702(02):137, and PUBDB-2017-01485, DESY-16-242; arXiv:1612.08976; Brown-HET-1705; SLAC-PUB-16894.
doi: 10.1007/JHEP02(2017)137.
- M. J. Dolan et al.
Revised constraints and Belle II sensitivity for visible and invisible axion-like particles.
Journal of high energy physics, 1712(12):094, and PUBDB-2018-00299, DESY-17-127; arXiv:1709.00009.
doi: 10.1007/JHEP12(2017)094.
- P. Drechsel et al.
Precise predictions for the Higgs-boson masses in the NMSSM.
The European physical journal / C, 77(1):42, and PUBDB-2018-00318, DESY-15-069; arXiv:1601.08100.
doi: 10.1140/epjc/s10052-017-4595-1.
- P. Drechsel et al.
Higgs-boson masses and mixing matrices in the NMSSM: analysis of on-shell calculations.
The European physical journal / C, 77(6):366, and PUBDB-2017-05981, DESY-16-244.
doi: 10.1140/epjc/s10052-017-4932-4.
- I. Dubovyk et al.
New Prospects for the Numerical Calculation of Mellin–Barnes Integrals in Minkowskian Kinematics.
Acta physica Polonica / B, 48(6):995, and PUBDB-2017-12453, arXiv:1704.02288.
doi: 10.5506/APhysPolB.48.995.
- M. Duerr, P. F. Pérez and J. Smirnov.
Baryonic Higgs at the LHC.
Journal of high energy physics, 1709(09):093, and PUBDB-2017-11773, DESY-17-050; arXiv:1704.03811.
doi: 10.1007/JHEP09(2017)093.
- M. Duerr et al.
Hunting the dark Higgs.
Journal of high energy physics, 1704(04):143, and PUBDB-2017-02497, DESY-17-016; arXiv:1701.08780.
doi: 10.1007/JHEP04(2017)143.
- G. Durieux and Y. Grossman.
CP violation: Another piece of the puzzle.
Nature physics, 13(4):322, and PUBDB-2017-05684.
doi: 10.1038/nphys4068.
- G. Durieux et al.
The leptonic future of the Higgs.
Journal of high energy physics, 1709(09):014, and PUBDB-2017-11755.
doi: 10.1007/JHEP09(2017)014.
- M. A. Ebert and F. J. Tackmann.
Resummation of transverse momentum distributions in distribution space.
Journal of high energy physics, 1702(02):110, and PUBDB-2017-01138, DESY-16-215; arXiv:1611.08610.
doi: 10.1007/JHEP02(2017)110.
- M. Ebert, J. K. L. Michel and F. J. Tackmann.
Resummation improved rapidity spectrum for gluon fusion Higgs production.
Journal of high energy physics, 1705(05):088, and PUBDB-2017-05978, DESY-16-216; MS-TP-16-30; arXiv:1702.00794.
doi: 10.1007/JHEP05(2017)088.
- S. Ellis and J. Wells.
High-scale supersymmetry, the Higgs boson mass, and gauge unification.
Physical review / D, 96(5):055024, and PUBDB-2018-00625.
doi: 10.1103/PhysRevD.96.055024.
- C. Englert, J. Ferrando and K. Nordström.
Constraining new resonant physics with top spin polarisation information.
The European physical journal / C, 77(6):407, and PUBDB-2017-14032.
doi: 10.1140/epjc/s10052-017-4964-9.
- J. R. Espinosa et al.
Gauge-independent scales related to the standard model vacuum instability.
Physical review / D, 95(5):056004, and PUBDB-2017-01479, DESY-16-161; arXiv:1608.06765; CERN-TH-2016-187.
doi: 10.1103/PhysRevD.95.056004.
- Fermi-LAT Collaboration.
Cosmic-ray electron-positron spectrum from 7 GeV to 2 TeV with the Fermi Large Area Telescope.
Physical review / D, 95(8):082007, and PUBDB-2017-13651, arXiv:1704.07195.
doi: 10.1103/PhysRevD.95.082007.
- Fermi-LAT Collaboration.
MAGIC detection of very high energy γ -ray emission from the low-luminosity blazar 1ES 1741+196.
Monthly notices of the Royal Astronomical Society, 468(2):1534, and PUBDB-2017-07766.
doi: 10.1093/mnras/stx472.
- Fermi-LAT Collaboration.
Search for Cosmic-Ray Electron and Positron Anisotropies with Seven Years of Fermi Large Area Telescope Data.
Physical review letters, 118(9):091103, and PUBDB-2017-01364.
doi: 10.1103/PhysRevLett.118.091103.
- Fermi-LAT Collaboration.
The Fermi Galactic Center GeV Excess and Implications for Dark Matter.
The astrophysical journal, 840(1):43, and PUBDB-2017-03387, arXiv:1704.03910.
doi: 10.3847/1538-4357/aa6cab.

Fermi-LAT Collaboration and H.E.S.S. Collaboration.

Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155-304 and PG 1553+113.

Astronomy and astrophysics, 600:A89, and PUBDB-2017-00449, arXiv:1612.01843.

doi: 10.1051/0004-6361/201629427.

FLAG Collaboration.

Review of lattice results concerning low-energy particle physics.
The European physical journal / C, 77(2):112, and PUBDB-2017-01363.

doi: 10.1140/epjc/s10052-016-4509-7.

N. Flaschl et al.

Thermal and hydrodynamic studies for micro-channel cooling for largearea silicon sensors in high energy physics experiments.

Nuclear instruments & methods in physics research / A, 863:26, and PUBDB-2017-05447.

doi: 10.1016/j.nima.2017.05.003.

R. Flauger et al.

Drifting oscillations in axion monodromy.

Journal of cosmology and astroparticle physics, 1710(10):055, and PUBDB-2017-13763, SU/ITP-14/29; SLAC-PUB-16165; DESY-14-225; arXiv:1412.1814.

doi: 10.1088/1475-7516/2017/10/055.

C. Fleper et al.

Scattering of W and Z bosons at high-energy lepton colliders.

The European physical journal / C, 77(2):120, and PUBDB-2017-01451, DESY-16-098; arXiv:1607.03030.

doi: 10.1140/epjc/s10052-017-4656-5.

A. Franckowiak et al.

Search for gamma-ray emission from Galactic novae with the Fermi-LAT.

Astronomy and astrophysics, 609:A120, and PUBDB-2017-13647.

doi: 10.1051/0004-6361/201731516.

F. Fraschetti and M. Pohl.

Particle acceleration model for the broad-band baseline spectrum of the Crab nebula.

Monthly notices of the Royal Astronomical Society, 471(4):4856, and PUBDB-2017-11472, arXiv:1702.00816.

doi: 10.1093/mnras/stx1833.

E. Fuchs and G. Weiglein.

Breit-Wigner approximation for propagators of mixed unstable states.

Journal of high energy physics, 1709(09):079, and PUBDB-2017-11757, DESY-16-182; arXiv:1610.06193.

doi: 10.1007/JHEP09(2017)079.

J. Fuster et al.

Extracting the top-quark running mass using $t\bar{t}$ + 1-jet events produced at the Large Hadron Collider.

The European physical journal / C, 77(11):794, and PUBDB-2018-00554, HU-EP-17-05; LAL-17-034; DESY-17-053; arXiv:1704.00540.

doi: 10.1140/epjc/s10052-017-5354-z.

A. Gainutdinov and I. Runkel.

Symplectic fermions and a quasi-Hopf algebra structure on

$U_1 s\ell(2)$.

Journal of algebra, 476:415, and PUBDB-2018-00624.

doi: 10.1016/j.jalgebra.2016.11.026.

GAMBIT Collaboration.

Status of the scalar singlet dark matter model.

The European physical journal / C, 77(8):568, and PUBDB-2018-00528, COEPP-MN-17-10; arXiv:1705.07931; CERN-TH-2017-170; CoEPP-MN-17-10; NORDITA 2017-079.

doi: 10.1140/epjc/s10052-017-5113-1.

S. Gangal et al.

Two-loop beam and soft functions for rapidity-dependent jet vetoes.

Journal of high energy physics, 0217(02):026, and PUBDB-2017-01136, DESY-16-154; MITP-16-078; NIKHEF-2016-032; arXiv:1608.01999.

doi: 10.1007/JHEP02(2017)026.

S. Gao, M. Pohl and W. Winter.

On the direct correlation between gamma-rays and PeV neutrinos from blazars.

The astrophysical journal, 843(2):109, and PUBDB-2017-08770, arXiv:1610.05306.

doi: 10.3847/1538-4357/aa7754.

M. Giannotti et al.

Stellar recipes for axion hunters.

Journal of cosmology and astroparticle physics, 1710(10):010, and PUBDB-2017-11543, DESY-17-116; arXiv:1708.02111.

doi: 10.1088/1475-7516/2017/10/010.

G. Giavitto et al.

The upgrade of the H.E.S.S. cameras.

Nuclear instruments & methods in physics research / A, 876:35, and PUBDB-2018-00555.

doi: 10.1016/j.nima.2016.12.057.

A. Gizhko et al.

Running of the charm-quark mass from HERA deep-inelastic scattering data.

Physics letters / B, 775:233, and PUBDB-2017-12115.

doi: 10.1016/j.physletb.2017.11.002.

A. Goldstein et al.

Fermi Observations of the LIGO Event GW170104.

The astrophysical journal / 2, 846(1):L5, and PUBDB-2017-11471.

doi: 10.3847/2041-8213/aa8319.

M. D. Goodsell, S. Liebler and F. Staub.

Generic calculation of two-body partial decay widths at the full one-loop level.

The European physical journal / C, 77(11):758, and PUBDB-2017-12766, DESY-17-042KA-TP-11-2017; arXiv:1703.09237.

doi: 10.1140/epjc/s10052-017-5259-x.

- J. Green et al.
Up, down, and strange nucleon axial form factors from lattice QCD.
Physical review / D, 95(11):114502, and PUBDB-2017-05459.
doi: 10.1103/PhysRevD.95.114502.
- Gregor, Ingrid-Maria and ATLAS Collaboration.
Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector.
The European physical journal / C, 77(9):580, and PUBDB-2017-10473, CERN-EP-2017-055; arXiv:1705.02211.
doi: 10.1140/epjc/s10052-017-5081-5.
- Gregor, Ingrid-Maria and ATLAS Collaboration.
Measurement of the k_t splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.
Journal of high energy physics, 1708(08):026, and PUBDB-2017-10498, CERN-EP-2017-033; arXiv:1704.01530.
doi: 10.1007/JHEP08(2017)026.
- Gregor, Ingrid-Maria and ATLAS Collaboration.
Measurement of $WW/Z \rightarrow \ell\nu qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings.
The European physical journal / C, 77(8):563, and PUBDB-2017-10494, CERN-EP-2017-060; arXiv:1706.01702.
doi: 10.1140/epjc/s10052-017-5084-2.
- O. Gress et al.
The wide-aperture gamma-ray telescope TAIGA-HiSCORE in the Tunka Valley: Design, composition and commissioning.
Nuclear instruments & methods in physics research / A, 845:367, and PUBDB-2018-00304.
doi: 10.1016/j.nima.2016.08.031.
- J. Gu et al.
Learning from Higgs Physics at Future Higgs Factories.
Journal of high energy physics, 1712(12):153, and PUBDB-2018-00571, FERMILAB-PUB-17-348-T; DESY-17-130; arXiv:1709.06103.
doi: 10.1007/JHEP12(2017)153.
- H1 Collaboration.
Determination of the strong coupling constant $\alpha_s(m_Z)$ in next-to-next-to-leading order QCD using H1 jet cross section measurements.
The European physical journal / C, 77(11):791, and PUBDB-2017-14035, DESY-17-137; arXiv:1709.07251.
doi: 10.1140/epjc/s10052-017-5314-7.
- H1 Collaboration.
Measurement of D^* production in diffractive deep inelastic scattering at HERA.
The European physical journal / C, 77(5):340, and PUBDB-2017-04157, DESY-17-043; arXiv:1703.09476.
doi: 10.1140/epjc/s10052-017-4875-9.
- H1 Collaboration.
Measurement of jet production cross sections in deep-inelastic ep scattering at HERA.
The European physical journal / C, 77(4):215, and PUBDB-2017-02353.
doi: 10.1140/epjc/s10052-017-4717-9.
- A. Verbytskyi.
HERA results on jets and hadronic final states.
19th High-Energy Physics International Conference in Quantum Chromodynamics, Montpellier (France), 4 Jul 2016 - 8 Jul 2016.
Elsevier, Amsterdam [u.a.]
doi: 10.1016/j.nuclphysbps.2016.12.009.
- T. Hahn and S. Paßehr.
Implementation of the $\mathcal{O}(\alpha_t^2)$ MSSM Higgs-mass corrections in FeynHiggs.
Computer physics communications, 214:91, and PUBDB-2017-01480, DESY-15-127; arXiv:1508.00562.
doi: 10.1016/j.cpc.2017.01.026.
- J. Halverson, B. D. Nelson and F. Ruehle.
String theory and the dark glueball problem.
Physical review / D, 95(4):043527, and PUBDB-2017-01481, DESY-16-170; arXiv:1609.02151.
doi: 10.1103/PhysRevD.95.043527.
- T. Harenberg et al.
Online production validation in a HEP environment.
The European physical journal / C, 77(3):188, and PUBDB-2018-00497, arXiv:1611.10112.
doi: 10.1140/epjc/s10052-017-4755-3.
- R. V. Harlander, S. Liebler and H. Mantler.
SusHi Bento: Beyond NNLO and the heavy- top limit.
Computer physics communications, 212:239, and PUBDB-2016-06544, DESY-16-061.
doi: 10.1016/j.cpc.2016.10.015.
- B. von Harling and G. Servant.
Cosmological evolution of Yukawa couplings: the 5D perspective.
Journal of high energy physics, 1705(05):077, and PUBDB-2017-05979, DESY-16-221; arXiv:1612.02447.
doi: 10.1007/JHEP05(2017)077.
- T. Hassan et al.
Monte Carlo performance studies for the site selection of the Cherenkov Telescope Array.
Astroparticle physics, 93:76, and PUBDB-2017-07767.
doi: 10.1016/j.astropartphys.2017.05.001.
- F. Hautmann et al.
Soft-gluon resolution scale in QCD evolution equations.
Physics letters / B, 772:446, and PUBDB-2017-09225, DESY-16-174; arXiv:1704.01757.
doi: 10.1016/j.physletb.2017.07.005.
- J. Hayling et al.
Exact deconstruction of the 6D (2,0) theory.
Journal of high energy physics, 1706(06):072, and PUBDB-2017-05991, DESY-17-030; arXiv:1704.02986.
doi: 10.1007/JHEP06(2017)072.
- HERMES Collaboration.
Ratios of helicity amplitudes for exclusive ρ^0 electroproduction on transversely polarized protons.
The European physical journal / C, 77(6):378, and PUBDB-2017-04871, DESY-17-017; arXiv:1702.00345.
doi: 10.1140/epjc/s10052-017-4899-1.

H.E.S.S. Collaboration.

A polarized fast radio burst at low Galactic latitude.

Monthly notices of the Royal Astronomical Society, 469(4):4465, and PUBDB-2018-00585, arXiv:1705.02911.
doi: 10.1093/mnras/stx1098.

H.E.S.S. Collaboration.

Extended VHE γ -Ray Emission Towards SGR1806-20, LBV1806-20, and Stellar Cluster Cl*1806-20.

Astronomy and astrophysics, X:10, and PUBDB-2017-11577, arXiv:1606.05404.
doi: 10.1051/0004-6361/201628695.

H.E.S.S. Collaboration.

Measurement of the EBL Spectral Energy Distribution Using the VHE γ -ray Spectra of H.E.S.S. Blazars.

Astronomy and astrophysics, 606:A59, and PUBDB-2017-11578, arXiv:1707.06090.
doi: 10.1051/0004-6361/201731200.

H.E.S.S. Collaboration.

TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with H.E.S.S.

The astrophysical journal / 2, 850(2):L22, and PUBDB-2017-12826, arXiv:1710.05862.
doi: 10.3847/2041-8213/aa97d2.

M. Hoffman.

On multiple zeta values of even arguments.

International journal of number theory, 13(03):705, and PUBDB-2018-00306.
doi: 10.1142/S179304211750035X.

X. Huang et al.

The Extinction Properties of and Distance to the Highly Reddened Type IA Supernova 2012cu.

The astrophysical journal, 836(2):157, and PUBDB-2018-00499.
doi: 10.3847/1538-4357/836/2/157.

IceCube Collaboration.

Astrophysical neutrinos and cosmic rays observed by IceCube.

Advances in space research, x:S0273117717303757, and PUBDB-2018-00003.
doi: 10.1016/j.asr.2017.05.030.

IceCube Collaboration.

Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data.

The astrophysical journal, 849(1):67, and PUBDB-2017-12245, arXiv:1707.03416.
doi: 10.3847/1538-4357/aa8dfb.

IceCube Collaboration.

Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data.

The astrophysical journal, 843(2):112, and PUBDB-2017-07768.
doi: 10.3847/1538-4357/aa7569.

IceCube Collaboration.

Measurement of the ν_μ energy spectrum with IceCube-79.

The European physical journal / C, 77(10):692, and PUBDB-2017-11704, arXiv:1705.07780.
doi: 10.1140/epjc/s10052-017-5261-3.

IceCube Collaboration.

PINGU: A Vision for Neutrino and Particle Physics at the South Pole.

Journal of physics / G, 44(5):054006, and PUBDB-2017-09958, arXiv:1607.02671.
doi: 10.1088/1361-6471/44/5/054006.

IceCube Collaboration.

Search for annihilating dark matter in the Sun with 3 years of IceCube data.

The European physical journal / C, 77(3):146, and PUBDB-2017-01471.
doi: 10.1140/epjc/s10052-017-4689-9.

IceCube Collaboration.

Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube.

The astrophysical journal, 846(2):136, and PUBDB-2017-11452, arXiv:1705.02383.
doi: 10.3847/1538-4357/aa8508.

IceCube Collaboration.

Search for sterile neutrino mixing using three years of IceCube DeepCore data.

Physical review / D, 95(11):112002, and PUBDB-2017-06711.
doi: 10.1103/PhysRevD.95.112002.

IceCube Collaboration.

The contribution of Fermi-2LAC blazars to the diffuse TeV-PeV neutrino flux.

The astrophysical journal, 835(1):45, and PUBDB-2017-00648, arXiv:1611.03874.
doi: 10.3847/1538-4357/835/1/45.

IceCube Collaboration.

The IceCube Neutrino Observatory: instrumentation and on-line systems.

Journal of Instrumentation, 12(03):P03012, and PUBDB-2017-01470, arXiv:1612.05093.
doi: 10.1088/1748-0221/12/03/P03012.

IceCube Collaboration.

The IceCube realtime alert system.

Astroparticle physics, 92:30, and PUBDB-2017-04973, arXiv:1612.06028.
doi: 10.1016/j.astropartphys.2017.05.002.

IceCube Collaboration and IceCube Collaboration.

All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data.

The astrophysical journal, 835(2):151, and PUBDB-2018-00004, arXiv:1609.04981.
doi: 10.3847/1538-4357/835/2/151.

F. Jegerlehner and K. Kołodziej.

Photon radiation in $e^+e^- \rightarrow$ hadrons at low energies with carlomat_{3,1}.

The European physical journal / C, 77(4):254, and PUBDB-2017-06699, DESY-17-001; HU-EP-17-01; arXiv:1701.01837.
doi: 10.1140/epjc/s10052-017-4816-7.

F. Kahlhoefer.

Review of LHC dark matter searches.

International journal of modern physics / A, 32:1730006, and PUBDB-2017-01489, DESY-17-024; arXiv:1702.02430.
doi: 10.1142/S0217751X1730006X.

F. Kahlhoefer, S. Kulkarni and S. Wild.

Exploring Light Mediators with Low-Threshold Direct Detection Experiments.

Journal of cosmology and astroparticle physics, 2017(11):016, and PUBDB-2017-12773, DESY-17-113.
doi: 10.1088/1475-7516/2017/11/016.

F. Kahlhoefer, K. Schmidt-Hoberg and S. Wild.

Dark matter self-interactions from a general spin-0 mediator.

Journal of cosmology and astroparticle physics, 1708(08):003, and PUBDB-2017-09578, DESY-17-052; arXiv:1704.02149.
doi: 10.1088/1475-7516/2017/08/003.

