

Veröffentlichungen am DESY 2014

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1 | POF2-510 - Hochenergiephysik

A. Abdel-Rehim u. a.

Disconnected quark loop contributions to nucleon observables in lattice QCD.

Physical review / D, 89(3):034501, and PUBDB-2014-03842, arXiv:1310.6339.

doi: 10.1103/PhysRevD.89.034501.

J. Ablinger, J. Blümlein und C. Schneider.

Generalized Harmonic, Cyclotomic, and Binomial Sums, their Polylogarithms and Special Numbers.

Journal of physics / Conference Series, 523(conf 1):012060, and DESY-2014-00250, arXiv:1310.5645; DESY-13-189; DO-TH-13-28; SFB-CPP-13-78; LPN13-077.

doi: 10.1088/1742-6596/523/1/012060.

J. Ablinger u. a.

Calculating massive 3-loop graphs for operator matrix elements by the method of hyperlogarithms.

Nuclear physics / B, 885:409, and PUBDB-2014-03832, DESY-13-063; DO-TH-14-02; SFB-CPP-14-12; LPN-14-046; HIGGSTOOLS –14-005; arXiv:1403.1137.

doi: 10.1016/j.nuclphysb.2014.04.007.

J. Ablinger u. a.

Iterated Binomial Sums and their Associated Iterated Integrals.

Journal of mathematical physics, 55(11):112301, and PUBDB-2015-01108.

doi: 10.1063/1.4900836.

J. Ablinger u. a.

**The 3-loop non-singlet heavy flavor contributions and anomalous dimensions for the structure function $F_2(x, Q^2)$ and trans-
versity.**

Nuclear physics / B, 886:733, and PUBDB-2014-04119.

doi: 10.1016/j.nuclphysb.2014.07.010.

J. Ablinger u. a.

The transition matrix element of the variable flavor number scheme at.

Nuclear physics / B, 882:263, and DESY-2014-02437.

doi: 10.1016/j.nuclphysb.2014.02.007.

A. Akhundov u. a.

The ZFITTER project.

Physics of particles and nuclei, 45(3):529, and DESY-2014-03039, arXiv:1302.1395.

doi: 10.1134/S1063779614030022.

S. Alekhin, J. Blümlein und S. Moch.

The ABM parton distributions tuned to LHC data.

Physical review / D, 89(5):054028, and PUBDB-2014-04260, DESY-13-183; DO-TH-13-26; SFB-CPP-13-71; LPN-13-068;

arXiv:1310.3059.

doi: 10.1103/PhysRevD.89.054028.

S. Alekhin, J. Blümlein und S.-O. Moch.

Statistical Issues in the Parton Distribution Analysis of the Tevatron Jet Data.

Journal of high energy physics, 2014(2):41, and DESY-2014-02387, DO-TH 12/34; LPN12-118; SFB/CPP-12-79.

doi: 10.1007/JHEP02(2014)041.

S. Alekhin u. a.

Nucleon PDF separation with the collider and fixed-target data.

37th International Conference on High Energy Physics, Valencia (Spain), 07/02/2014 - 07/09/2014.

Elsevier, Amsterdam, Juli 2014.

C. Alexandrou u. a.

A stochastic method for computing hadronic matrix elements.

The European physical journal / C, 74(1):2692, and DESY-2014-02959.

doi: 10.1140/epjc/s10052-013-2692-3.

C. Alexandrou u. a.

Baryon spectrum with $N_f = 2 + 1 + 1$ twisted mass fermions.

Physical review / D, 90(7):074501, and PUBDB-2015-00870, DESY-14-096, arXiv:1406.4310.

doi: 10.1103/PhysRevD.90.074501.

C. Alexandrou u. a.

Evaluation of disconnected quark loops for hadron structure using GPUs.

Computer physics communications, 185(5):1370, and PUBDB-2014-03851, arXiv:1309.2256.

doi: 10.1016/j.cpc.2014.01.009.

A. Ali, A. Y. Parkhomenko und A. V. Rusov.

Precise calculation of the dilepton invariant-mass spectrum and the decay rate in $B^\pm \rightarrow \pi^\pm \mu^+ \mu^-$ in the SM.