K. Kanisaukas et al.

Radiation hardness studies of AMS HV-CMOS 350 nm prototype chip HVStripV1.

Journal of Instrumentation, 12(02):P02010, and PUBDB-2018-00559.
doi: 10.1088/1748-0221/12/02/P02010.

H. Kastrop.

Wigner functions for angle and orbital angular momentum: Operators and dynamics.

Physical review / A, 95(5):052111, and PUBDB-2017-07444.
doi: 10.1103/PhysRevA.95.052111.

V. Khachatryan et al.

Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV.

The European physical journal / C, 77(4):236, and PUBDB-2017-02256, CMS-SMP-14-014; CERN-EP-2016-205; arXiv:1609.05721.
doi: 10.1140/epjc/s10052-017-4730-z.

V. Khachatryan et al.

A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable.

The European physical journal / C, 77(5):294, and PUBDB-2017-10115, CMS-SUS-15-005; CERN-EP-2016-246; arXiv:1611.00338.
doi: 10.1140/epjc/s10052-017-4787-8.

S. Klepser.

The optimal on-source region size for detections with counting-type telescopes.

Astroparticle physics, 89:10, and PUBDB-2017-01945.
doi: 10.1016/j.astropartphys.2017.01.005.

KLOE-2 Collaboration.

Measurement of the running of the fine structure constant below 1 GeV with the KLOE detector-2.

Physics letters / B, 767:485, and PUBDB-2017-12398, arXiv:1609.06631.
doi: 10.1016/j.physletb.2016.12.016.

O. Kobzar et al.

Spatio-temporal evolution of the non-resonant instability in shock precursors of young supernova remnants.

Monthly notices of the Royal Astronomical Society, 469(4):4985, and PUBDB-2017-13687.
doi: 10.1093/mnras/stx1201.

H. Kowalski et al.

Decoupling of the leading contribution in the discrete BFKL Analysis of High-Precision HERA Data.

The European physical journal / C, C77(11):777, and PUBDB-2018-00117, DESY-17-090; arXiv:1707.01460.
doi: 10.1140/epjc/s10052-017-5359-7.

M. Krause, E. Pueschel and G. Maier.

Improved γ /hadron separation for the detection of faint γ -ray sources using boosted decision trees.

Astroparticle physics, 89:1, and PUBDB-2017-01279.
doi: 10.1016/j.astropartphys.2017.01.004.

J. C. Lau et al.

Interstellar gas towards the TeV γ -ray sources HESS J1640-465 and HESS J1641-463.

Monthly notices of the Royal Astronomical Society, 464(3):3757, and PUBDB-2017-02480.
doi: 10.1093/mnras/stw2692.

M. Lemos et al.

Bootstrapping $\mathcal{N} = 3$ superconformal theories.

Journal of high energy physics, 1704(04):032, and PUBDB-2017-01837, DESY-16-237.
doi: 10.1007/JHEP04(2017)032.

S. Liebler, S. Patel and G. Weiglein.

Phenomenology of on-shell Higgs production in the MSSM with complex parameters.

The European physical journal / C, 77(5):305, and PUBDB-2017-05972, DESY-16-190; arXiv:1611.09308.
doi: 10.1140/epjc/s10052-017-4849-y.

P. Liendo.

Revisiting the dilatation operator of the Wilson-Fisher fixed point.

Nuclear physics / B, 920:368, and PUBDB-2017-05983, DESY-17-002; arXiv:1701.04830.
doi: 10.1016/j.nuclphysb.2017.04.020.

S. Lombardo et al.

SCALA: In situ calibration for integral field spectrographs.

Astronomy and astrophysics, 607:A113, and PUBDB-2018-00309.
doi: 10.1051/0004-6361/201731076.

V. López-Barquero et al.

TeV Cosmic-Ray Anisotropy from the Magnetic Field at the Heliospheric Boundary.

The astrophysical journal, 842(1):54, and PUBDB-2017-10020.
doi: 10.3847/1538-4357/aa74d1.

G. Lucchetta et al.

Scientific Performance of a Nano-satellite MeV Telescope.

The astronomical journal, 153(5):237, and PUBDB-2017-13641.
doi: 10.3847/1538-3881/aa6a1b.

C. Lunardini and W. Winter.

High energy neutrinos from the tidal disruption of stars.

Physical review / D, 95(12):123001, and PUBDB-2017-08952, arXiv:1612.03160.

doi: 10.1103/PhysRevD.95.123001.

A. Luszczak and H. Kowalski.

Dipole model analysis of highest precision HERA data, including very low Q^2 .

Physical review / D, D95(1):014030, and PUBDB-2017-00952, DESY-16-231; DESY-REPORT-16-231; arXiv:1611.10100.

doi: 10.1103/PhysRevD.95.014030.

T. Luthe et al.

Complete renormalization of QCD at five loops.

Journal of high energy physics, 1703(03):020, and PUBDB-2017-03382, BI-TP-2017-01; DESY-17-011; IPPP-17-7; arXiv:1701.07068.

doi: 10.1007/JHEP03(2017)020.

T. Luthe et al.

Five-loop quark mass and field anomalous dimensions for a general gauge group.

Journal of high energy physics, 1701(01):081, and PUBDB-2017-00790.

doi: 10.1007/JHEP01(2017)081.

T. Luthe et al.

The five-loop Beta function for a general gauge group and anomalous dimensions beyond Feynman gauge.

Journal of high energy physics, 1710(10):166, and PUBDB-2017-12456, DESY-17-142; BI-TP-2017-13; IPPP-17-68; arXiv:1709.07718;

doi: 10.1007/JHEP10(2017)166.

MAGIC Collaboration.

A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A.

Monthly notices of the Royal Astronomical Society, 472(3):2956, and PUBDB-2018-00436, arXiv:1707.01583.

doi: 10.1093/mnras/stx2079.

MAGIC Collaboration.

First Multi-wavelength Campaign on the Gamma-ray-loud Active Galaxy IC 310.

Astronomy and astrophysics, 603:A25, and PUBDB-2018-00463, arXiv:1703.07651.

doi: 10.1051/0004-6361/201630347.

MAGIC Collaboration.

MAGIC observations of the microquasar V404 Cygni during the 2015 outburst.

Monthly notices of the Royal Astronomical Society, 471(2):1688, and PUBDB-2018-00465, arXiv:1707.00887.

doi: 10.1093/mnras/stx1690.

MAGIC Collaboration.

Multiwavelength observations of a VHE gamma-ray flare from PKS 1510-089 in 2015.

Astronomy and astrophysics, 603:A29, and PUBDB-2018-00435, arXiv:1610.09416.

doi: 10.1051/0004-6361/201629960.

MAGIC Collaboration.

Observation of the Black Widow B1957+20 millisecond pulsar binary system with the MAGIC telescopes.

Monthly notices of the Royal Astronomical Society, 470(4):4608, and PUBDB-2017-10005, arXiv:1706.01378.

doi: 10.1093/mnras/stx1405.

MAGIC Collaboration.

Search for very high-energy gamma-ray emission from the microquasar CygnusX-1 with the MAGIC telescopes.

Monthly notices of the Royal Astronomical Society, 472(3):3474, and PUBDB-2018-00864, arXiv:1708.03689.

doi: 10.1093/mnras/stx2087.

MAGIC Collaboration.

Very-high-energy gamma-ray observations of the Type Ia Supernova SN 2014J with the MAGIC telescopes.

Astronomy and astrophysics, 602:A98, and PUBDB-2018-00433, arXiv:1702.07677.

doi: 10.1051/0004-6361/201629574.

MAGIC Collaboration and VERITAS Collaboration.

Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009.

Astronomy and astrophysics, 603:A31, and PUBDB-2017-09408, arXiv:1612.09472.

doi: 10.1051/0004-6361/201629540.

I. de Medeiros Varzielas, R. W. Rasmussen and J. Talbert.

Bottom-up discrete symmetries for Cabibbo mixing.

International journal of modern physics / A, 32(06n07):1750047, and PUBDB-2017-01466.

doi: 10.1142/S0217751X17500476.

V. Mitev and E. Pomoni.

2D CFT blocks for the 4D class $\mathcal{S}_k$ theories.

Journal of high energy physics, 1708(08):009, and PUBDB-2017-09606, DESY-17-029; MITP-17-012; arXiv:1703.00736.

doi: 10.1007/JHEP08(2017)009.

J. Mo, F. J. Tackmann and W. J. Waalewijn.

A Case Study of Quark-Gluon Discrimination at NNLL' in Comparison to Parton Showers.

The European physical journal / C, 77(11):770, and PUBDB-2017-12772, DESY-17-111.

doi: 10.1140/epjc/s10052-017-5365-9.

R. D. Monkhoev et al.

The Tunka-Grande experiment.

Journal of Instrumentation, 12(06):C06019, and PUBDB-2018-00515.

doi: 10.1088/1748-0221/12/06/C06019.

I. Moutl et al.

Subleading power corrections for N -jettiness subtractions.

Physical review / D, 95(7):074023, and PUBDB-2017-01801, MIT-CTP-4855; DESY-16-229; arXiv:1612.00450.

doi: 10.1103/PhysRevD.95.074023.

M. Mühlleitner et al.

Phenomenological comparison of models with extended Higgs sectors.

Journal of high energy physics, 1708(08):132, and PUBDB-2017-11767, DESY-17-046; KA-TP-10-2017;

- arXiv:1703.07750.
doi: 10.1007/JHEP08(2017)132.
- M. Mühleitner et al.
The N2HDM under theoretical and experimental scrutiny.
Journal of high energy physics, 1703(03):094, and PUBDB-2017-01612, arXiv:1612.01309; KA-TP-39-2016.
doi: 10.1007/JHEP03(2017)094.
- K.-I. Nishikawa et al.
Microscopic Processes in Global Relativistic Jets Containing Helical Magnetic Fields: Dependence on Jet Radius.
Galaxies, 5(4):58, and PUBDB-2017-12238, arXiv:1708.07740.
doi: 10.3390/galaxies5040058.
- S. Ohm and C. Hoischen.
On the expected γ -ray emission from nearby flaring stars.
Monthly notices of the Royal Astronomical Society, 474(1):1335, and PUBDB-2018-00067, arXiv:1710.09385.
doi: 10.1093/mnras/stx2806.
- OLYMPUS Collaboration.
Hard Two-Photon Contribution to Elastic Lepton-Proton Scattering Determined by the OLYMPUS Experiment.
Physical review letters, 118(9):092501, and PUBDB-2016-05579, DESY-16-217; arXiv:1611.04685.
doi: 10.1103/PhysRevLett.118.092501.
- N. Orlofsky, A. Pierce and J. Wells.
Inflationary theory and pulsar timing investigations of primordial black holes and gravitational waves.
Physical review / D, 95(6):063518, and PUBDB-2017-01602.
doi: 10.1103/PhysRevD.95.063518.
- F. G. Pedro and A. Westphal.
Nonequilibrium random matrix theory: Transition probabilities.
Physical review / E, 95(3):032144, and PUBDB-2017-01596.
doi: 10.1103/PhysRevE.95.032144.
- F. Pedro and A. Westphal.
Inflation with a Graceful Exit in a Random Landscape.
Journal of high energy physics, 2017(3):163, and PUBDB-2017-01557, IFT-UAM-CSIC-16-128 DESY-16-224; arXiv:1611.07059.
doi: 10.1007/JHEP03(2017)163.
- M. Perucho, V. Bosch-Ramon and M. Barkov.
Impact of red giant/AGB winds on active galactic nucleus jet propagation.
Astronomy and astrophysics, 606:A40, and PUBDB-2018-00443.
doi: 10.1051/0004-6361/201630117.
- Pierre Auger Collaboration.
Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory.
Journal of cosmology and astroparticle physics, 2017(04):038, and PUBDB-2017-08950, arXiv:1612.07155; FERMILAB-PUB-16-618.
doi: 10.1088/1475-7516/2017/04/038.
- Pierre Auger Collaboration.
Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory.
Journal of Instrumentation, 12(03):P03002, and PUBDB-2017-01365, FERMILAB-PUB-16-656-AD-CD-TD.
doi: 10.1088/1748-0221/12/03/P03002.
- P. Pietrulewicz et al.
Factorization and Resummation for Massive Quark Effects in Exclusive Drell-Yan.
Journal of high energy physics, 1708(08):114, and PUBDB-2017-11858, DESY-16-199; UWTHPH-2017-3; HU-EP-16-42; arXiv:1703.09702.
doi: 10.1007/JHEP08(2017)114.
- M. Pohl et al.
Electron Pre-Acceleration at Nonrelativistic High-Mach-Number Perpendicular Shocks.
The astrophysical journal, 847(1):71, and PUBDB-2017-11075.
doi: 10.3847/1538-4357/aa872a.
- O. Porth et al.
Modelling Jets, Tori and Flares in Pulsar Wind Nebulae.
Space science reviews, 207(1-4):137, and PUBDB-2017-07734.
doi: 10.1007/s11214-017-0344-x.
- M. Preti, D. Trancanelli and E. Vescovi.
Quark-antiquark potential in defect conformal field theory.
Journal of high energy physics, 2017(10):79, and PUBDB-2017-13998.
doi: 10.1007/JHEP10(2017)079.
- PROSA Collaboration.
Prompt neutrino fluxes in the atmosphere with PROSA parton distribution functions.
Journal of high energy physics, 1705(05):004, and PUBDB-2017-03330, DESY-16-152; arXiv:1611.03815.
doi: 10.1007/JHEP05(2017)004.
- J. L. Racusin et al.
Searching the Gamma-Ray Sky for Counterparts to Gravitational Wave Sources: Fermi Gamma-Ray Burst Monitor R and Large Area Telescope Observations of LVT151012 and GW151226.
The astrophysical journal, 835(1):82, and PUBDB-2018-00589.
doi: 10.3847/1538-4357/835/1/82.
- I. Rafighi et al.
Plasma effects on relativistic pair beams from TeV blazars. PIC simulations and analytical predictions.
Astronomy and astrophysics, 607:A112, and PUBDB-2017-11454.
doi: 10.1051/0004-6361/201731127.
- R. W. Rasmussen et al.
Astrophysical neutrinos flavored with beyond the Standard Model physics.
Physical review / D, 96(8):083018, and PUBDB-2017-13831, DESY-17-107; arXiv:1707.07684.
doi: 10.1103/PhysRevD.96.083018.

G. G. Ross, K. Schmidt-Hoberg and F. Staub.

Revisiting fine-tuning in the MSSM.

Journal of high energy physics, 1703(03):021, and PUBDB-2017-01488, OUTP-17-01P; DESY-17-008; KA-TP-01-2017; arXiv:1701.03480.

doi: 10.1007/JHEP03(2017)021.

J. Ruiz de Elvira et al.

Feynman–Hellmann theorem for resonances and the quest for QCD exotica.

The European physical journal / C, 77(10):659, and PUBDB-2018-00479.

doi: 10.1140/epjc/s10052-017-5237-3.

V. Schomerus, E. Sobko and M. Isachenkov.

Harmony of spinning conformal blocks.

Journal of high energy physics, 1703(03):085, and PUBDB-2017-01603.

doi: 10.1007/JHEP03(2017)085.

B. Shakya and J. Wells.

Sterile neutrino dark matter with supersymmetry.

Physical review / D, 96(3):031702, and PUBDB-2018-01689.

doi: 10.1103/PhysRevD.96.031702.

A. M. Sirunyan et al.

Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton–proton collisions at $\sqrt{s} = 8$ and 13 TeV.

Physics letters / B, 774:533, and PUBDB-2017-11820, CMS-B2G-16-007; CERN-EP-2017-077; arXiv:1705.09171.

doi: 10.1016/j.physletb.2017.09.083.

A. M. Sirunyan et al.

Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions.

The European physical journal / C, 77(7):459, and PUBDB-2017-08042, CMS-TOP-14-013; CERN-EP-2017-030; arXiv:1703.01630.

doi: 10.1140/epjc/s10052-017-4984-5.

A. M. Sirunyan et al.

Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 1707(7):3, and PUBDB-2017-10140, CMS-TOP-12-039; CERN-EP-2016-324; arXiv:1702.01404.

doi: 10.1007/JHEP07(2017)003.

S. J. Smartt et al.

A kilonova as the electromagnetic counterpart to a gravitational-wave source.

Nature, 551:75, and PUBDB-2017-12239, arXiv:1710.05841.

doi: 10.1038/nature24303.

I. Sushch and B. van Soelen.

Gamma–Gamma Absorption in the γ -ray Binary System PSR B1259-63/LS 2883.

The astrophysical journal, 837(2):175, and PUBDB-2018-00464.

doi: 10.3847/1538-4357/aa62ff.

I. Sushch et al.

Radio Observations of the Region Around the Pulsar Wind Nebula HESSJ1303–631 with ATCA.

Astronomy and astrophysics, 605:A115, and PUBDB-2017-11467, arXiv:1706.05891.

doi: 10.1051/0004-6361/201527871.

VERITAS Collaboration.

Dark matter constraints from a joint analysis of dwarf Spheroidal galaxy observations with VERITAS.

Physical review / D, 95(8):082001, and PUBDB-2017-02490, arXiv:1703.04937.

doi: 10.1103/PhysRevD.95.082001.

VERITAS Collaboration and Fermi-LAT Collaboration.

A Luminous and Isolated Gamma-Ray Flare from the Blazar B2 1215+30.

The astrophysical journal, 836(2):205, and PUBDB-2017-01281.

doi: 10.3847/1538-4357/836/2/205.

VERITAS Collaboration and MAGIC Collaboration.

A search for Spectral Hysteresis and Energy-Dependent Time Lags from X-Ray and TeV Gamma-Ray Observations of Mrk 421.

The astrophysical journal, 834(1):2, and PUBDB-2017-13701.

doi: 10.3847/1538-4357/834/1/2.

E. G. Villani et al.

HVMUX, a high voltage multiplexing for the ATLAS Tracker upgrade.

Journal of Instrumentation, 12(01):C01076, and PUBDB-2018-00493.

doi: 10.1088/1748-0221/12/01/C01076.

D. C. Warren et al.

Nonlinear Particle Acceleration and Thermal Particles in GRB Afterglows.

The astrophysical journal, 835(2):248, and PUBDB-2018-00544.

doi: 10.3847/1538-4357/aa56c3.

J. Wells, Z. Zhang and Y. Zhao.

Establishing the isolated standard model.

Physical review / D, 96(1):015005, and PUBDB-2017-07777, MCTP-17-02; DESY-17-031; arXiv:1702.06954.

doi: 10.1103/PhysRevD.96.015005.

M. Wenskat.

Automated Optical Inspection and Image Analysis of Superconducting Radio-Frequency Cavities.

Journal of Instrumentation, 12(05):P05016, and PUBDB-2017-04531, DESY-17-061; arXiv:1704.06081.

doi: 10.1088/1748-0221/12/05/P05016.

M. Wenskat.

Optical surface properties and their RF limitations of European XFEL cavities.

Superconductor science and technology, 30(10):105007, and PUBDB-2018-00359.

doi: 10.1088/1361-6668/aa828b.

M. Wenskat and J. Schaffran.

Analysis of the Cool Down Related Cavity Performance of the European XFEL Vertical Acceptance Tests.

AIP Advances, 7(11):14, and PUBDB-2017-11797, DESY-17-135; arXiv:1609.06503.
doi: 10.1063/1.5004482.

xFitter Developers' team Collaboration.

The photon PDF from high-mass Drell–Yan data at the LHC.

The European physical journal / C, 77(6):400, and PUBDB-2017-06655, arXiv:1701.08553; DESY-17-015.
doi: 10.1140/epjc/s10052-017-4931-5.

B. Yoon et al.

Isovector charges of the nucleon from 2 + 1 -flavor QCD with clover fermions.

Physical review / D, 95(7):074508, and PUBDB-2018-00263.
doi: 10.1103/PhysRevD.95.074508.

B. Yoon et al.

Nucleon transverse momentum-dependent parton distributions in lattice QCD: Renormalization patterns and discretization effects.

Physical review / D, 96(9):094508, and PUBDB-2017-12818, arXiv:1706.03406; LA-UR-17-24472.
doi: 10.1103/PhysRevD.96.094508.

M. Zacharias, X. Chen and S. J. Wagner.

Attenuation of TeV γ -rays by the starlight photon field of the host galaxy.

Monthly notices of the Royal Astronomical Society, 465(3):3767, and PUBDB-2018-00545.
doi: 10.1093/mnras/stw3032.

O. Zenaiev.

Charm Production and QCD Analysis at HERA and LHC.

The European physical journal / C, C77(3):151, and PUBDB-2018-00494, DESY-17-025; arXiv:1612.02371;
doi: 10.1140/epjc/s10052-017-4620-4.

N. Zerf et al.

Four-loop critical exponents for the Gross-Neveu-Yukawa models.

Physical review / D, 96(9):096010, and PUBDB-2017-12477, DESY-17-133; arXiv:1709.05057.
doi: 10.1103/PhysRevD.96.096010.

ZEUS Collaboration.

Studies of the diffractive photoproduction of isolated photons at HERA.

Physical review / D, 96(3):032006, and PUBDB-2017-11252, DESY-17-077; arXiv:1705.10251.
doi: 10.1103/PhysRevD.96.032006.

Z. Zhang.

Covariant diagrams for one-loop matching.

Journal of high energy physics, 1705(05):152, and PUBDB-2017-05969, MCTP-16-23; DESY-16-188; arXiv:1610.00710.
doi: 10.1007/JHEP05(2017)152.

Z. Zhang.

Time to Go Beyond Triple-Gauge-Boson-Coupling Interpretation of W Pair Production.

Physical review letters, 118(1):011803, and PUBDB-2017-00562.
doi: 10.1103/PhysRevLett.118.011803.

Dissertationen

S. D. Altmann.

Search for TeV neutrinos from point-like sources in the southern sky using four years of IceCube data.

Humboldt Universität, 2017.

M. Bessner.

Measurement of differential di-photon plus jet cross sections using the ATLAS detector.

Universität Hamburg, Hamburg, 2017.

B. Chokoufe.

Scrutinizing the Top Quark at Lepton Colliders with Higher Orders.

Universität Hamburg, Hamburg, 2017.

M. Dierigl.

Aspects of Six-Dimensional Flux Compactifications.

Universität Hamburg, Hamburg, 2017.

M. Ebert.

Precision Predictions for Higgs Differential Distributions at the LHC.

Universität Hamburg, Hamburg, 2017.

A. Ebrahimi.

Jet Energy Measurements at ILC: Calorimeter DAQ Requirements and Application in Higgs Boson Mass Measurements.

Universität Hamburg, Hamburg, 2017.

H. Fleischhack.

Measurement of the iron spectrum in cosmic rays with the VERITAS experiment.

Humboldt-Universität zu Berlin, 2017.

H. Fleischhack.

Measurement of the Iron Spectrum in Cosmic Rays with the VERITAS Experiment.

Humboldt-Universität zu Berlin, 2017.

M. Giomi.

A catalog of variable high-energy gamma-ray sources and prospects for polarization measurement with the Fermi Large Area Telescope.

Humboldt-Universität zu Berlin, 2017.

A. Harb.

Novel Trigger-Capable Modules for the Future CMS Tracking Detector and Inclusive Top Quark Pair Production Cross Section at $\sqrt{s} = 13\text{TeV}$.

Universität Hamburg, Hamburg, 2017.

M. Huetten.

Prospects for Galactic dark matter searches with the Cherenkov Telescope Array (CTA).

Humboldt-Universität zu Berlin, 2017.

M. Krause.

High-sensitivity analysis of the Cygnus region observed with VERITAS.

Humboldt-Universität zu Berlin, 2017.

A. K. Mallot.

The energy spectrum of cosmic electrons measured with the MAGIC telescopes.

Humboldt Universität, 2017.

M. Meyer.

Search for Leptoquarks and Dark Matter in final states with top quarks at the CMS experiment.

Universität Hamburg, Hamburg, 2017.

V. Myronenko.

Combination of the inclusive DIS $e^\pm p$ cross sections from HERA, QCD and EW analyses and the need for low- Q^2 higher-twist corrections.

Universität Hamburg, Hamburg, 2017.

R. Naranjo Garcia.

Measurements of top-quark properties at 8 TeV using the ATLAS detector at the LHC.

Bergische Universität Wuppertal, 2017.

D. Nowatschin.

Search for vector-like quarks using jet substructure techniques with the CMS experiment.

Universität Hamburg, Hamburg, 2017.

S. Patel.

Interplay of Higgs Phenomenology and New Physics in Supersymmetric Theories.

Universität Hamburg, Hamburg, 2017.

M. O. Sahin.

Search for Supersymmetric Top-Quark Partners Using Support Vector Machines and Upgrade of the Hadron Calorimeter Front-End Readout Control System at CMS.

Universität Hamburg, Hamburg, 2017.

N. Stefaniuk.

Measurement of the total and differential b cross sections at HERA and CMS tracker alignment at LHC.

Universität Hamburg, Hamburg, 2017.

N. Stefaniuk and E. Gallo-Voss.

Measurement of the total and differential b cross sections at HERA and CMS tracker alignment at LHC.

Universität Hamburg, 2017.

H. Tholen.

Search for single production of a heavy vector-like T quark decaying to a top quark and a Higgs boson with the CMS Experiment.

Universität Hamburg, Hamburg, 2017.

A. Trofymov.

Measurements of $W^\pm$ and top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7$ TeV with the ATLAS detector.

Universität Hamburg, Hamburg, 2018.

O. Turkot.

Search for contact interactions and finite quark radius using combined $e^\pm p$ data at HERA.

Universität Hamburg, Hamburg, 2017.

E. Usai.

Searches for Heavy Resonances in All-Jet Final States with Top Quarks Using Jet Substructure Techniques with the CMS Experiment.

Universität Hamburg, Hamburg, 2017.

A. Vanhoefer.

Search for lepton-flavour violating decays of the Higgs boson at the LHC.

Universität Hamburg, Hamburg, 2017.

C. Weiss.

Top quark physics as a prime application of automated higher-order corrections.

Universität Hamburg, Hamburg, 2017.

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

ISI oder Scopus

M. Abdellah et al.

Drastic difference between hole and electron injection through the gradient shell of $\text{Cd}_x\text{Se}_y\text{Zn}_{1-x}\text{S}_{1-y}$ quantum dots.
Nanoscale, 9(34):12503, and PUBDB-2018-00659.
doi: 10.1039/C7NR04495J.

M. M. Abdullah et al.

Molecular-dynamics approach for studying the nonequilibrium behavior of x-ray-heated solid-density matter.
Physical review / E, 96(2):023205, and PUBDB-2017-09980.
doi: 10.1103/PhysRevE.96.023205.

U. Ablikim et al.

Isomer-dependent fragmentation dynamics of inner-shell photoionized difluoriodobenzene.
Physical chemistry, chemical physics, 19(21):13419, and PUBDB-2017-04873.
doi: 10.1039/C7CP01379E.

M. Abuín et al.

Tailoring the magnetization states in 2D arrays of multiresponse ferromagnetic nanomagnets.
Journal of physics / D, 50(48):485003, and PUBDB-2018-00520.
doi: 10.1088/1361-6463/aa929f.

A. S. Ahmad et al.

Structural stability of high entropy alloys under pressure and temperature.
Journal of applied physics, 121(23):235901, and PUBDB-2017-05670.
doi: 10.1063/1.4984796.

M. Alfeld et al.

Simplex Volume Maximization (SiVM): A matrix factorization algorithm with non-negative constraints and low computing demands for the interpretation of full spectral X-ray fluorescence imaging data.
Microchemical journal, 132:179, and PUBDB-2017-01361.
doi: 10.1016/j.microc.2017.02.001.

M. Amin et al.

X-ray Free Electron Laser Radiation Damage through the S-State Cycle of the Oxygen-Evolving Complex of Photosystem II.
The journal of physical chemistry / B, 121(40):9382, and PUBDB-2017-11202.
doi: 10.1021/acs.jpcc.7b08371.

K. Amini et al.

Alignment, orientation, and Coulomb explosion of difluoriodobenzene studied with the pixel imaging mass spectrometry (PImMS) camera.
The journal of chemical physics, 147(1):013933, and PUBDB-2017-02555, arXiv:1706.08376.
doi: 10.1063/1.4982220.

G. Aprilis et al.

Portable double-sided pulsed laser heating system for time-resolved geoscience and materials science applications.
Review of scientific instruments, 88(8):084501, and PUBDB-2018-00293.
doi: 10.1063/1.4998985.

B. Arenas et al.

Chirped-pulse Fourier transform millimeter-wave spectroscopy of ten vibrationally excited states of i-propyl cyanide: exploring the far-infrared region.
Physical chemistry, chemical physics, 19(3):1751, and PUBDB-2018-01487.
doi: 10.1039/C6CP06297K.

C. Arnold, O. Vendrell and R. Santra.

Electronic decoherence following photoionization: Full quantum-dynamical treatment of the influence of nuclear motion.
Physical review / A, 95(3):033425, and PUBDB-2017-01478.
doi: 10.1103/PhysRevA.95.033425.

S. Baier et al.

Stability of a Bifunctional Cu-Based Core@Zeolite Shell Catalyst for Dimethyl Ether Synthesis Under Redox Conditions Studied by Environmental Transmission Electron Microscopy and In Situ X-Ray Ptychography.
Microscopy and microanalysis, 23(03):501, and PUBDB-2017-04214.
doi: 10.1017/S1431927617000332.

A. Baumann et al.

Weak-field few-femtosecond VUV photodissociation dynamics of water isotopologues.
Physical review / A, 96(1):013428, and PUBDB-2017-08695.
doi: 10.1103/PhysRevA.96.013428.

M. A. Beckwith et al.

Imaging at an x-ray absorption edge using free electron laser pulses for interface dynamics in high energy density systems.
Review of scientific instruments, 88(5):053501, and PUBDB-

2017-10179.

doi: 10.1063/1.4982166.

D. Bellshaw et al.

Ab-initio surface hopping and multiphoton ionisation study of the photodissociation dynamics of CS₂.

Chemical physics letters, 683:383, and PUBDB-2017-01096, arXiv:1712.05634.

doi: 10.1016/j.cplett.2017.02.058.

C. Bernert et al.

Ptychographic analysis of the photorefractive effect in LiNbO₃:Fe.

Optics express, 25(25):31640, and PUBDB-2017-12786.

doi: 10.1364/OE.25.031640.

K. R. Beyerlein et al.

FELIX: an algorithm for indexing multiple crystallites in X-ray free-electron laser snapshot diffraction images.

Journal of applied crystallography, 50(4):1075, and PUBDB-2017-07304.

doi: 10.1107/S1600576717007506.

K. R. Beyerlein et al.

Mix-and-diffuse serial synchrotron crystallography.

IUCrJ, 4(6):769, and PUBDB-2017-10745.

doi: 10.1107/S2052252517013124.

X. L. Bian et al.

Atomic origin for rejuvenation of a Zr-based metallic glass at cryogenic temperature.

Journal of alloys and compounds, 718:254, and PUBDB-2017-11611.

doi: 10.1016/j.jallcom.2017.05.124.

X. Bian et al.

Cryogenic-temperature-induced structural transformation of a metallic glass.

Materials Research Letters, 5(4):284, and PUBDB-2017-13839.

doi: 10.1080/21663831.2016.1263687.

S. Blomberg et al.

Strain Dependent Light-off Temperature in Catalysis Revealed by Planar Laser-Induced Fluorescence.

ACS catalysis, 7(1):110, and PUBDB-2018-00295.

doi: 10.1021/acscatal.6b02440.

L. Bocklage.

Coherent THz Transient Spin Currents by Spin Pumping.

Physical review letters, 118(25):257202, and PUBDB-2017-07138.

doi: 10.1103/PhysRevLett.118.257202.

L. Bocklage.

Transient magnetization dynamics in the free energy formulation of the Landau-Lifshitz equation.

Journal of magnetism and magnetic materials, 429:324, and PUBDB-2017-00740.

doi: 10.1016/j.jmmm.2017.01.006.

M. Bousonville, F. Eints and S. Choroba.

Installation management for the European XFEL main accelerator.

8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/874/1/012016.

F. Buettner et al.

Field-free deterministic ultrafast creation of magnetic skyrmions by spin-orbit torques.

Nature nanotechnology, 12(11):1040, and PUBDB-2017-12923.

doi: 10.1038/nnano.2017.178.

N. Burdet et al.

Bragg projection ptychography on niobium phase domains.

Physical review / B, 96(1):014109, and PUBDB-2018-00378.

doi: 10.1103/PhysRevB.96.014109.

M. Burt et al.

Coulomb-explosion imaging of concurrent CH₂BrI photodissociation dynamics.

Physical review / A, 96(4):043415, and PUBDB-2017-11808.

doi: 10.1103/PhysRevA.96.043415.

L. Butkowski et al.

A Model Based Fast Protection System for High Power RF Tube Amplifiers Used at the European XFEL Accelerator.

IEEE transactions on nuclear science, 64(6):1203, and PUBDB-2017-06228.

doi: 10.1109/TNS.2017.2706560.

M. Buzzi et al.

Single-shot Monitoring of Ultrafast Processes via X-ray Streaking at a Free Electron Laser.

Scientific reports, 7(1):7253, and PUBDB-2017-09033.

doi: 10.1038/s41598-017-07069-z.

S. Cagno et al.

Combined Computed Nanotomography and Nanoscopic X-ray Fluorescence Imaging of Cobalt Nanoparticles in Caenorhabditis elegans.

Analytical chemistry, 89(21):11435, and PUBDB-2017-11561.

doi: 10.1021/acs.analchem.7b02554.

C. Callegari et al.

Application of Matched-Filter Concepts to Unbiased Selection of Data in Pump-Probe Experiments with Free Electron Lasers.

Applied Sciences, 7(6):621, and PUBDB-2017-10786.

doi: 10.3390/app7060621.

H. Cao et al.

In Situ X-ray Diffraction Studies on the De/rehydrogenation Processes of the K₂[Zn(NH₂)₄]-8LiH System.

The journal of physical chemistry / C, 121(3):1546, and PUBDB-2017-11625.

doi: 10.1021/acs.jpcc.6b12095.

H. Cao et al.

Kinetic alteration of the 6Mg(NH₂)₂-9LiH-LiBH₄ system by co-adding YCl₃ and Li₃N.

Physical chemistry, chemical physics, 19(47):32105, and PUBDB-2017-12965.

doi: 10.1039/C7CP06826C.

- H. Cao et al.
The effect of $Sr(OH)_2$ on the hydrogen storage properties of the $Mg(NH_2)_2-2LiH$ system.
Physical chemistry, chemical physics, 19(12):8457, and PUBDB-2017-02617.
doi: 10.1039/C7CP00748E.
- A. Caretta et al.
High-resolution resonant inelastic extreme ultraviolet scattering from orbital and spin excitations in a Heisenberg antiferromagnet.
Physical review / B, 96(18):184420, and PUBDB-2018-00296.
doi: 10.1103/PhysRevB.96.184420.
- E.-R. Carl et al.
High-pressure phase transitions of α -quartz under nonhydrostatic dynamic conditions: A reconnaissance study at PETRA III.
Meteoritics & planetary science, 52(7):1465, and PUBDB-2017-03284.
doi: 10.1111/maps.12840.
- P. Carpeggiani et al.
Vectorial optical field reconstruction by attosecond spatial interferometry.
Nature photonics, 11(6):383, and PUBDB-2017-10785.
doi: 10.1038/nphoton.2017.73.
- V. Cerantola et al.
Stability of iron-bearing carbonates in the deep Earth's interior.
Nature Communications, 8:15960, and PUBDB-2018-00538.
doi: 10.1038/ncomms15960.
- A. Černok et al.
Compressional pathways of α -cristobalite, structure of cristobalite X-I, and towards the understanding of seifertite formation.
Nature Communications, 8:15647, and PUBDB-2017-04582.
doi: 10.1038/ncomms15647.
- A. Chaika, V. Aristov and O. Molodtsova.
Graphene on cubic-SiC.
Progress in materials science, 89:1, and PUBDB-2017-02673.
doi: 10.1016/j.pmatsci.2017.04.010.
- H. N. Chapman.
Structure Determination Using X-Ray Free-Electron Laser Pulses.
Protein Crystallography / Wlodawer, Alexander (Editor); New York, NY : Springer New York, 2017, Chapter 12 ; ISSN: 1064-3745=1940-6029 ; ISBN: 978-1-4939-6998-2=978-1-4939-7000-1 ; doi:10.1007/978-1-4939-7000-1.
Springer New York, New York, NY.
doi: 10.1007/978-1-4939-7000-1_12.
- H. N. Chapman and P. Fromme.
Structure determination based on continuous diffraction from macromolecular crystals.
Current opinion in structural biology, 45:170, and PUBDB-2017-10788.
doi: 10.1016/j.sbi.2017.07.008.
- H. N. Chapman et al.
Continuous diffraction of molecules and disordered molecular crystals.
Journal of applied crystallography, 50(4):1084, and PUBDB-2017-06978.
doi: 10.1107/S160057671700749X.
- J. Chen et al.
Enhanced Size Selection in Two-Photon Excitation for $CsPbBr_3$ Perovskite Nanocrystals.
The journal of physical chemistry letters, 8(20):5119, and PUBDB-2018-00539.
doi: 10.1021/acs.jpclett.7b02178.
- B. I. Cho et al.
Observation of Reverse Saturable Absorption of an X-ray Laser.
Physical review letters, 119(7):075002, and PUBDB-2017-13877.
doi: 10.1103/PhysRevLett.119.075002.
- H.-Y. Chung et al.
Er-Fiber laser enabled, energy scalable femtosecond source tunable from 1.3 to 1.7 μm .
Optics express, 25(14):15760, and PUBDB-2017-04701.
doi: 10.1364/OE.25.015760.
- I. Chuvashova et al.
Nonicosahedral boron allotrope synthesized at high pressure and high temperature.
Physical review / B, 95(18):180102, and PUBDB-2017-12763.
doi: 10.1103/PhysRevB.95.180102.
- I. Chuvashova et al.
Structural stability and mechanism of compression of stoichiometric $B_{13}C_2$ up to 68 GPa.
Scientific reports, 7(1):8969, and PUBDB-2018-00297.
doi: 10.1038/s41598-017-09012-8.
- G. Cirmi et al.
Cascaded second-order processes for the efficient generation of narrowband terahertz radiation.
Journal of physics / B, 50(4):044002, and PUBDB-2017-00916.
doi: 10.1088/1361-6455/aa5405.
- A. Classen et al.
Incoherent Diffractive Imaging via Intensity Correlations of Hard X Rays.
Physical review letters, 119(5):053401, and PUBDB-2017-08794.
doi: 10.1103/PhysRevLett.119.053401.
- H. Coudert-Alteirac et al.
Micro-Focusing of Broadband High-Order Harmonic Radiation by a Double Toroidal Mirror.
Applied Sciences, 7(11):1159, and PUBDB-2017-11919.
doi: 10.3390/app7111159.
- H. D. Coughlan et al.
Bragg coherent diffraction imaging and metrics for radiation damage in protein micro-crystallography.
Journal of synchrotron radiation, 24(1):83, and PUBDB-2017-01410.
doi: 10.1107/S1600577516017525.

- J. Cowley et al.
Excitation and Control of Plasma Wakefields by Multiple Laser Pulses.
Physical review letters, 119(4):044802, and PUBDB-2018-00627.
doi: 10.1103/PhysRevLett.119.044802.
- B. J. Daurer et al.
Experimental strategies for imaging bioparticles with femto-second hard X-ray pulses.
IUCrJ, 4(3):251, and PUBDB-2017-01771.
doi: 10.1107/S2052252517003591.
- L. Deák et al.
Realizing total reciprocity violation in the phase for photon scattering.
Scientific reports, 7:43114, and PUBDB-2017-01081.
doi: 10.1038/srep43114.
- S. Demchyshyn et al.
Confining metal-halide perovskites in nanoporous thin films.
Science advances, 3(8):e1700738, and PUBDB-2017-10105.
doi: 10.1126/sciadv.1700738.
- U. Demirbas.
Off-surface optic axis birefringent filters for smooth tuning of broadband lasers.
Applied optics, 56(28):7815, and PUBDB-2017-11134.
doi: 10.1364/AO.56.007815.
- U. Demirbas et al.
100-nm tunable femtosecond Cr:LiSAF laser mode locked with a broadband saturable Bragg reflector.
Applied optics, 56(13):3812, and PUBDB-2017-01911.
doi: 10.1364/AO.56.003812.
- U. Demirbas et al.
Multicolor lasers using birefringent filters: experimental demonstration with Cr:Nd:GSGG and Cr:LiSAF.
Optics express, 25(3):2594, and PUBDB-2017-01353.
doi: 10.1364/OE.25.002594.
- K. Dey et al.
Chemical-pressure-driven orthorhombic distortion and significant enhancement of ferroelectric polarization in $\text{Ca}_{1-x}\text{La}_x\text{BaCo}_4\text{O}_7$ ($x=0.05$).
Physical review / B, 96:184428, and PUBDB-2017-13676.
doi: 10.1103/PhysRevB.96.184428.
- M. Di Fraia et al.
Impulsive laser-induced alignment of OCS molecules at FERMI.
Physical chemistry, chemical physics, 19(30):19733, and PUBDB-2017-11255.
doi: 10.1039/C7CP01812F.
- A. Diederichs et al.
Monitoring microstructural evolution in-situ during cyclic deformation by high resolution reciprocal space mapping.
1. 6th International Conference on Fracture Fatigue and Wear, Porto (Portugal), 26 Jul 2017 - 27 Jul 2017.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/843/1/012031.
- G. Dixit and R. Santra.
Time-resolved ultrafast x-ray scattering from an incoherent electronic mixture.
Physical review / A, 96(5):053413, and PUBDB-2017-12040.
doi: 10.1103/PhysRevA.96.053413.
- R. Dods et al.
From Macrocystals to Microcrystals: A Strategy for Membrane Protein Serial Crystallography.
Structure, 25(9):1461, and PUBDB-2018-00546.
doi: 10.1016/j.str.2017.07.002.
- S. R. Domingos, C. Pérez and M. Schnell.
On the structural intricacies of a metabolic precursor: Direct spectroscopic detection of water-induced conformational reshaping of mevalonolactone.
The journal of chemical physics, 147(12):124310, and PUBDB-2018-00548.
doi: 10.1063/1.4997162.
- S. R. Domingos et al.
Cold Snapshot of a Molecular Rotary Motor Captured by High-Resolution Rotational Spectroscopy.
Angewandte Chemie / International edition, 56(37):11209, and PUBDB-2017-10447.
doi: 10.1002/anie.201704221.
- M. Donato et al.
First functionality tests of a 64×64 pixel DSSC sensor module connected to the complete ladder readout.
Journal of Instrumentation, 12(03):C03025, and PUBDB-2017-10155, arXiv:1701.03613.
doi: 10.1088/1748-0221/12/03/C03025.
- X. Dong et al.
A stable compound of helium and sodium at high pressure.
Nature chemistry, 9:440, and PUBDB-2017-00938.
doi: 10.1038/nchem.2716.
- M. J. Duarte et al.
Kinetics and crystallization path of a Fe-based metallic glass alloy.
Acta materialia, 127:341, and PUBDB-2017-00841.
doi: 10.1016/j.actamat.2017.01.031.
- L. Dubrovinsky et al.
Diamond anvils with a round table designed for high pressure experiments in DAC.
High pressure research, 37(4):475, and PUBDB-2017-12128.
doi: 10.1080/08957959.2017.1388802.
- D. Dzhibaev et al.
X-ray Bragg Ptychography on a Single InGaN/GaN Core-Shell Nanowire.
ACS nano, 11(7):6605, and PUBDB-2017-10296.
doi: 10.1021/acsnano.6b08122.
- I. Efthimiopoulos et al.
Structural transitions of ordered kesterite-type $\text{Cu}_2\text{ZnSnS}_4$ under pressure.
Applied physics letters, 110(4):041905, and PUBDB-2017-00786.
doi: 10.1063/1.4974941.

- H. J. Elmers et al.
Hosting of surface states in spin-orbit induced projected bulk band gaps of W(110) and Ir(111).
Journal of physics / Condensed matter, 29(25):255001, and PUBDB-2018-00300.
doi: 10.1088/1361-648X/aa7173.
- J. Evertsson et al.
Anodization of Al(100), Al(111) and Al Alloy 6063 studied in situ with X-ray reflectivity and electrochemical impedance spectroscopy.
Journal of electroanalytical chemistry, 799:556, and PUBDB-2017-10055.
doi: 10.1016/j.jelechem.2017.07.010.
- S. Evertz et al.
Thermal expansion of Pd-based metallic glasses by ab initio methods and high energy X-ray diffraction.
Scientific reports, 7(1):15744, and PUBDB-2017-12108.
doi: 10.1038/s41598-017-16117-7.
- B. Faatz et al.
The FLASH Facility: Advanced Options for FLASH2 and Future Perspectives.
Applied Sciences, 7(11):1114, and PUBDB-2017-11787.
doi: 10.3390/app7111114.
- G. Falkenberg et al.
Large-scale high-resolution micro-XRF analysis of histological structures in the skin of the pigeon beak.
X-ray spectrometry, 46(5):467, and PUBDB-2017-10295.
doi: 10.1002/xrs.2769.
- H. Fang et al.
Insights into formation and stability of τ - MnAlZ_x (Z = C and B).
Journal of alloys and compounds, 692:198, and PUBDB-2017-00597.
doi: 10.1016/j.jallcom.2016.09.047.
- T. Flisgen et al.
Eigenmode Compendium of the Third Harmonic Module of the European X-ray Free Electron Laser.
Physical review accelerators and beams, 20(4):042002, and PUBDB-2017-11907.
doi: 10.1103/PhysRevAccelBeams.20.042002.
- T. Flisgen et al.
Erratum: Eigenmode Compendium of the Third Harmonic Module of the European X-ray Free Electron Laser [Phys. Rev. Accel. Beams 20 , 042002 (2017)].
Physical review accelerators and beams, 20(7):079901, and PUBDB-2017-11908.
doi: 10.1103/PhysRevAccelBeams.20.079901.
- M. Foerst et al.
Multiple Supersonic Phase Fronts Launched at a Complex-Oxide Heterointerface.
Physical review letters, 118(2):027401, and PUBDB-2017-01767.
doi: 10.1103/PhysRevLett.118.027401.
- C. Fortmann-Grote et al.
Start-to-end simulation of single-particle imaging using ultra-short pulses at the European X-ray Free-Electron Laser.
IUCrJ, 4(5):560, and PUBDB-2017-10340.
doi: 10.1107/S2052252517009496.
- T. Frawley et al.
Elucidation of the helical spin structure of FeAs.
Physical review / B, 95(6):064424, and PUBDB-2017-01848.
doi: 10.1103/PhysRevB.95.064424.
- Y. Friedman et al.
Advances in testing the effect of acceleration on time dilation using a synchrotron Mössbauer source.
Journal of synchrotron radiation, 24(3):661, and PUBDB-2018-00476.
doi: 10.1107/S1600577517002405.
- C. Gati et al.
Atomic Structure of Granulin Determined from Native Nanocrystalline Granulovirus Using an X-ray Free-Electron Laser.
Proceedings of the National Academy of Sciences of the United States of America, 114(9):2247, and PUBDB-2017-00953.
doi: 10.1073/pnas.1609243114.
- G. D. Gatta et al.
High-pressure behavior of (Cs, K)Al₄Be₅B₁₁O₂₈ (londonite): A single-crystal synchrotron diffraction study up to 26 GPa.
Journal of the American Ceramic Society, 100(10):4893, and PUBDB-2017-05801.
doi: 10.1111/jace.14936.
- K. Gautam et al.
Large negative thermal expansion in the cubic phase of CaMn₇O₁₂.
Physical review / B, 95(14):144112, and PUBDB-2018-00301.
doi: 10.1103/PhysRevB.95.144112.
- K. Glazyrin et al.
Critical behavior of Mg_{1-x}Fe_xO at the pressure-induced iron spin-state crossover.
Physical review / B, 95(21):214412, and PUBDB-2017-06977.
doi: 10.1103/PhysRevB.95.214412.
- F. Godínez-Salomón et al.
Tuning the Oxygen Reduction Activity and Stability of Ni(OH)₂@Pt/C Catalysts through Controlling Pt Surface Composition, Strain, and Electronic Structure.
Electrochimica acta, 247:958, and PUBDB-2018-01520.
doi: 10.1016/j.electacta.2017.06.073.
- N. O. Golosova et al.
Magnetic and structural properties of FeCO₃ at high pressures.
Physical review / B, 96(13):134405, and PUBDB-2018-00320.
doi: 10.1103/PhysRevB.96.134405.
- N. O. Golosova et al.
Structural and magnetic properties of Cr₂O₃ at high pressure.
Journal of alloys and compounds, 722:593, and PUBDB-2017-06974.
doi: 10.1016/j.jallcom.2017.06.140.

A. Goncharova et al.

Oriented arrays of iron nanowires: synthesis, structural and magnetic aspects.

Journal of sol gel science and technology, 81(2):327, and PUBDB-2018-00303.

doi: 10.1007/s10971-016-4254-2.

O. Y. Gorobtsov et al.

Statistical properties of a free-electron laser revealed by Hanbury Brown-Twiss interferometry.

Physical review / A, 95(2):023843, and PUBDB-2017-05924.

doi: 10.1103/PhysRevA.95.023843.

J. B. Graneek, C. Pérez and M. Schnell.

Structural determination and population transfer of 4-nitroanisole by broadband microwave spectroscopy and tailored microwave pulses.

The journal of chemical physics, 147(15):154306, and PUBDB-2018-00557.

doi: 10.1063/1.4991902.

E. Greenberg et al.

High-pressure magnetic, electronic, and structural properties of $M\text{Fe}_2\text{O}_4$ ($M = \text{Mg}, \text{Zn}, \text{Fe}$) ferric spinels.

Physical review / B, 95(19):195150, and PUBDB-2017-12884.

doi: 10.1103/PhysRevB.95.195150.

J.-C. Grivel et al.

Thermal behavior and decomposition of cerium(III) butanoate, pentanoate and hexanoate salts upon heating in argon.

Journal of analytical and applied pyrolysis, 126:77, and PUBDB-2018-00481.

doi: 10.1016/j.jaap.2017.06.022.

M. Grosser, J. M. Slowik and R. Santra.

Attosecond x-ray scattering from a particle-hole wave packet.

Physical review / A, 95(6):062107, and PUBDB-2017-04727.

doi: 10.1103/PhysRevA.95.062107.

S. Guo et al.

Solvent–Morphology–Property Relationship of PTB7 : PC₇₁BM Polymer Solar Cells.

ACS applied materials & interfaces, 9(4):3740, and PUBDB-2017-13407.

doi: 10.1021/acsami.6b14926.

J. Haber et al.

Rabi oscillations of X-ray radiation between two nuclear ensembles.

Nature photonics, 11(11):720, and PUBDB-2017-12902.

doi: 10.1038/s41566-017-0013-3.

M. Al-Hada et al.

Nanoparticle formation of deposited Ag_n -clusters on free-standing graphene.

Surface science, 665:108, and PUBDB-2018-00377.

doi: 10.1016/j.susc.2017.06.002.

S. Halilov et al.

Surface, final state, and spin effects in the valence-band photoemission spectra of LaCoO_3 (001).

Physical review / B, 96(20):205144, and PUBDB-2017-12919.

doi: 10.1103/PhysRevB.96.205144.

A. M. Hanna et al.

Laser control over the ultrafast Coulomb explosion of N_2^{2+} after Auger decay: A quantum-dynamics investigation.

Physical review / A, 95(4):043419, and PUBDB-2017-01875.

doi: 10.1103/PhysRevA.95.043419.

A.-L. Hansen et al.

Structural properties of the thermoelectric material CuCrS_2 and of deintercalated Cu_xCrS_2 on different length scales: X-ray diffraction, pair distribution function and transmission electron microscopy studies.

Journal of materials chemistry / C, 5(36):9331, and PUBDB-2017-11622.

doi: 10.1039/C7TC02983G.

B. R. S. Hansen et al.

Synthesis, structures and thermal decomposition of ammine $\text{M}_x\text{B}_{12}\text{H}_{12}$ complexes ($M = \text{Li}, \text{Na}, \text{Ca}$).

Dalton transactions, 46(24):7770, and PUBDB-2017-11612.

doi: 10.1039/C7DT01414G.

A. Hartin.

Enhanced, high energy photon production from resonant Compton scattering in a strong external field.

Nuclear instruments & methods in physics research / B, 402:339, and PUBDB-2018-00483, arXiv:1706.04823.

doi: 10.1016/j.nimb.2017.02.063.

K. Heeg et al.

Spectral narrowing of x-ray pulses for precision spectroscopy with nuclear resonances.

Science, 357(6349):375, and PUBDB-2017-09691.

doi: 10.1126/science.aan3512.

N. Heidenreich et al.

A Multi-Purpose Reaction Cell for the Investigation of Reactions Under Solvothermal Conditions.

Review of scientific instruments, 88(10):104102, and PUBDB-2017-11501.

doi: 10.1063/1.4999688.

U. Hejral et al.

High-energy x-ray diffraction from surfaces and nanoparticles.

Physical review / B, 96(19):195433, and PUBDB-2017-12642.

doi: 10.1103/PhysRevB.96.195433.

T. Hellert, N.-I. Baboi and L. Shi.

Higher-Order Mode-Based Cavity Misalignment Measurements at the Free-Electron Laser FLASH.

Physical review accelerators and beams, 20(12):123501, and PUBDB-2018-00305, DESY-18-006, arXiv:1801.02886.

doi: 10.1103/PhysRevAccelBeams.20.123501.

J. Hellhund et al.

Photoionization and photofragmentation of $\text{Lu}_3\text{N}@C_{80}^{q+}$ ions ($q = 1, 2, 3$).

XXX International Conference on Photonic, Electronic, and Atomic Collisions, Cairns (Australia), 25 Jul 2017 - 1 Aug 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/875/4/032034.

- W. Helml et al.
Ultrashort Free-Electron Laser X-ray Pulses.
Applied Sciences, 7(9):915, and PUBDB-2018-00272.
doi: 10.3390/app7090915.
- A. Hirsch et al.
Structural, vibrational, and thermochemical properties of the monazite-type solid solution $\text{La}_{1-x}\text{Pr}_x\text{PO}_4$.
Journal of solid state chemistry, 245:82, and PUBDB-2017-00598.
doi: 10.1016/j.jssc.2016.09.032.
- M. Hollstein, R. Santra and D. Pfannkuche.
Correlation-driven charge migration following double ionization and attosecond transient absorption spectroscopy.
Physical review / A, 95(5):053411, and PUBDB-2017-03898.
doi: 10.1103/PhysRevA.95.053411.
- D. Horke et al.
Characterizing gas flow from aerosol particle injectors.
Journal of applied physics, 121(12):123106, and PUBDB-2017-01302, arXiv:1609.09020.
doi: 10.1063/1.4978914.
- S. E. Hosseini, A. Banai and F. X. Kartner.
Low-Drift Optoelectronic Oscillator Based on a Phase Modulator in a Sagnac Loop.
IEEE transactions on microwave theory and techniques, 65(7):2617, and PUBDB-2017-00817.
doi: 10.1109/TMTT.2016.2640286.
- S. E. Hosseini, A. Banai and F. X. Kartner.
Tunable Low-Jitter Low-Drift Spurious-Free Transposed-Frequency Optoelectronic Oscillator.
IEEE transactions on microwave theory and techniques, 65(7):2625, and PUBDB-2018-00015.
doi: 10.1109/TMTT.2016.2646681.
- A. Hussain, N. Huse and O. Vendrell.
Sensitivity of core-level spectroscopy to electrostatic environments of nitrile groups: An ab initio study.
Structural dynamics, 4(5):054102, and PUBDB-2018-00410.
doi: 10.1063/1.5003404.
- H. Hwang et al.
A role for subducted super-hydrated kaolinite in Earth's deep water cycle.
Nature geoscience, 10:947, and PUBDB-2017-12251.
doi: 10.1038/s41561-017-0008-1.
- M. Ilchen et al.
Circular Dichroism in Multiphoton Ionization of Resonantly Excited He^+ Ions.
Physical review letters, 118(1):013002, and PUBDB-2018-00484.
doi: 10.1103/PhysRevLett.118.013002.
- M. Ilchen et al.
Emitter-site-selective photoelectron circular dichroism of tri-fluoromethyloxirane.
Physical review / A, 95(5):053423, and PUBDB-2017-04131.
doi: 10.1103/PhysRevA.95.053423.
- A. Indra et al.
Magnetoelectric memory in reentrant frozen state and considerable ferroelectricity in the multiferroic spin-chain compound $\text{Sm}_2\text{BaNiO}_5$.
Physical review / B, 95(9):094402, and PUBDB-2018-00307.
doi: 10.1103/PhysRevB.95.094402.
- L. Ismailova et al.
Effect of composition on compressibility of skiaigite-Fe-majorite garnet.
American mineralogist, 102(1):184, and PUBDB-2017-00564.
doi: 10.2138/am-2017-5856.
- O. Ivashko et al.
Charge-Stripe Order and Superconductivity in $\text{Ir}_{1-x}\text{Pt}_x\text{Te}_2$.
Scientific reports, 7(1):17157, and PUBDB-2017-12882.
doi: 10.1038/s41598-017-16945-7.
- S. ben Jabrallah et al.
Electrolytes at interfaces: accessing the first nanometers using X-ray standing waves.
Physical chemistry, chemical physics, 19(1):167, and PUBDB-2016-06589.
doi: 10.1039/C6CP06888J.
- A. Jafari et al.
Rocking curve imaging of high quality sapphire crystals in backscattering geometry.
Journal of applied physics, 121(4):044901, and PUBDB-2017-00751.
doi: 10.1063/1.4974106.
- K. Jenni et al.
Nuclear inelastic scattering and density functional theory studies of a one-dimensional spin crossover $[\text{Fe}(1,2,4\text{-triazole})_2(1,2,4\text{-triazolato})](\text{BF}_4)$ molecular chain.
Physical chemistry, chemical physics, 19(29):18880, and PUBDB-2017-09688.
doi: 10.1039/C7CP03690F.
- M. D. de Jonge et al.
Spiral scanning X-ray fluorescence computed tomography.
Optics express, 25(19):23424, and PUBDB-2017-12009.
doi: 10.1364/OE.25.023424.
- H. O. Jönsson et al.
Hit detection in serial femtosecond crystallography using X-ray spectroscopy of plasma emission.
IUCrJ, 4(6):778, and PUBDB-2017-11560.
doi: 10.1107/S2052252517014154.
- I. Jordan et al.
Spin-orbit delays in photoemission.
Physical review / A, 95(1):013404, and PUBDB-2018-00622.
doi: 10.1103/PhysRevA.95.013404.
- A. Kamada et al.
Flow-assisted assembly of nanostructured protein microfibers.
Proceedings of the National Academy of Sciences of the United States of America, 114(6):1232, and PUBDB-2017-00939.
doi: 10.1073/pnas.1617260114.

- I. Kapon et al.
Opening a nodal gap by fluctuating spin-density wave in lightly doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$.
Physical review / B, 95(10):104512, and PUBDB-2017-01375.
 doi: 10.1103/PhysRevB.95.104512.
- P. Kappen et al.
Antimony leaching and chemical species analyses in an industrial solid waste: Surface and bulk speciation using ToF-SIMS and XANES.
Journal of hazardous materials, 329:131, and PUBDB-2018-00308.
 doi: 10.1016/j.jhazmat.2017.01.022.
- A. Karamatskou.
Nonlinear effects in photoionization over a broad photon-energy range within the TDCIS scheme.
Journal of physics / B, 50(1):013002, and PUBDB-2016-06405.
 doi: 10.1088/1361-6455/50/1/013002.
- A. Karamatskou and R. Santra.
Time-dependent configuration-interaction-singles calculation of the 5 p -subshell two-photon ionization cross section in xenon.
Physical review / A, 95(1):013415, and PUBDB-2017-00784.
 doi: 10.1103/PhysRevA.95.013415.
- A. Karamatskou, R. Santra and O. Vendrell.
Ab Initio Investigation of Nonlinear Mode Coupling in C_{60} .
The journal of physical chemistry letters, 8:5543, and PUBDB-2017-11678.
 doi: 10.1021/acs.jpclett.7b02573.
- K. Khaliji et al.
Tunable plasmon-enhanced birefringence in ribbon array of anisotropic two-dimensional materials.
Physical review / B, 95(20):201401, and PUBDB-2017-04175.
 doi: 10.1103/PhysRevB.95.201401.
- S. Kichanov et al.
An intermediate antipolar phase in NaNbO_3 under compression.
Ferroelectrics, 520(1):22, and PUBDB-2017-14080.
 doi: 10.1080/00150193.2017.1374801.
- J. S. Kienitz et al.
Improved spatial separation of neutral molecules.
The journal of chemical physics, 147(2):024304, and PUBDB-2017-08638, arXiv:1704.08912.
 doi: 10.1063/1.4991479.
- J. Kimling et al.
Thermal conductance of interfaces with amorphous SiO_2 measured by time-resolved magneto-optic Kerr-effect thermometry.
Physical review / B, 95(18):184305, and PUBDB-2017-05772.
 doi: 10.1103/PhysRevB.95.184305.
- K. S. Kjær et al.
Ligand manipulation of charge transfer excited state relaxation and spin crossover in $[\text{Fe}(2,2' - \text{bipyridine})_2(\text{CN})_2]$.
Structural dynamics, 4(4):044030, and PUBDB-2018-01464.
 doi: 10.1063/1.4985017.
- S. Klumpp et al.
Multiple Auger cycle photoionisation of manganese atoms by short soft x-ray pulses.
New journal of physics, 19(4):043002, and PUBDB-2017-01762.
 doi: 10.1088/1367-2630/aa660a.
- J. Koliyadu et al.
Optimization and Characterization of High-Harmonic Generation for Probing Solid Density Plasmas.
Photonics, 4(2):25, and PUBDB-2017-01521.
 doi: 10.3390/photonics4020025.
- R. König et al.
The crystal structures of carbonyl iron powder – revised using in situ synchrotron XRPD.
Zeitschrift für Kristallographie / Crystalline materials, 232(12):835, and PUBDB-2017-11621.
 doi: 10.1515/zkri-2017-2067.
- C. von Korff Schmising et al.
Generating circularly polarized radiation in the extreme ultraviolet spectral range at the free-electron laser FLASH.
Review of scientific instruments, 88(5):053903, and PUBDB-2017-04626.
 doi: 10.1063/1.4983056.
- S. Kovalev et al.
Probing ultra-fast processes with high dynamic range at 4th-generation light sources: Arrival time and intensity binning at unprecedented repetition rates.
Structural dynamics, 4(2):024301, and PUBDB-2018-00563.
 doi: 10.1063/1.4978042.
- S. Koyiloth Vayalil, A. Gupta and S. V. Roth.
Study of pattern transition in nanopatterned Si(100) produced by impurity-assisted low-energy ion-beam erosion.
Applied physics / A, 123(4):225, and PUBDB-2017-01428.
 doi: 10.1007/s00339-017-0756-1.
- M. Kozák et al.
Acceleration of sub-relativistic electrons with an evanescent optical wave at a planar interface.
Optics express, 25(16):19195, and PUBDB-2018-00487.
 doi: 10.1364/OE.25.019195.
- M. Kozák et al.
Optical gating and streaking of free electrons with sub-optical cycle precision.
Nature Communications, 8:14342, and PUBDB-2018-00565.
 doi: 10.1038/ncomms14342.
- J. Kozelka et al.
Anion- π interactions in flavoproteins involve a substantial charge-transfer component.
Chemistry - a European journal, 23(14):3245, and PUBDB-2017-00654.
 doi: 10.1002/chem.201605307.
- D. P. Kozlenko et al.
Anomalous lattice compression and magnetic ordering in CuO at high pressures: A structural study and first-principles calculations.
Physical review / B, 95(5):054115, and PUBDB-2017-01036.
 doi: 10.1103/PhysRevB.95.054115.

- T. Krause et al.
Structure and Composition of Isolated Core-Shell (In, Ga) N/GaN Rods Based on Nanofocus X-Ray Diffraction and Scanning Transmission Electron Microscopy.
Physical review applied, 7(2):024033, and PUBDB-2017-01322.
doi: 10.1103/PhysRevApplied.7.024033.
- P. Kroetz et al.
Study on laser characteristics of Ho:YLF regenerative amplifiers: Operation regimes, gain dynamics, and highly stable operation points.
Applied physics / B, 123(4):126, and PUBDB-2017-01527.
doi: 10.1007/s00340-017-6704-0.
- P. Krogen et al.
Generation and multi-octave shaping of mid-infrared intense single-cycle pulses.
Nature photonics, 11(4):222, and PUBDB-2017-01417.
doi: 10.1038/nphoton.2017.34.
- J. Krzywinski et al.
Saturation of a Ce:Y₃Al₅O₁₂ scintillator response to ultra-short pulses of extreme ultraviolet soft X-ray and X-ray laser radiation.
Optical materials express, 7(3):665, and PUBDB-2018-00266.
doi: 10.1364/OME.7.000665.
- K. Kubiček et al.
Geometric and electronic properties in a series of phosphorescent heteroleptic Cu(I) complexes : Crystallographic and computational studies.
Polyhedron, 124:166, and PUBDB-2017-01436.
doi: 10.1016/j.poly.2016.12.035.
- S. Kühn et al.
The ELI-ALPS facility: the next generation of attosecond sources.
Journal of physics / B, 50(13):132002, and PUBDB-2017-10783.
doi: 10.1088/1361-6455/aa6ee8.
- K. Kunnus et al.
Quantifying covalent interactions with resonant inelastic soft X-ray scattering: Case study of Ni²⁺ aqua complex.
Chemical physics letters, 669:196, and PUBDB-2017-01437.
doi: 10.1016/j.cplett.2016.12.046.
- C. Kupitz et al.
Structural enzymology using X-ray free electron lasers.
Structural dynamics, 4(4):044003, and PUBDB-2016-06266.
doi: 10.1063/1.4972069.
- R. Kurta et al.
Correlations in Scattered X-Ray Laser Pulses Reveal Nanoscale Structural Features of Viruses.
Physical review letters, 119(15):158102, and PUBDB-2017-12328.
doi: 10.1103/PhysRevLett.119.158102.
- J. LaRue et al.
Real-Time Elucidation of Catalytic Pathways in CO Hydrogenation on Ru.
The journal of physical chemistry letters, 8(16):3820, and PUBDB-2017-10683.
doi: 10.1021/acs.jpclett.7b01549.
- S. Lazarev et al.
Ptychographic X-Ray Imaging of Colloidal Crystals.
Small, 14(3):1702575, and PUBDB-2017-13514.
doi: 10.1002/smll.201702575.
- F. Lehmkuhler et al.
Microsecond Structural Rheology.
The journal of physical chemistry letters, 8:3581, and PUBDB-2017-08100.
doi: 10.1021/acs.jpclett.7b01355.
- F. Lehmkuhler et al.
Temperature dependence of the hydrogen bond network in Trimethylamine N-oxide and guanidine hydrochloride - water solutions.
Physical chemistry, chemical physics, 19:28470, and PUBDB-2017-11416.
doi: 10.1039/C7CP04958G.
- N. Li et al.
High-power thulium lasers on a silicon photonics platform.
Optics letters, 42(6):1181, and PUBDB-2017-01416.
doi: 10.1364/OL.42.001181.
- Z. Li et al.
Thermal x-ray diffraction and near-field phase contrast imaging.
epl, 120(1):16003, and PUBDB-2018-00001.
doi: 10.1209/0295-5075/120/16003.
- Z. Li et al.
Ultrafast isomerization in acetylene dication after carbon K-shell ionization.
Nature Communications, 8(1):453, and PUBDB-2017-10472.
doi: 10.1038/s41467-017-00426-6.
- H. Liang et al.
High-energy mid-infrared sub-cycle pulse synthesis from a parametric amplifier.
Nature Communications, 8(1):141, and PUBDB-2017-10439.
doi: 10.1038/s41467-017-00193-4.
- U. Lienert et al.
High-Resolution Single-Grain Diffraction of Polycrystalline Materials.
Synchrotron radiation news, 30(3):35, and PUBDB-2017-05454.
doi: 10.1080/08940886.2017.1316130.
- C.-T. Lin et al.
Single-molecule imaging reveals the translocation and DNA looping dynamics of hepatitis C virus NS3 helicase.
Protein science, 26(7):1391, and PUBDB-2018-00568.
doi: 10.1002/pro.3136.

- G. Liskayová et al.
pH-sensitive N,N-(dimethyl)-N-alkanamine-N-oxides as gene delivery vectors.
Chemical papers, 71(9):1739, and PUBDB-2018-00569.
doi: 10.1007/s11696-017-0171-2.
- C. Liu et al.
Probing the Impact of Solvation on Photoexcited Spin Crossover Complexes with High-Precision X-ray Transient Absorption Spectroscopy.
Journal of the American Chemical Society, 139(48):17518, and PUBDB-2018-00570.
doi: 10.1021/jacs.7b09297.
- D. Liu et al.
Cavitation in strained polyethylene/aluminium oxide nanocomposites.
European polymer journal, 87:255, and PUBDB-2018-00434.
doi: 10.1016/j.eurpolymj.2016.12.021.
- H. Liu et al.
Generation of three-dimensional versatile vortex linear light bullets (Invited Paper).
Chinese optics letters, 15(3):030009, and PUBDB-2018-00503.
doi: 10.3788/COL201715.030009.
- Q. Liu et al.
Attosecond streaking metrology with isolated nanotargets.
Journal of optics, 20:0024002, and PUBDB-2017-14151.
doi: 10.1088/2040-8986/aa9b08.
- W. Liu et al.
Arsenic in hydrothermal apatite: Oxidation state, mechanism of uptake, and comparison between experiments and nature.
Geochimica et cosmochimica acta, 196:144, and PUBDB-2016-04087.
doi: 10.1016/j.gca.2016.09.023.
- W. Liu et al.
Energetic Ultrafast Fiber Laser Sources Tunable in 1030-1215 nm for Deep Tissue Multi-Photon Microscopy.
Optics express, 25(6):6822, and PUBDB-2017-01377.
doi: 10.1364/OE.25.006822.
- L. Loetgering et al.
Data compression strategies for ptychographic diffraction imaging.
Advanced Optical Technologies, 6(6):475, and PUBDB-2018-00668.
doi: 10.1515/aot-2017-0053.
- L. Loetgering et al.
Phase retrieval via propagation-based interferometry.
Physical review / A, 95(3):033819, and PUBDB-2018-00506.
doi: 10.1103/PhysRevA.95.033819.
- F. Lofink et al.
Domain Walls in Bent Nanowires.
Physical review applied, 8(2):024008, and PUBDB-2017-09517.
doi: 10.1103/PhysRevApplied.8.024008.
- P. Lotti et al.
High-pressure behavior and P -induced phase transition of $\text{CaB}_3\text{O}_4(\text{OH})_3 \cdot \text{H}_2\text{O}$ (colemanite).
Journal of the American Ceramic Society, 100(5):2209, and PUBDB-2017-01235.
doi: 10.1111/jace.14730.
- R. Mainz et al.
High-dynamic-range arrival time control for flexible, accurate and precise parametric sub-cycle waveform synthesis.
Optics express, 25(4):3052, and PUBDB-2017-00816.
doi: 10.1364/OE.25.003052.
- M. Makita et al.
Fabrication of diamond diffraction gratings for experiments with intense hard x-rays.
Microelectronic engineering, 176:75, and PUBDB-2018-00376.
doi: 10.1016/j.mee.2017.02.002.
- M. Mandal et al.
Characterization of Ammonia Binding to the Second Coordination Shell of the Oxygen-Evolving Complex of Photosystem II.
Dalton transactions, 46:16089, and PUBDB-2017-11809.
doi: 10.1039/C7DT03901H.
- E. P. Månsson et al.
Ultrafast dynamics in the DNA building blocks thymidine and thymine initiated by ionizing radiation.
Physical chemistry, chemical physics, 19(30):19815, and PUBDB-2018-00490.
doi: 10.1039/C7CP02803B.
- A. March et al.
Probing Transient Valence Orbital Changes with Picosecond Valence-to-Core X-ray Emission Spectroscopy.
The journal of physical chemistry / C, 121(5):2620, and PUBDB-2017-11799.
doi: 10.1021/acs.jpcc.6b12940.
- E. G. Marklund et al.
Controlling Protein Orientation in Vacuum Using Electric Fields.
The journal of physical chemistry letters, 8(18):4540, and PUBDB-2018-00439.
doi: 10.1021/acs.jpclett.7b02005.
- J. Mars et al.
Surface induced smectic order in ionic liquids – an X-ray reflectivity study of $[\text{C}_{22}\text{C}_{1}\text{im}]^+[\text{NTf}_2]^-$.
Physical chemistry, chemical physics, 19(39):26651, and PUBDB-2017-14107.
doi: 10.1039/C7CP04852A.
- F. Marschall et al.
Transmission zone plates as analyzers for efficient parallel 2D RIXS-mapping.
Scientific reports, 7(1):8849, and PUBDB-2017-09548.
doi: 10.1038/s41598-017-09052-0.

Y. Matveyev et al.

Effect of Polarization Reversal in Ferroelectric $TiN/Hf_{0.5}Zr_{0.5}O_2/TiN$ Devices on Electronic Conditions at Interfaces Studied in Operando by Hard X-ray Photoemission Spectroscopy.

ACS applied materials & interfaces, 9(49):43370, and PUBDB-2017-14050.

doi: 10.1021/acsami.7b14369.

K. Medjanik et al.

Direct 3D mapping of the Fermi surface and Fermi velocity.

Nature materials, 16(6):615, and PUBDB-2017-10311.

doi: 10.1038/nmat4875.

N. Medvedev et al.

Electron-ion coupling in semiconductors beyond Fermi's golden rule.

Physical review / B, 95(1):014309, and PUBDB-2017-00832.

doi: 10.1103/PhysRevB.95.014309.

A. Meents et al.

Pink-beam serial crystallography.

Nature Communications, 8(1):1281, and PUBDB-2017-11676.

doi: 10.1038/s41467-017-01417-3.

M. Mehrjoo et al.

Single-shot determination of focused FEL wave fields using iterative phase retrieval.

Optics express, 25(15):17892, and PUBDB-2017-08413.

doi: 10.1364/OE.25.017892.

A. Menushenkov et al.

Driving the europium valence state in $EuCo_2As_2$ by external and internal impact.

Journal of superconductivity and novel magnetism, 30(1):75, and PUBDB-2016-05357.

doi: 10.1007/s10948-016-3771-0.

M. Misawa et al.

Picosecond amorphization of SiO_2 stishovite under tension.

Science advances, 3(5):e1602339, and PUBDB-2018-00512.

doi: 10.1126/sciadv.1602339.

A. Mueller et al.

Photoionization and photofragmentation of $Sc_3N@C_{80}^{+}$ at energies from the carbon K edge to the scandium L and nitrogen K edges.

XXX International Conference on Photonic, Electronic, and Atomic Collisions, Cairns (Australia), 25 Jul 2017 - 1 Aug 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/875/4/032033.

A. Mueller et al.

Photoionization of Ne Atoms and Ne^{+} Ions Near the K Edge: Precision Spectroscopy and Absolute Cross-sections.

The astrophysical journal, 836(2):166, and PUBDB-2017-01676.

doi: 10.3847/1538-4357/836/2/166.

A. Mueller et al.

Photoionization of Ne^{+} ions and Ne atoms near the K edge.

XXX International Conference on Photonic, Electronic, and Atomic Collisions, Cairns (Australia), 26 Jul 2017 - 1 Aug 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/875/3/022044.

S. Muralidhar et al.

Temperature-dependent first-order reversal curve measurements on unusually hard magnetic low-temperature phase of MnBi.

Physical review / B, 95(2):024413, and PUBDB-2017-02271.

doi: 10.1103/PhysRevB.95.024413.

D. Music, V. Schnabel and J. Bednarcik.

Topology and electronic structure of flexible $(Nb,Ru)O_2$ thermoelectrics.

Journal of physics / Condensed matter, 29(8):085701, and PUBDB-2017-00266.

doi: 10.1088/1361-648X/aa53ac.

B. Nagler et al.

Focal Spot and Wavefront Sensing of an X-Ray Free Electron laser using Ronchi shearing interferometry.

Scientific reports, 7(1):13698, and PUBDB-2017-11500.

doi: 10.1038/s41598-017-13710-8.

B. Nickel et al.

Transferable Organic Semiconductor Nanosheets for Application in Electronic Devices.

Advanced materials, 29(26):1606283, and PUBDB-2017-13879.

doi: 10.1002/adma.201606283.

A. Nilsson et al.

Catalysis in real time using X-ray lasers.

Chemical physics letters, 675:145, and PUBDB-2017-02270.

doi: 10.1016/j.cplett.2017.02.018.

N. Nishiyama et al.

Transparent polycrystalline cubic silicon nitride.

Scientific reports, 7:44755, and PUBDB-2017-01493.

doi: 10.1038/srep44755.

M. Nisoli et al.

Attosecond Electron Dynamics in Molecules.

Chemical reviews, 117(16):10760, and PUBDB-2017-10784.

doi: 10.1021/acs.chemrev.6b00453.

A. Núñez et al.

Magnetic behaviour of multisegmented FeCoCu/Cu electrodeposited nanowires.

Journal of physics / D, 50(15):155003, and PUBDB-2017-12645.

doi: 10.1088/1361-6463/aa622e.

D. Oberthuer et al.

Corrigendum: Double-flow focused liquid injector for efficient serial femtosecond crystallography.

Scientific reports, 7:46846, and PUBDB-2018-00518.

doi: 10.1038/srep46846.

- D. Oberthuer et al.
Double-flow focused liquid injector for efficient serial femto-second crystallography.
Scientific reports, 7:44628, and PUBDB-2017-01394.
doi: 10.1038/srep44628.
- M. Ochmann et al.
Light-Induced Radical Formation and Isomerization of an Aromatic Thiol in Solution Followed by Time-Resolved X-ray Absorption Spectroscopy at the Sulfur K-Edge.
Journal of the American Chemical Society, 139(13):4797, and PUBDB-2018-00580.
doi: 10.1021/jacs.6b12992.
- T. Oelze et al.
Correlated electronic decay in expanding clusters triggered by intense XUV pulses from a Free-Electron-Laser.
Scientific reports, 7:40736, and PUBDB-2017-00830.
doi: 10.1038/srep40736.
- M. P. Olbinado et al.
MHz frame rate hard X-ray phase-contrast imaging using synchrotron radiation.
Optics express, 25(12):13857, and PUBDB-2018-00440.
doi: 10.1364/OE.25.013857.
- S. V. Ovsyannikov et al.
Structural and Magnetic Transitions in $\text{CaCo}_3\text{V}_4\text{O}_{12}$ Perovskite at Extreme Conditions.
Inorganic chemistry, 56(11):6251, and PUBDB-2018-00582.
doi: 10.1021/acs.inorgchem.7b00330.
- A. Owens et al.
ExoMol line lists – XXII. The rotation-vibration spectrum of silane up to 1200K.
Monthly notices of the Royal Astronomical Society, 471(4):5025, and PUBDB-2017-11037.
doi: 10.1093/mnras/stx1952.
- A. Owens et al.
Simulating electric field interactions with polar molecules using spectroscopic databases.
Scientific reports, 7:45068, and PUBDB-2017-01464.
doi: 10.1038/srep45068.
- T. Pakendorf et al.
High-speed fixed-target serial virus crystallography.
Nature methods, 14:805, and PUBDB-2017-05548.
doi: 10.1038/nmeth.4335.
- A. Pakhomova et al.
A closer look into close packing: pentacoordinated silicon in a high-pressure polymorph of danburite.
IUCrJ, 4(5):671, and PUBDB-2017-09010.
doi: 10.1107/S2052252517010612.
- A. Pakhomova et al.
A new high-pressure phase transition in clinoferrosilite: In situ single-crystal X-ray diffraction study.
American mineralogist, 102(3):666, and PUBDB-2018-00441.
doi: 10.2138/am-2017-5853.
- M. K. Panda et al.
Acoustic Emission from Organic Martensites.
Angewandte Chemie / International edition, 56(28):8104, and PUBDB-2017-11620.
doi: 10.1002/anie.201702359.
- S. Panneerselvam et al.
Rapid cadmium SAD phasing at the standard wavelength (1Å).
Acta crystallographica / D, 73(7):581, and PUBDB-2017-06548.
doi: 10.1107/S2059798317006970.
- W. Paszkowicz et al.
Structure and thermal expansion of $\text{Ca}_9\text{Gd}(\text{VO}_4)_7$: A combined powder-diffraction and dilatometric study of a Czochralski-grown crystal.
Nuclear instruments & methods in physics research / B, 411:100, and PUBDB-2018-00323.
doi: 10.1016/j.nimb.2017.07.026.
- J. Patommel et al.
Focusing hard x rays beyond the critical angle of total reflection by adiabatically focusing lenses.
Applied physics letters, 110(10):101103, and PUBDB-2017-01321.
doi: 10.1063/1.4977882.
- F. Perakis et al.
Diffusive dynamics during the high-to-low density transition in amorphous ice.
Proceedings of the National Academy of Sciences of the United States of America, 114(31):8193, and PUBDB-2017-08683.
doi: 10.1073/pnas.1705303114.
- S. M. D. C. Perera et al.
Time-Resolved Wide-Angle X-Ray Scattering Reveals Protein Quake in Rhodopsin Activation.
Biophysical journal, 112(3):506a, and PUBDB-2018-00536.
doi: 10.1016/j.bpj.2016.11.2740.
- C. Pérez et al.
Coherent Enantiomer-Selective Population Enrichment Using Tailored Microwave Fields.
Angewandte Chemie / International edition, 56(41):12512, and PUBDB-2017-10446.
doi: 10.1002/anie.201704901.
- E. Perret et al.
Structural, magnetic and electronic properties of pulsed-laser-deposition grown $\text{SrFeO}_{3-\delta}$ thin films and $\text{SrFeO}_{3-\delta}/\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ multilayers.
Journal of physics / Condensed matter, 29(49):495601, and PUBDB-2017-12073.
doi: 10.1088/1361-648X/aa93a6.
- P. Pierini et al.
Fabrication and Vertical Test Experience of the European X-ray Free Electron Laser 3.9 GHz Superconducting Cavities.
Physical review accelerators and beams, 20(4):042006, and PUBDB-2017-13474.
doi: 10.1103/PhysRevAccelBeams.20.042006.

- V. Piottter et al.
Development of a ceramic injection molding process for liquid jet nozzles to be applied for X-ray free-electron lasers.
Microsystem technologies, 24(2):1247, and PUBDB-2017-12326.
doi: 10.1007/s00542-017-3493-7.
- T. Plath et al.
Mapping few-femtosecond slices of ultra-relativistic electron bunches.
Scientific reports, 7(1):2431, and PUBDB-2017-04587.
doi: 10.1038/s41598-017-02184-3.
- N. Poccia et al.
Dislocations as a boundary between charge density wave and oxygen rich phases in a cuprate high temperature superconductor.
Superconductor science and technology, 30(3):035016, and PUBDB-2018-00586.
doi: 10.1088/1361-6668/aa5732.
- A. Polyzoidis et al.
Revealing the Initial Reaction Behavior in the Continuous Synthesis of Metal–Organic Frameworks Using Real-Time Synchrotron X-ray Analysis.
Inorganic chemistry, 56(10):5489, and PUBDB-2017-03595.
doi: 10.1021/acs.inorgchem.7b00325.
- P. Polzin et al.
From ligand exchange to reaction intermediates: what does really happen during the synthesis of emissive complexes?
Physical chemistry, chemical physics, 20(11):7428, and PUBDB-2018-00143.
doi: 10.1039/C7CP07142F.
- D. Popp et al.
Flow-aligned, single-shot fiber diffraction using a femtosecond X-ray free-electron laser.
Cytoskeleton, 74(12):472, and PUBDB-2017-11811.
doi: 10.1002/cm.21378.
- K. Przygoda et al.
MicroTCA.4 based RF and Laser Cavities Regulation Including Piezo Controls.
IEEE transactions on nuclear science, 64(6):1389, and PUBDB-2017-06230.
doi: 10.1109/TNS.2017.2710286.
- S. Pumpe et al.
Monolithic optofluidic mode coupler for broadband thermo- and piezo-optical characterization of liquids.
Optics express, 25(19):22932, and PUBDB-2018-00492.
doi: 10.1364/OE.25.022932.
- J. M. Pusterla et al.
Cooling induces phase separation in membranes derived from isolated CNS myelin.
PLoS one, 12(9):e0184881, and PUBDB-2017-14149.
doi: 10.1371/journal.pone.0184881.
- W. P. Putnam et al.
Optical-field-controlled photoemission from plasmonic nanoparticles.
Nature physics, 13:335, and PUBDB-2017-00010.
doi: 10.1038/nphys3978.
- D. Raiser et al.
Evolution of Hot Polaron States with a Nanosecond Lifetime in a Manganite Perovskite.
Advanced energy materials, 7(12):1602174, and PUBDB-2017-01438.
doi: 10.1002/aenm.201602174.
- P. J. Ray et al.
Staging superstructures in high- T_c Sr/O codoped $La_{2-x}Sr_xCuO_{4+y}$.
Physical review / B, 96(17):174106, and PUBDB-2017-11905.
doi: 10.1103/PhysRevB.96.174106.
- J. Reinhardt et al.
Beamstop-Based Low-Background Ptychography to Image Weakly Scattering Objects.
Ultramicroscopy, 173:52, and PUBDB-2016-05652.
doi: 10.1016/j.ultramicro.2016.11.005.
- H. Reinsch et al.
Combined in- and ex situ studies of pyrazine adsorption into the aliphatic MOF Al-CAU-13: structures, dynamics and correlations.
Dalton transactions, 46(5):1397, and PUBDB-2017-00838.
doi: 10.1039/C6DT03998G.
- D. Reschke et al.
Performance in the vertical test of the 832 nine-cell 1.3 GHz cavities for the European X-ray Free Electron Laser.
Physical review accelerators and beams, 20(4):042004, and PUBDB-2017-01882.
doi: 10.1103/PhysRevAccelBeams.20.042004.
- T. Rhauderwiek et al.
Co-Ligand Dependent Formation and Phase Transformation of Four Porphyrin-Based Cerium Metal–Organic Frameworks.
Crystal growth & design, 17(6):3462, and PUBDB-2017-14167.
doi: 10.1021/acs.cgd.7b00450.
- D. Rompotis et al.
Single-shot nonlinear spectroscopy in the vacuum-ultraviolet.
Optica, 4(8):871, and PUBDB-2017-11802.
doi: 10.1364/OPTICA.4.000871.
- J. Rönsch-Schulenburg et al.
Experience with Multi-Beam and Multi-Beamline FEL-Operation.
Journal of physics / Conference Series, 874:012023, and PUBDB-2017-12551.
doi: 10.1088/1742-6596/874/1/012023.
- T. Roth et al.
Materials for x-ray refractive lenses minimizing wavefront distortions.
MRS bulletin, 42(6):430, and PUBDB-2018-00592.
doi: 10.1557/mrs.2017.117.
- A. Rudenko et al.
Femtosecond response of polyatomic molecules to ultra-intense hard X-rays.
Nature, 546(7656):129, and PUBDB-2017-04151.
doi: 10.1038/nature22373.

J. Ruiz-Fuertes et al.

Ambient-temperature high-pressure-induced ferroelectric phase transition in $\text{CaMnTi}_2\text{O}_6$.

Physical review / B, 96(9):094101, and PUBDB-2017-12880.
doi: 10.1103/PhysRevB.96.094101.

L. Rullik et al.

Surface development of a brazing alloy during heat treatment - A comparison between UHV and APXPS.

Journal of physics / Condensed matter, 30:02400, and PUBDB-2017-12567.
doi: 10.1088/1361-648X/aa9cb3.

D. Rupp et al.

Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source.

Nature Communications, 8(1):493, and PUBDB-2017-14150.
doi: 10.1038/s41467-017-00287-z.

R. Rybaniec et al.

FPGA Based RF and Piezo Controllers for SRF Cavities in CW Mode.

IEEE transactions on nuclear science, 64(6):1382, and PUBDB-2017-06227.
doi: 10.1109/TNS.2017.2687981.

M. Sabbar et al.

State-resolved attosecond reversible and irreversible dynamics in strong optical fields.

Nature physics, 13:472, and PUBDB-2017-00884.
doi: 10.1038/nphys4027.

S. Sakshath et al.

Optical pump - nuclear resonance probe experiments on spin crossover complexes.

Hyperfine interactions, 238(1):89, and PUBDB-2017-12516.
doi: 10.1007/s10751-017-1461-3.

K. Saksl et al.

Devitrification and hydrogen storage capacity of the eutectic $\text{Ca}_{72}\text{Mg}_{28}$ metallic glass.

Journal of alloys and compounds, 725:916, and PUBDB-2017-11615.
doi: 10.1016/j.jallcom.2017.07.226.

A. K. Samanta et al.

Antagonistic Interplay Between an Intermolecular $\text{CH}\cdots\text{O}$ and an Intramolecular $\text{OH}\cdots\text{O}$ Hydrogen Bond in a 1:1 Complex Between 1,2-Cyclohexanedione and Chloroform: A Combined Matrix Isolation Infrared and Quantum Chemistry Study.

The journal of physical chemistry / A, 121(32):6012, and PUBDB-2017-13932.
doi: 10.1021/acs.jpca.7b05615.

A. Sanchez-Gonzalez et al.

Accurate prediction of X-ray pulse properties from a free-electron laser using machine learning.

Nature Communications, 8:15461, and PUBDB-2018-00593.
doi: 10.1038/ncomms15461.

I. Santoso et al.

Unraveling Local Spin Polarization of Zhang-Rice Singlet in Lightly Hole-Doped Cuprates Using High-Energy Optical Conductivity.

Physical review / B, 95(16):165108, and PUBDB-2017-01533.
doi: 10.1103/PhysRevB.95.165108.

R. Santra and J. Schirmer.

Finite-temperature second-order many-body perturbation theory revisited.

Chemical physics, 482:355, and PUBDB-2017-00883.
doi: 10.1016/j.chemphys.2016.08.001.

E. Savelyev et al.

Jitter-correction for IR/UV-XUV pump-probe experiments at the FLASH free-electron laser.

New journal of physics, 19(4):043009, and PUBDB-2017-01661.
doi: 10.1088/1367-2630/aa652d.

E. D. Schaefer et al.

Vectorial spin polarization detection in multichannel spin-resolved photoemission spectroscopy using an Ir(001) imaging spin filter.

Physical review / B, 95(10):104423, and PUBDB-2018-00329.
doi: 10.1103/PhysRevB.95.104423.

B. Schäfer et al.

A luminescent Pt_2Fe spin crossover complex.

Dalton transactions, 46(7):2289, and PUBDB-2017-01303.
doi: 10.1039/C6DT04360G.

L. Scherthan et al.

Effects of mechanical loading on the magnetic and dynamic properties of engineering materials.

Hyperfine interactions, 238(1):103, and PUBDB-2017-13552.
doi: 10.1007/s10751-017-1459-x.

S. Schippers et al.

Near L -edge Single and Multiple Photoionization of Singly Charged Iron Ions.

The astrophysical journal, 849(1):5, and PUBDB-2017-11558.
doi: 10.3847/1538-4357/aa8fcc.

S. Schippers et al.

Multi-electron processes in K-shell double and triple photodetachment of oxygen anions.

XXX International Conference on Photonic, Electronic, and Atomic Collisions, Cairns (Australia), 25 Jul 2017 - 1 Aug 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/875/3/022004.

K. Schlage et al.

Nuclear Resonant Surface Diffraction of Synchrotron Radiation.

Physical review letters, 118(23):237204, and PUBDB-2017-06090.
doi: 10.1103/PhysRevLett.118.237204.

M. Schlosser, M. Etter and A. Pfitzner.

Influence of Alkali Metal Substitution on the Phase Transition Behavior of CsGaQ_2 ($Q = \text{S}, \text{Se}$).

Crystals, 7(12):379, and PUBDB-2017-13485.
doi: 10.3390/cryst7120379.

H. Schmiedt et al.

A semi-classical approach to the calculation of highly excited rotational energies for asymmetric-top molecules.

Physical chemistry, chemical physics, 19(3):1847, and PUBDB-2017-00044.

doi: 10.1039/C6CP05589C.

V. Schnabel et al.

Ultra-stiff metallic glasses through bond energy density design.

Journal of physics / Condensed matter, 29(26):265502, and PUBDB-2017-03792.

doi: 10.1088/1361-648X/aa72cb.

E. Schneck et al.

Element-specific density profiles in interacting biomembrane models.

Journal of physics / D, 50(10):104001, and PUBDB-2018-00594.

doi: 10.1088/1361-6463/aa59d3.

R. Schneider et al.

Quantum imaging with incoherently scattered light from a free-electron laser.

Nature physics, 14:126, and PUBDB-2017-12132.

doi: 10.1038/nphys4301.

E. A. Schneidmiller et al.

First Operation of a Harmonic Lasing Self-Seeded Free Electron Laser.

Physical review accelerators and beams, 20(2):020705, and PUBDB-2017-01078.

doi: 10.1103/PhysRevAccelBeams.20.020705.

J. Scholz et al.

Pore geometry effect on the synthesis of silica supported perovskite oxides.

Journal of colloid and interface science, 504:346, and PUBDB-2017-10970.

doi: 10.1016/j.jcis.2017.05.107.

G. Schönhense et al.

Spin-filtered time-of-flight k -space microscopy of Ir – Towards the “complete” photoemission experiment.

Ultramicroscopy, 183:19, and PUBDB-2018-00331.

doi: 10.1016/j.ultramic.2017.06.025.

U. A. Schröder et al.

Core level shifts of intercalated graphene.

2D Materials, 4(1):015013, and PUBDB-2016-04844.

doi: 10.1088/2053-1583/4/1/015013.

M. Schwartzkopf et al.

Role of Sputter Deposition Rate in Tailoring Nanogranular Gold Structures on Polymer Surfaces.

ACS applied materials & interfaces, 9(6):5629, and PUBDB-2017-14166.

doi: 10.1021/acsami.6b15172.

M. Schwarz et al.

Model Catalytic Studies of Novel Liquid Organic Hydrogen Carriers: Indole, Indoline and Octahydroindole on Pt(111).

Chemistry - a European journal, 23(59):14806, and PUBDB-2017-12643.

doi: 10.1002/chem.201702333.

E. A. Seddon et al.

Short-wavelength free-electron laser sources and science: a review.

Reports on progress in physics, 80(11):115901, and PUBDB-2018-00596.

doi: 10.1088/1361-6633/aa7cca.

F. Seiboth et al.

Perfect X-ray focusing via fitting corrective glasses to aberrated optics.

Nature Communications, 8:14623, and PUBDB-2017-01280.

doi: 10.1038/ncomms14623.

A. Shabalin et al.

Dynamical effects in Bragg coherent x-ray diffraction imaging of finite crystals.

Physical review / B, 96(6):064111, and PUBDB-2018-00334.

doi: 10.1103/PhysRevB.96.064111.

R. Shayduk et al.

Non-uniform nanosecond gate-delay of hybrid pixel detectors.

Journal of synchrotron radiation, 24(5):1082, and PUBDB-2017-12644.

doi: 10.1107/S1600577517009158.

C. Shen et al.

Azobenzene-cholesterol as a photoactivator in biomimetic membranes: 2. membrane structure.

Biophysical Society Annual Meeting 2017, New Orleans (United States), 11 Feb 2017 - 15 Feb 2017.

doi: 10.3204/PUBDB-2017-14111.

M. Shipilin et al.

The influence of incommensurability on the long-range periodicity of the Pd(100)-($\sqrt{5} \times \sqrt{5}$)R27°-PdO(101).

Surface science, 660:1, and PUBDB-2017-03161.

doi: 10.1016/j.susc.2017.01.009.

M. Shipilin et al.

Fe Oxides on Ag Surfaces: Structure and Reactivity.

Topics in catalysis, 60(6-7):492, and PUBDB-2016-04862.

doi: 10.1007/s11244-016-0714-8.

S.-K. Son, O. Geffert and R. Santra.

Compton spectra of atoms at high x-ray intensity.

Journal of physics / B, 50(6):064003, and PUBDB-2017-01255.

doi: 10.1088/1361-6455/aa59cb.

L. Song et al.

In situ study of spray deposited titania photoanodes for scalable fabrication of solid-state dye-sensitized solar cells.

Nano energy, 40:317, and PUBDB-2017-13380.

doi: 10.1016/j.nanoen.2017.08.023.

M. Song et al.

Control of type III protein secretion using a minimal genetic system.

Nature Communications, 8:14737, and PUBDB-2017-09604.

doi: 10.1038/ncomms14737.

- A. L. Steber et al.
Capturing the Elusive Water Trimer from the Stepwise Growth of Water on the Surface of the Polycyclic Aromatic Hydrocarbon Acenaphthene.
The journal of physical chemistry letters, 8(23):5744, and PUBDB-2018-00456.
doi: 10.1021/acs.jpcllett.7b02695.
- S. V. Stefanovsky et al.
Phase partitioning and uranium speciation in brannerite-based ceramics.
Journal of the European Ceramic Society, 37(2):771, and PUBDB-2018-00337.
doi: 10.1016/j.jeurceramsoc.2016.08.028.
- A. Stierle, J. Gustafson and E. Lundgren.
Surface-Sensitive X-ray Diffraction Across the Pressure Gap.
Springer series in chemical physics, 114:59, and PUBDB-2017-12647.
doi: 10.1007/978-3-319-44439-0_3.
- B. Su et al.
Macroscale and Nanoscale Morphology Evolution during in Situ Spray Coating of Titania Films for Perovskite Solar Cells.
ACS applied materials & interfaces, 9(50):43724, and PUBDB-2018-00262.
doi: 10.1021/acsami.7b14850.
- M. Sundermann et al.
The quartet ground state in CeB_6 : An inelastic x-ray scattering study.
epl, 117(1):17003, and PUBDB-2017-03015.
doi: 10.1209/0295-5075/117/17003.
- W. Tabis et al.
Synchrotron X-Ray Scattering Study of Charge-Density-Wave Order in $\text{HgBa}_2\text{CuO}_{4+\delta}$.
Physical review / B, 96(13):134510, and PUBDB-2017-11437.
doi: 10.1103/PhysRevB.96.134510.
- P. Tack et al.
Application toward Confocal Full-Field Microscopic X-ray Absorption Near Edge Structure Spectroscopy.
Analytical chemistry, 89(3):2123, and PUBDB-2017-01362.
doi: 10.1021/acs.analchem.6b04828.
- T. Takanashi et al.
Time-Resolved Measurement of Interatomic Coulombic Decay Induced by Two-Photon Double Excitation of Ne 2.
Physical review letters, 118(3):033202, and PUBDB-2017-10782.
doi: 10.1103/PhysRevLett.118.033202.
- N. Tancogne-Dejean et al.
Ellipticity dependence of high-harmonic generation in solids originating from coupled intraband and interband dynamics.
Nature Communications, 8(1):745, and PUBDB-2017-11098.
doi: 10.1038/s41467-017-00764-5.
- N. Tancogne-Dejean et al.
Impact of the Electronic Band Structure in High-Harmonic Generation Spectra of Solids.
Physical review letters, 118(8):087403, and PUBDB-2017-01144.
doi: 10.1103/PhysRevLett.118.087403.
- N. Tancogne-Dejean et al.
Publisher Correction: Ellipticity dependence of high-harmonic generation in solids originating from coupled intraband and interband dynamics.
Nature Communications, 8(1):1946, and PUBDB-2018-00352.
doi: 10.1038/s41467-017-01768-x.
- F. Tavella et al.
Soft x-ray induced femtosecond solid-to-solid phase transition.
High energy density physics, 24:22, and PUBDB-2017-05997.
doi: 10.1016/j.hedp.2017.06.001.
- H. Terraschke et al.
In situ luminescence analysis: a new light on monitoring calcium phosphate phase transitions.
Inorganic chemistry frontiers, 4(7):1157, and PUBDB-2017-07482.
doi: 10.1039/C7QI00172J.
- N. Teschmit et al.
Characterizing and optimizing a laser-desorption molecular beam source.
The journal of chemical physics, 147(14):144204, and PUBDB-2017-11440, arXiv:1706.04083.
doi: 10.1063/1.4991639.
- F. Theel, A. Karamatskou and R. Santra.
The fractal geometry of Hartree-Fock.
Chaos, 27(12):123103, and PUBDB-2017-12959.
doi: 10.1063/1.5001681.
- L. V. Thesing, J. Küpper and R. González-Férez.
Time-dependent analysis of the mixed-field orientation of molecules without rotational symmetry.
The journal of chemical physics, 146(24):244304, and PUBDB-2017-07350, arXiv:1705.03225.
doi: 10.1063/1.4986954.
- Y. Tian et al.
Martensite formation during incremental cooling of Fe-Cr-Ni alloys: An in-situ bulk X-ray study of the grain-averaged and single-grain behavior.
Scripta materialia, 136:124, and PUBDB-2017-05176.
doi: 10.1016/j.scriptamat.2017.04.020.
- V. Tkachenko et al.
Picosecond relaxation of X-ray excited GaAs.
High energy density physics, 24:15, and PUBDB-2017-10894.
doi: 10.1016/j.hedp.2017.05.012.
- K. Tolborg et al.
Accurate charge densities from powder X-ray diffraction – a new version of the Aarhus vacuum imaging-plate diffractometer.
Acta crystallographica / B, 73(4):521, and PUBDB-2017-09972.
doi: 10.1107/S2052520617006357.
- E. S. Torabi, A. Fallahi and A. Yahaghi.
Evolutionary Optimization of Graphene-Metal Metasurfaces for Tunable Broadband Terahertz Absorption.
IEEE transactions on antennas and propagation, 65(3):1464, and PUBDB-2018-00540.
doi: 10.1109/TAP.2016.2647580.

- M. Toufarová et al.
Contrasting behavior of covalent and molecular carbon allotropes exposed to extreme ultraviolet and soft x-ray free-electron laser radiation.
Physical review / B, 96(21):214101, and PUBDB-2017-12783.
doi: 10.1103/PhysRevB.96.214101.
- K. Toyota, S.-K. Son and R. Santra.
Interplay between relativistic energy corrections and resonant excitations in x-ray multiphoton ionization dynamics of Xe atoms.
Physical review / A, 95(4):043412, and PUBDB-2017-01674.
doi: 10.1103/PhysRevA.95.043412.
- S. Usenko et al.
Attosecond Interferometry with Self-Amplified Spontaneous Emission of a free-electron laser.
Nature Communications, 8:15626, and PUBDB-2017-02744.
doi: 10.1038/ncomms15626.
- S. Usenko et al.
Femtosecond dynamics of correlated many-body states in C₆₀ fullerenes.
Journal of physics / Conference Series, 875:032022, and PUBDB-2018-00311.
doi: 10.1088/1742-6596/875/4/032022.
- S. Usenko et al.
Split-and-delay Unit for FEL Interferometry in the XUV Spectral Range.
Applied Sciences, 7(6):544, and PUBDB-2017-03398.
doi: 10.3390/app7060544.
- R. Vadapoo et al.
Synthesis of a polar ordered oxynitride perovskite.
Physical review / B, 95(21):214120, and PUBDB-2018-00542.
doi: 10.1103/PhysRevB.95.214120.
- I. Vartaniants et al.
Probing Dynamics in Colloidal crystals with pump-probe experiments at LCLS Methodology and analysis.
Applied Sciences, 7(5):519, and PUBDB-2017-03368.
doi: 10.3390/app7050519.
- L. Veiga et al.
Pressure tuning of bond-directional exchange interactions and magnetic frustration in the hyperhoneycomb iridate β -Li₂IrO₃.
Physical review / B, 96(14):140402, and PUBDB-2017-11623.
doi: 10.1103/PhysRevB.96.140402.
- V. Vonk, N. Khorshidi and A. Stierle.
Structure and Oxidation Behavior of Nickel Nanoparticles Supported by YSZ(111).
The journal of physical chemistry / C, 121(5):2798, and PUBDB-2017-03162.
doi: 10.1021/acs.jpcc.6b11342.
- V. Vonk et al.
Observation of Ultrathin Precursor Film Formation during Ge-Si Liquid-Phase Epitaxy from an Undersaturated Solution.
Langmuir, 33(3):814, and PUBDB-2017-12650.
doi: 10.1021/acs.langmuir.6b03984.
- M. Waitz et al.
Imaging the square of the correlated two-electron wave function of a hydrogen molecule.
Nature Communications, 8(1):2266, and PUBDB-2017-14056.
doi: 10.1038/s41467-017-02437-9.
- C. Wan et al.
Intensity noise coupling in soliton fiber oscillators.
Optics letters, 42(24):5266, and PUBDB-2018-00600.
doi: 10.1364/OL.42.005266.
- C. Weber et al.
Multiple timescales in the photoswitching kinetics of crystalline thin films of azobenzene-trimers.
Journal of physics / Condensed matter, 29(43):434001, and PUBDB-2018-00605.
doi: 10.1088/1361-648X/aa8654.
- S. Wei et al.
Structural evolution on medium-range-order during the fragile-strong transition in Ge₁₅Te₈₅.
Acta materialia, 129:259, and PUBDB-2017-11607.
doi: 10.1016/j.actamat.2017.02.055.
- C. Weis et al.
Pressure driven spin transition in siderite and magnesiosiderite single crystals.
Scientific reports, 7(1):16526, and PUBDB-2017-12450.
doi: 10.1038/s41598-017-16733-3.
- M. Wenskat.
Automated Optical Inspection and Image Analysis of Superconducting Radio-Frequency Cavities.
Journal of Instrumentation, 12(05):P05016, and PUBDB-2017-04531, DESY-17-061; arXiv:1704.06081.
doi: 10.1088/1748-0221/12/05/P05016.
- M. Wenskat.
Optical surface properties and their RF limitations of European XFEL cavities.
Superconductor science and technology, 30(10):105007, and PUBDB-2018-00359.
doi: 10.1088/1361-6668/aa828b.
- M. Wenskat and J. Schaffran.
Analysis of the Cool Down Related Cavity Performance of the European XFEL Vertical Acceptance Tests.
AIP Advances, 7(11):14, and PUBDB-2017-11797, DESY-17-135; arXiv:1609.06503.
doi: 10.1063/1.5004482.
- P. Wernet et al.
Communication: Direct evidence for sequential dissociation of gas-phase Fe(CO)₅ via a singlet pathway upon excitation at 266 nm.
The journal of chemical physics, 146(21):211103, and PUBDB-2017-04558.
doi: 10.1063/1.4984774.

T. A. White.

Processing of XFEL Data.

Protein Crystallography / Wlodawer, Alexander (Editor) ; New York, NY : Springer New York, 2017, Chapter 13 ; ISSN: 1064-3745=1940-6029 ; ISBN: 978-1-4939-6998-2=978-1-4939-7000-1 ; doi:10.1007/978-1-4939-7000-1.

Springer New York, New York, NY.

doi: 10.1007/978-1-4939-7000-1_13.

M. O. Wiedorn et al.

Post-sample aperture for low background diffraction experiments at X-ray free-electron lasers.

Journal of synchrotron radiation, 24(6):1296, and PUBDB-2017-11182.

doi: 10.1107/S1600577517011961.

W. Wierzechowski et al.

Characterization of $A^{III}B^V$ superlattices by means of synchrotron diffraction topography and high-resolution X-ray diffraction.

Journal of applied crystallography, 50(4):1192, and PUBDB-2018-00603.

doi: 10.1107/S1600576717008846.

S. Willing et al.

Metal nanoparticle film-based room temperature Coulomb transistor.

Science advances, 3(7):e1603191, and PUBDB-2018-00577.

doi: 10.1126/sciadv.1603191.

D. H. Wojtas et al.

Analysis of XFEL serial diffraction data from individual crystalline fibrils.

IUCrJ, 4(6):795, and PUBDB-2017-11523.

doi: 10.1107/S2052252517014324.

L. J. Wong et al.

Laser-Induced Linear-Field Particle Acceleration in Free Space.

Scientific reports, 7(1):11159, and PUBDB-2017-11097.

doi: 10.1038/s41598-017-11547-9.

H.-C. Wu et al.

Large positive in-plane magnetoresistance induced by localized states at nanodomain boundaries in graphene.

Nature Communications, 8:14453, and PUBDB-2017-02671.

doi: 10.1038/ncomms14453.

H. Xiong et al.

Soft-x-ray-induced ionization and fragmentation dynamics of $Sc_3N@C_{80}$ investigated using an ion-ion-coincidence momentum-imaging technique.

Physical review / A, 96(3):033408, and PUBDB-2018-00471.

doi: 10.1103/PhysRevA.96.033408.

A. Yachmenev and J. Küpper.

Communication: General variational approach to nuclear-quadrupole coupling in rovibrational spectra of polyatomic molecules.

The journal of chemical physics, 147(14):141101, and PUBDB-2017-11260.

doi: 10.1063/1.5002533.

A. Yahaghi et al.

Designing chirped aperiodically poled structures for high-energy single-cycle terahertz generation.

Journal of the Optical Society of America / B, 34(3):590, and PUBDB-2017-01059.

doi: 10.1364/JOSAB.34.000590.

H. Yavas et al.

New materials for high-energy-resolution x-ray optics.

Energy quarterly, 42(06):424, and PUBDB-2017-06100.

doi: 10.1557/mrs.2017.94.

T. Yerebakan et al.

Red-diode-pumped Cr:Nd:GSGG laser: two-color mode-locked operation.

Journal of the Optical Society of America / B, 34(5):1023, and PUBDB-2017-02126.

doi: 10.1364/JOSAB.34.001023.

Z. Yin et al.

An endstation for resonant inelastic X-ray scattering studies of solid and liquid samples.

Journal of synchrotron radiation, 24(1):302, and PUBDB-2017-09601.

doi: 10.1107/S1600577516016611.

Z. Yin et al.

Cationic and Anionic Impact on the Electronic Structure of Liquid Water.

The journal of physical chemistry letters, 8(16):3759, and PUBDB-2017-08762.

doi: 10.1021/acs.jpclett.7b01392.

Z. Yin et al.

Highly efficient soft X-ray spectrometer based on a reflection zone plate for resonant inelastic X-ray scattering measurements.

Optics express, 25(10):10984, and PUBDB-2017-02205.

doi: 10.1364/OE.25.010984.

K. Yoshida et al.

Evaluation of effects of crack deflection and grain bridging on toughening of nanocrystalline SiO_2 stishovite.

Journal of the European Ceramic Society, 37(15):5113, and PUBDB-2018-00477.

doi: 10.1016/j.jeurceramsoc.2017.06.047.

K. Yoshida et al.

Strength and toughness of nanocrystalline SiO_2 stishovite toughened by fracture-induced amorphization.

Acta materialia, 124:316, and PUBDB-2016-05544.

doi: 10.1016/j.actamat.2016.11.014.

Q. Yu et al.

Pressure-induced structural change in liquid GaIn eutectic alloy.

Scientific reports, 7(1):1139, and PUBDB-2017-01894.

doi: 10.1038/s41598-017-01233-1.

S. N. Yurchenko, A. Yachmenev and R. I. Ovsyannikov.

Symmetry-Adapted Ro-vibrational Basis Functions for Variational Nuclear Motion Calculations: TROVE Approach.

Journal of chemical theory and computation, 13(9):4368, and PUBDB-2017-10686.

doi: 10.1021/acs.jctc.7b00506.

- K. Yusenkov et al.
Ir–Re binary alloys under extreme conditions and their electrocatalytic activity in methanol oxidation.
Acta materialia, 139:236, and PUBDB-2018-00573.
doi: 10.1016/j.actamat.2017.08.012.
- I. Zaluzhnyy et al.
Analysis of the shape of x-ray diffraction peaks originating from the hexatic phase of liquid crystal films.
Molecular crystals and liquid crystals, 647(1):169, and PUBDB-2017-00925.
doi: 10.1080/15421406.2017.1289582.
- I. Zaluzhnyy et al.
Quantifying Angular Correlations between the Atomic Lattice and the Superlattice of Nanocrystals Assembled with Directional Linking.
Nano letters, 17(6):3511, and PUBDB-2017-05074.
doi: 10.1021/acs.nanolett.7b00584.
- I. Zaluzhnyy et al.
Structure Studies of the Bond-Orientational order and the hexatic-smectic transition in liquid crystals of various compositions.
Soft matter, 13(17):3240, and PUBDB-2017-01684.
doi: 10.1039/C7SM00343A.
- A. Zaporozhchenko-Zymaková et al.
Momentum-resolved photoelectron absorption in surface barrier scattering on Ir(111) and graphene/Ir(111).
Physical review / B, 96(15):155108, and PUBDB-2018-00478.
doi: 10.1103/PhysRevB.96.155108.
- F. Zhang et al.
Integration of electrochemical and synchrotron-based X-ray techniques for in-situ investigation of aluminum anodization.
Electrochimica acta, 241:299, and PUBDB-2018-00058.
doi: 10.1016/j.electacta.2017.04.154.
- H. Zhang et al.
Structural basis for selectivity and diversity in angiotensin II receptors.
Nature, 544(7650):327, and PUBDB-2017-11813.
doi: 10.1038/nature22035.
- J. Zhang et al.
Complexion-mediated martensitic phase transformation in Titanium.
Nature Communications, 8:14210, and PUBDB-2017-00839.
doi: 10.1038/ncomms14210.
- W. Zhang et al.
Manipulating charge transfer excited state relaxation and spin crossover in iron coordination complexes with ligand substitution.
Chemical science, 8:515, and PUBDB-2016-06105.
doi: 10.1039/C6SC03070J.
- Y. Zhang et al.
Towards in situ determination of 3D strain and reorientation in the interpenetrating nanofibre networks of cuticle.
Nanoscale, 9(31):11249, and PUBDB-2017-11841.
doi: 10.1039/C7NR02139A.
- Y. Zhong et al.
Hot carrier relaxation in CdTe via phonon–plasmon modes.
Journal of physics / Condensed matter, 29(9):095701, and PUBDB-2017-01439.
doi: 10.1088/1361-648X/aa5478.
- X. E. Zhou et al.
Identification of Phosphorylation Codes for Arrestin Recruitment by G Protein-Coupled Receptors.
Cell, 170(3):457, and PUBDB-2017-11522.
doi: 10.1016/j.cell.2017.07.002.
- F. Ziegert, M. Koof and J. Wagner.
A new class of copolymer colloids with tunable, low refractive index for investigations of structure and dynamics in concentrated suspensions.
Colloid & polymer science, 295(9):1563, and PUBDB-2018-00361.
doi: 10.1007/s00396-017-4137-2.
- A. Zykov et al.
Diffusion and nucleation in multilayer growth of PTCDI – C₈ studied with in situ X-ray growth oscillations and real-time small angle X-ray scattering.
The journal of chemical physics, 146(5):052803, and PUBDB-2018-00259.
doi: 10.1063/1.4961460.

Dissertationen

- P. Alexeev.
Nuclear Resonance Scattering Study of Iridates, Iridium and Antimony Based Pyrochlores.
Universität Hamburg, 2017.
- K. Bagschik.
Coherent soft X-ray magnetic scattering and spatial coherence determination.
University of Hamburg, Hamburg, 2017.
- A. Britz.
Ultrafast X-ray Spectroscopies of Transition Metal Complexes Relevant for Catalysis.
University of Hamburg, 2017.
- M. Chegkazi.
Structural characterization of cell surface receptors involved in axon guidance.
University of Heidelberg, 2017.
- S. Dastjani Farahani.
Structural modification of solids by ultra-short X-ray laser pulses.
University of Hamburg, 2017.
- D. Dzhigaev.
Characterization of nanowires by coherent x-ray diffractive imaging and ptychography.
Universität Hamburg, Hamburg, 2017.
- A. Everhardt.
Novel phases in ferroelectric BaTiO₃ thin films.
University of Groningen, 2017.

- M. Fayyaz.
Structural Characterization of Small basic protein (Sbp) and Accumulation associated protein (Aap) – two Proteins involved in Biofilm Formation in Staphylococcus epidermidis.
University of Hamburg, 2017.
- S. Festersen.
Strukturuntersuchungen an Flüssigkeitsgrenzflächen mittels Röntgenstreuungsmethoden.
Kiel University, Kiel, 2017.
- D. Franz.
Atomic structure of graphene supported heterogeneous model catalysts.
Universität Hamburg, Hamburg, 2017.
- O. Gorobtsov.
Coherent Methods in X-Ray Scattering.
Universität Hamburg, Hamburg, 2017.
- C. Granados-Miralles.
Exchange-Coupling and Nano-Structuring As a Means to Improve the Magnetic Performance of Ferrite Nanoparticles: *i In Situ* /i and *i Ex Situ* /i Powder Diffraction Studies.
Aarhus University, 2017.
- J. Haber.
Hard X-ray quantum optics in thin-film nanostructures.
Universität Hamburg, Hamburg, 2017.
- J. Hagemann.
X-Ray Near-Field Holography: Beyond Idealized Assumptions of the Probe.
University of Goettingen, Göttingen, 2017.
- T. Hellert.
Intra-Bunch-Train Transverse Dynamics in the Superconducting Accelerators FLASH and European XFEL.
Universität Hamburg, Hamburg, 2017.
- S. Hoffmann-Urlaub.
X-ray waveguide optics: Beyond straight channels.
University of Goettingen, Göttingen, 2017.
- T. Kierspel.
Imaging structure and dynamics using controlled molecules.
Universität Hamburg, Hamburg, 2017.
- S. Klare.
Der Einfluss des Messuntergrundes auf die Ptychographische Bildgebung.
University of Hamburg, 2017.
- T. Lamb.
Laser-to-RF Phase Detection with Femtosecond Precision for Remote Reference Phase Stabilization in Particle Accelerators.
Technische Universität Hamburg Harburg, Hamburg, 2017.
- L. A. Martin Montoya.
Automatic reduction of large x-ray fluorescence data-sets applied to XAS and mapping experiments.
Universität Paderborn, Hamburg, 2017.
- K. Murari.
Few-cycle High Energy Mid-Infrared Pulse from Ho:YLF Laser.
Universität Hamburg, Hamburg, 2017.
- T. Nuguid.
Struktur-Funktions-Analyse ausgewählter Proteine des Typ-III-Sekretionssystems aus Yersinia enterocolitica: YopB, YopD, YopQ, SycD.
University of Hamburg, 2017.
- K. Psenakova.
Structural study of the ASK1:thioredoxin complex.
Charles University in Prague, 2017.
- M. Rahn.
Magnetism in Quantum Materials Probed by X-ray and Neutron Scattering.
University of Oxford, 2017.
- J. Reinhardt.
Resonant Hard X-ray Ptychography for High-Sensitivity Imaging with Chemical Contrast.
University of Hamburg, 2017.
- J. Reinhardt.
Resonant Hard X-ray Ptychography for High-Sensitivity Imaging with Chemical Contrast.
University of Hamburg, 2017.
- H. Robert.
X-ray absorption in hydrides of the 3p and 4p elements.
University of Maribor, Maribor, Slovenia, 2017.
- P. Roedig.
A New Fixed-Target Approach for Serial Crystallography at Synchrotron Light Sources and X-ray Free Electron Lasers.
Universität Hamburg, Hamburg, 2017.
- S. Roese.
Stabilization and aggregation of preformed silver clusters in room temperature ionic liquids: A UV/Vis and X-ray absorption spectroscopy study.
TU Dortmund, Dortmund, 2017.
- A. Schavkan.
Dynamics of colloidal systems of magnetic nanoparticles under influence of magnetic fields investigated by XPCS.
Universität Hamburg, Hamburg, 2017.
- C. Shen.
Active compounds in biomimetic membranes: translating external trigger signals into mechanical responses of a lipid matrix.
University of Southern Denmark, Odense, Denmark, 2017.
- S. Volkov.
Operando X-ray Investigation of Solid Oxide Fuel Cell Model Electrodes.
Universität Hamburg, Hamburg, 2017.
- B. Wiese.
The Effect of CaO on Magnesium and Magnesium Calcium Alloys.
Technische Universität Clausthal, Technische Universität Clausthal, 2017.
- Y. Yang.
A novel optical tool for controlling and probing ultrafast surface dynamics.
Universität Hamburg, Hamburg, 2017.

Z. Yin.

X-ray Spectroscopy of Complex Chemical Systems in Liquid Phase.

Georg-August-Universität Göttingen, 2017.

Q. Zhong.

Advanced x-ray multilayer waveguide optics.

University of Goettingen, Göttingen, 2017.

G. Zhou.

Power scaling of ultrafast mid-IR source enabled by high-power fiber laser technology.

Universität Hamburg, Hamburg, 2017.

3 | POF3-630 - Materie und Technologie

ISI oder Scopus

F. Ahr et al.

Narrowband terahertz generation with chirped-and-delayed laser pulses in periodically poled lithium niobate.

Optics letters, 42(11):2118, and PUBDB-2017-03059.
doi: 10.1364/OL.42.002118.

P. Amstutz et al.

Confining continuous manipulations of accelerator beam-line optics.

Physical review accelerators and beams, 20(4):042802, and PUBDB-2017-04049, DESY-16-071; arXiv:1604.06658.
doi: 10.1103/PhysRevAccelBeams.20.042802.

L. Assoufid and H. Graafsma.

Next-generation materials for future synchrotron and free-electron laser sources.

Energy quarterly, 42(6):418, and PUBDB-2018-00294.
doi: 10.1557/mrs.2017.118.

D. Attié et al.

A time projection chamber with GEM-based readout.

Nuclear instruments & methods in physics research / A, 856:109, and PUBDB-2017-01745.
doi: 10.1016/j.nima.2016.11.002.

M. Bousonville, F. Eints and S. Choroba.

Installation management for the European XFEL main accelerator.

8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/874/1/012016.

R. Brinkmann et al.

Chirp Mitigation of Plasma-Accelerated Beams by a Modulated Plasma Density.

Physical review letters, 118(21):214801, and PUBDB-2017-03953, arXiv:1603.08489.
doi: 10.1103/PhysRevLett.118.214801.

L. Butkowski et al.

A Model Based Fast Protection System for High Power RF Tube Amplifiers Used at the European XFEL Accelerator.

IEEE transactions on nuclear science, 64(6):1203, and PUBDB-2017-06228.
doi: 10.1109/TNS.2017.2706560.

CMS Collaboration.

Alignment of the CMS Tracker: Latest Results from LHC Run-II.

Journal of physics / Conference Series, 898:042014, and PUBDB-2017-12756.
doi: 10.3204/PUBDB-2017-12756.

CMS Collaboration.

Mechanical stability of the CMS strip tracker measured with a laser alignment system.

Journal of Instrumentation, 12(04):P04023, and PUBDB-2017-10132, CMS-TRK-15-002; CERN-EP-2016-320; arXiv:1701.02022.
doi: 10.1088/1748-0221/12/04/P04023.

CMS Collaboration.

P-Type Silicon Strip Sensors for the new CMS Tracker at HL-LHC.

Journal of Instrumentation, 12(06):P06018, and PUBDB-2018-00521.
doi: 10.1088/1748-0221/12/06/P06018.

CMS Collaboration.

Test beam results of the first CMS double-sided strip module prototypes using the CBC2 read-out chip.

Nuclear instruments & methods in physics research / A, 845:93, and PUBDB-2017-10796.
doi: 10.1016/j.nima.2016.06.027.

F. Costanza et al.

The next generation Front-End Controller for the Phase-I Upgrade of the CMS Hadron Calorimeters.

Journal of Instrumentation, 12(03):C03003, and PUBDB-2017-02446.
doi: 10.1088/1748-0221/12/03/C03003.

H. Daoud, K. Floettmann and R. J. Dwayne Miller.

Compression of high-density 0.16 pC electron bunches through high field gradients for ultrafast single shot electron diffraction: The Compact RF Gun.

Structural dynamics, 4(4):044016, and PUBDB-2017-10022.
doi: 10.1063/1.4979970.

M. Donato et al.

First functionality tests of a 64 × 64 pixel DSSC sensor module connected to the complete ladder readout.

Journal of Instrumentation, 12(03):C03025, and PUBDB-2017-10155, arXiv:1701.03613.
doi: 10.1088/1748-0221/12/03/C03025.

M. Dragicevic et al.

Test beam performance measurements for the Phase I upgrade of the CMS pixel detector.

Journal of Instrumentation, 12(05):P05022, and PUBDB-2018-00549, CMS-NOTE-2017-002; arXiv:1706.00222.
doi: 10.1088/1748-0221/12/05/P05022.

B. Faatz et al.

The FLASH Facility: Advanced Options for FLASH2 and Future Perspectives.

Applied Sciences, 7(11):1114, and PUBDB-2017-11787.
doi: 10.3390/app7111114.

M. Fakhari, A. Fallahi and F. X. Kärtner.

THz cavities and injectors for compact electron acceleration using laser-driven THz sources.

Physical review accelerators and beams, 20(4):041302, and PUBDB-2017-01878.
doi: 10.1103/PhysRevAccelBeams.20.041302.

A. Ferran Pousa et al.

External injection into a laser-driven plasma accelerator with sub-femtosecond timing jitter.

8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/874/1/012032.

P. Finetti et al.

Pulse Duration of Seeded Free-Electron Lasers.

Physical review / X, 7(2):021043, and PUBDB-2017-06524.
doi: 10.1103/PhysRevX.7.021043.

T. Flisgen et al.

Eigenmode Compendium of the Third Harmonic Module of the European X-ray Free Electron Laser.

Physical review accelerators and beams, 20(4):042002, and PUBDB-2017-11907.
doi: 10.1103/PhysRevAccelBeams.20.042002.

T. Flisgen et al.

Erratum: Eigenmode Compendium of the Third Harmonic Module of the European X-ray Free Electron Laser [Phys. Rev. Accel. Beams 20, 042002 (2017)].

Physical review accelerators and beams, 20(7):079901, and PUBDB-2017-11908.
doi: 10.1103/PhysRevAccelBeams.20.079901.

K. Floettmann.

Emittance Compensation in Split Photoinjectors.

Physical review accelerators and beams, 20(1):013401, and PUBDB-2018-00553.
doi: 10.1103/PhysRevAccelBeams.20.013401.

F. Gaede, B. Hegner and P. Mato.

PODIO: An Event-Data-Model Toolkit for High Energy Physics Experiments.

22nd International Conference on Computing in High Energy and Nuclear Physics (CHEP2016), San Francisco (USA), 10 Oct 2016 - 14 Oct 2016.
IOP Publ., Bristol.
doi: 10.1088/1742-6596/898/7/072039.

Z. Geng.

Superconducting Cavity Control and Model Identification Based on Active Disturbance Rejection Control.

IEEE transactions on nuclear science, 64(3):951, and PUBDB-2018-00302.
doi: 10.1109/TNS.2017.2663660.

Y. A. Goponov et al.

Spatial distribution of PXR generated by 855 MeV electrons: Comparison of simulation results with experimental data.

Nuclear instruments & methods in physics research / B, 402:83, and PUBDB-2017-11909.
doi: 10.1016/j.nimb.2017.03.006.

K. Hansen et al.

Fluxless flip-chip bonding using a lead-free solder bumping technique.

Journal of Instrumentation, 12(09):T09006, and PUBDB-2017-13205.
doi: 10.1088/1748-0221/12/09/T09006.

T. Hellert, N.-I. Baboi and L. Shi.

Higher-Order Mode-Based Cavity Misalignment Measurements at the Free-Electron Laser FLASH.

Physical review accelerators and beams, 20(12):123501, and PUBDB-2018-00305, DESY-18-006, arXiv:1801.02886.
doi: 10.1103/PhysRevAccelBeams.20.123501.

T. Hellert, W. Decking and J. Branlard.

Analysis of Multibunch Free Electron Laser Operation.

Physical review accelerators and beams, 20(9):090702, and PUBDB-2017-11209, DESY-17-069; arXiv:1710.03479.
doi: 10.1103/PhysRevAccelBeams.20.090702.

T. Hellert, M. Dohlus and W. Decking.

Efficient model for low-energy transverse beam dynamics in a nine-cell 1.3 GHz cavity.

Physical review accelerators and beams, 20(10):100702, and PUBDB-2017-11703, DESY-17-084; arXiv:1710.04862.
doi: 10.1103/PhysRevAccelBeams.20.100702.

C. Hernandez-Garcia et al.

Charge production studies from Cs₂ Te photocathodes in a normal conducting RF gun.

Nuclear instruments & methods in physics research / A, 871:97, and PUBDB-2017-13379.
doi: 10.1016/j.nima.2017.06.051.

R. G. Hobbs et al.

Mapping Photoemission and Hot-Electron Emission from Plasmonic Nanoantennas.

Nano letters, 17(10):6069, and PUBDB-2017-11179.
doi: 10.1021/acs.nanolett.7b02495.

M. Kobayashi et al.

A novel technique for the measurement of the avalanche fluctuation of gaseous detectors.

Nuclear instruments & methods in physics research / A, 845:236, and PUBDB-2017-13841.
doi: 10.1016/j.nima.2016.06.073.

T. Kozak et al.

Fast Intra Bunch Train Charge Feedback for FELs based on Photo Injector Laser Pulse Modulation.

IEEE transactions on nuclear science, 64(11):2904, and PUBDB-2017-12224.

doi: 10.1109/TNS.2017.2758023.

S. Kuehn et al.

Prototyping of hybrids and modules for the forward silicon strip tracking detector for the ATLAS Phase-II upgrade.

Journal of Instrumentation, 12(05):P05015, and PUBDB-2017-10562.

doi: 10.1088/1748-0221/12/05/P05015.

LCTPC Collaboration.

Studies on GEM modules for a Large Prototype TPC for the ILC.

Nuclear instruments & methods in physics research / A, 845:309, and PUBDB-2017-10471, DESY-16-058.

doi: 10.1016/j.nima.2016.05.011.

S. Liu, W. Decking and L. Fröhlich.

Beam loss simulations for the implementation of the Hard X-Ray Self-Seeding system at European XFEL.

8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/874/1/012022.

C. G. Maiano et al.

Validation of the superconducting 3.9 GHz cavity package for the European X-ray Free Electron Laser.

Physical review accelerators and beams, 20(4):042005, and PUBDB-2018-00489.

doi: 10.1103/PhysRevAccelBeams.20.042005.

D. Malyutin et al.

Longitudinal phase space tomography using a booster cavity at PITZ.

Nuclear instruments & methods in physics research / A, 871:105, and PUBDB-2017-13378.

doi: 10.1016/j.nima.2017.07.043.

G. G. Manahan et al.

Single-Stage Plasma-Based Correlated Energy Spread Compensation for Ultrahigh 6D Brightness Electron Beams.

Nature Communications, 8:15705, and PUBDB-2018-00438.

doi: 10.1038/ncomms15705.

A. Martinez de la Ossa et al.

Optimizing density down-ramp injection for beam-driven plasma wakefield accelerators.

Physical review accelerators and beams, 20(9):091301, and PUBDB-2017-11818.

doi: 10.1103/PhysRevAccelBeams.20.091301.

D. Marx et al.

Reconstruction of the 3D charge distribution of an electron bunch using a novel variable-polarization transverse deflecting structure (TDS).

8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/874/1/012077.

S. Y. Mironov et al.

Spatio-temporal shaping of photocathode laser pulses for linear electron accelerators.

Physics / Uspekhi, 60(10):1, and PUBDB-2017-13381.

doi: 10.3367/UFNe.2017.03.038143.

A. I. Novokshonov, A. P. Potylitsyn and G. Kube.

2D Synchrotron Radiation Interferometer for Measuring the Transverse Dimensions of an Electron Beam in a Circular Accelerator.

Russian physics journal, 60(4):685, and PUBDB-2018-00579.

doi: 10.1007/s11182-017-1124-5.

V. Paramonov et al.

Design of an L-band normally conducting RF gun cavity for high peak and average RF power.

Nuclear instruments & methods in physics research / A, 854:113, and PUBDB-2017-10399.

doi: 10.1016/j.nima.2017.02.058.

D. Pennicard et al.

Semiconductor materials for x-ray detectors.

Energy quarterly, 42(6):445, and PUBDB-2018-00324.

doi: 10.1557/mrs.2017.95.

M. Petrič et al.

Detector Simulations with DD4hep.

22nd International Conference on Computing in High Energy and Nuclear Physics, San Francisco (USA), 10 Oct 2016 - 14 Oct 2016.

IOP Publ., Bristol.

doi: 10.1088/1742-6596/898/4/042015.

S. Petrovics et al.

A novel Silicon Photomultiplier with bulk integrated quench resistors: utilization in optical detection and tracking applications for particle physics.

Nuclear instruments & methods in physics research / A, 845:150, and PUBDB-2017-14100.

doi: 10.1016/j.nima.2016.06.098.

P. Pierini et al.

Fabrication and Vertical Test Experience of the European X-ray Free Electron Laser 3.9 GHz Superconducting Cavities.

Physical review accelerators and beams, 20(4):042006, and PUBDB-2017-13474.

doi: 10.1103/PhysRevAccelBeams.20.042006.

A.-L. Poley.

Investigations into the impact of bond pads and p-stop implants on the detection efficiency of silicon microstrip sensors.

Journal of Instrumentation, 12(07):P07006, and PUBDB-2017-08777, DESY-16-218; arXiv:1611.06114.

doi: 10.1088/1748-0221/12/07/P07006.

K. Przygoda et al.

MicroTCA.4 based RF and Laser Cavities Regulation Including Piezo Controls.

IEEE transactions on nuclear science, 64(6):1389, and PUBDB-2017-06230.

doi: 10.1109/TNS.2017.2710286.

- D. Reschke et al.
Performance in the vertical test of the 832 nine-cell 1.3 GHz cavities for the European X-ray Free Electron Laser.
Physical review accelerators and beams, 20(4):042004, and PUBDB-2017-01882.
doi: 10.1103/PhysRevAccelBeams.20.042004.
- R. E. Robson, T. J. Mehrling and J. Osterhoff.
Great moments in kinetic theory: 150 years of Maxwell's (other) equations.
European journal of physics, 38(6):065103, and PUBDB-2017-11640.
doi: 10.1088/1361-6404/aa87d4.
- R. Rybaniec et al.
FPGA Based RF and Piezo Controllers for SRF Cavities in CW Mode.
IEEE transactions on nuclear science, 64(6):1382, and PUBDB-2017-06227.
doi: 10.1109/TNS.2017.2687981.
- M. Sarajlic et al.
Progress on TSV technology for Medipix3RX chip.
Journal of Instrumentation, 12(12):C12042, and PUBDB-2018-00446.
doi: 10.1088/1748-0221/12/12/C12042.
- M. Sarajlić et al.
Germanium "hexa" detector: production and testing.
01. 18th International Workshop on Radiation Imaging Detectors (IWORID2016), Barcelona (Spain), 3 Jul 2016 - 7 Jul 2016. Inst. of Physics, London.
doi: 10.1088/1748-0221/12/01/C01068.
- E. A. Schneidmiller et al.
First Operation of a Harmonic Lasing Self-Seeded Free Electron Laser.
Physical review accelerators and beams, 20(2):020705, and PUBDB-2017-01078.
doi: 10.1103/PhysRevAccelBeams.20.020705.
- L. Seiffert et al.
Attosecond chronoscopy of electron scattering in dielectric nanoparticles.
Nature physics, 13(8):766, and PUBDB-2017-10449.
doi: 10.1038/nphys4129.
- L. G. Sukhikh, G. Kube and A. P. Potylitsyn.
Simulation of transition radiation based beam imaging from tilted targets.
Physical review accelerators and beams, 20(3):032802, and PUBDB-2017-11906.
doi: 10.1103/PhysRevAccelBeams.20.032802.
- A. Sulimov and D. Kostin.
Influence of Tests Results on Serial Production of EXFEL Superconducting Cavities.
Journal of physics / Conference Series, 941:012103, and PUBDB-2018-01803.
doi: 10.1088/1742-6596/941/1/012103.
- M. Titberidze et al.
Fs level laser-to-RF synchronization at REGAE.
Journal of physics / Conference Series, 874(1):012085, and PUBDB-2017-10396.
doi: 10.1088/1742-6596/874/1/012085.
- H. L. Tran et al.
Software compensation in particle flow reconstruction.
The European physical journal / C, 77(10):698, and PUBDB-2017-14101.
doi: 10.1140/epjc/s10052-017-5298-3.
- T. Vinatier et al.
Beam Dynamics in THz Dielectric Loaded Waveguides for the AXSIS Project.
8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017. JACoW, Geneva, Switzerland.
doi: 10.18429/JACoW-IPAC2017-WEPVA008.
- T. Vinatier et al.
Beam dynamics in THz dielectric-loaded waveguides for the AXSIS project.
Journal of physics / Conference Series, 874:012042, and PUBDB-2017-10407.
doi: 10.1088/1742-6596/874/1/012042.
- P. A. Walker et al.
Horizon 2020 EuPRAXIA design study.
8th International Particle Accelerator Conference, Copenhagen (Denmark), 14 May 2017 - 19 May 2017. IOP Publ., Bristol.
doi: 10.1088/1742-6596/874/1/012029.
- M. Weikum et al.
Reconstruction of Sub-Femtosecond Longitudinal Bunch Profile Measurement Data.
Journal of physics / Conference Series, 874:012079, and PUBDB-2017-09656.
doi: 10.1088/1742-6596/874/1/012079.
- T. C. Wilson et al.
Influence of Strong Magnetic Fields on Laser Pulse Propagation in Underdense Plasma.
Plasma physics and controlled fusion, 59(6):065002, and PUBDB-2018-00576.
doi: 10.1088/1361-6587/aa6941.
- M. Xin et al.
Attosecond precision multi-kilometer laser-microwave network.
Light, 6(1):e16187, and PUBDB-2017-00547.
doi: 10.1038/lsa.2016.187.
- M. Xin et al.
Breaking the Femtosecond Barrier in Multi-km Timing Synchronization Systems.
IEEE journal of selected topics in quantum electronics, 23(3):1, and PUBDB-2017-03217.
doi: 10.1109/JSTQE.2016.2614676.
- G. Xu et al.
Determination of Hydrogen Density by Swift Heavy Ions.
Physical review letters, 119(20):204801, and PUBDB-2018-00575.
doi: 10.1103/PhysRevLett.119.204801.

J. Zemella et al.

Measurements of wake-induced electron beam deflection in a dechirper at the Linac Coherent Light Source.

Physical review accelerators and beams, 20(10):104403, and PUBDB-2017-11694, SLAC-PUB-17121; arXiv:1708.00876. doi: 10.1103/PhysRevAccelBeams.20.104403.

J. Zhu et al.

Misalignment Measurement of Femtosecond Electron Bunches with THz Repetition Rate.

Physical review accelerators and beams, 20(4):042801, and PUBDB-2017-02232. doi: 10.1103/PhysRevAccelBeams.20.042801.

Dissertationen

F. Ahr.

High energy multi-cycle terahertz generation.

Universität Hamburg, Hamburg, 2017.

E. M. Donegani.

Energy-Dependent Proton Damage in Silicon.

Universität Hamburg, Hamburg, 2017.

I. Dornmair.

Advanced Beam Dynamics and Diagnostics Concepts for Laser-Plasma Accelerators.

Universität Hamburg, Hamburg, 2017.

T. Hellert.

Intra-Bunch-Train Transverse Dynamics in the Superconducting Accelerators FLASH and European XFEL.

Universität Hamburg, Hamburg, 2017.

M. Hempel.

Development of a Novel Diamond Based Detector for Machine Induced Background and Luminosity Measurements.

Brandenburg University of Technology Cottbus-Senftenberg, Hamburg, 2017.

W. R. Huang.

All-Optical Electron Acceleration with Ultrafast THz Pulses.

Massachusetts Institute of Technology, 2017.

O. Karacheban.

Luminosity measurement at CMS.

Brandenburg University of Technology Cottbus-Senftenberg, 2017.

I. Kopsalis.

Surface Effects in Segmented Silicon Sensors.

Universität Hamburg, Hamburg, 2017.

T. Lamb.

Laser-to-RF Phase Detection with Femtosecond Precision for Remote Reference Phase Stabilization in Particle Accelerators.

Technische Universität Hamburg Harburg, Hamburg, 2017.

R. Peschke.

Characterisation of the ATLAS ITK Strips Front-End Chip and Development of EUDAQ 2.0 for the EUDET-Style Pixel Telescopes.

Universität Hamburg, Hamburg, 2017.

K. Shafak.

Large-scale laser-microwave synchronization for attosecond photon science facilities.

Universität Hamburg, Hamburg, 2017.

M. Titberidze.

Pilot Study of Synchronization on a Femtosecond Scale between the Electron Gun REGAE and a Laser-Plasma Accelerator.

Universität Hamburg, Hamburg, 2017.

E. Yildirim.

Collected Charge and Lorentz Angle Measurement on Non-irradiated and Irradiated ATLAS Silicon Micro-Strip Sensors for the HL-LHC.

Universität Hamburg, Hamburg, 2017.

J. Zhu.

Design Study for Generating Sub-femtosecond to Femtosecond Electron Bunches for Advanced Accelerator Development at SINBAD.

University of Hamburg, 2017.

M. Zvolisky.

Simulation, Image Reconstruction and SiPM Characterisation for a Novel Endoscopic Positron Emission Tomography Detector.

Universität Hamburg, Hamburg, 2017.

4 | POF3-890 - Ohne Topic

Dissertationen

S. Dey.

Modulated phases in organic molecular crystals.

University of Bayreuth, Bayreuth, 2017.