Physical review / D, 89(9):094021, and DESY-2014-02907, DESY-13-153.

doi: 10.1103/PhysRevD.89.094021.

S. Alioli u. a.

Matching fully differential NNLO calculations and parton showers.

Journal of high energy physics, 2014(6):89, and DESY-2014-02910, DESY-13-194.

doi: 10.1007/JHEP06(2014)089.

- S. Alioli u. a.
Update of the Binoth Les Houches Accord for a standard interface between Monte Carlo tools and one-loop programs.
Computer physics communications, 185(2):560, and DESY-2014-00182.
 doi: 10.1016/j.cpc.2013.10.020.
- S. de Alwis u. a.
Moduli spaces in AdS₄ supergravity.
Journal of high energy physics, 2014(5):102, and DESY-2014-02913, DESY-13-252.
 doi: 10.1007/JHEP05(2014)102.
- S. Aoki u. a.
Review of lattice results concerning low-energy particle physics.
The European physical journal / C, 74(9):2890, and PUBDB-2014-04108, arXiv:1310.8555.
 doi: 10.1140/epjc/s10052-014-2890-7.
- S. Argyropoulos und T. Sjöstrand.
Effects of color reconnection on $t\bar{t}$ final states at the LHC.
Journal of high energy physics, 1411(11):43, and PUBDB-2014-04436, LU-TP-14-23; DESY-14-134; MCNET-14-15; arXiv:1407.6653.
 doi: 10.1007/JHEP11(2014)043.
- C. Arina, V. Martín-Lozano und G. Nardini.
Dark matter versus $h \rightarrow \gamma\gamma$ and $h \rightarrow \gamma Z$ with supersymmetric triplets.
Journal of high energy physics, 2014(8):15, and PUBDB-2014-03891, DESY 14-039.
 doi: 10.1007/JHEP08(2014)015.
- E. Armengaud u. a.
Conceptual design of the International Axion Observatory (IAXO).
Journal of Instrumentation, 9(05):T05002, and DESY-2014-02782.
 doi: 10.1088/1748-0221/9/05/T05002.
- H. M. Asatrian und C. Greub.
Next-to-leading logarithmic QCD contribution of the electromagnetic dipole operator to $\bar{B} \rightarrow X_s \gamma\gamma$ with a massive strange quark.
Physical review / D, 89(9):094028, and DESY-2014-03005, DESY-14-034.
 doi: 10.1103/PhysRevD.89.094028.
- ATLAS Collaboration.
A Measurement of the Ratio of the Production Cross Sections for W and Z Bosons in Association with Jets with the ATLAS Detector.
The European physical journal / C, 74(12):3168, and PUBDB-2015-01045, CERN-PH-EP-2014-200; arXiv:1408.6510.
 doi: 10.1140/epjc/s10052-014-3168-9.
- ATLAS Collaboration.
A neural network clustering algorithm for the ATLAS silicon pixel detector.
Journal of Instrumentation, 9(09):P09009, and PUBDB-2014-03623, CERN-PH-EP-2014-120; arXiv:1406.7690.
 doi: 10.1088/1748-0221/9/09/P09009.
- ATLAS Collaboration.
A study of heavy flavor quarks produced in association with top quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector.
Physical review / D, 89:072012, and DESY-2014-02661, CERN-PH-EP-2013-030; arXiv:1304.6386.
 doi: 10.1103/PhysRevD.89.072012.
- ATLAS Collaboration.
Comprehensive measurements of t-channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector.
Physical review / D, 90(11):112006, and PUBDB-2014-04561, CERN-PH-EP-2014-133; arXiv:1406.7844.
 doi: 10.1103/PhysRevD.90.112006.
- ATLAS Collaboration.
Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data.
The European physical journal / C, 74(10):3071, and PUBDB-2014-03805, CERN-PH-EP-2014-153; arXiv:1407.5063.
 doi: 10.1140/epjc/s10052-014-3071-4.
- ATLAS Collaboration.
Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data.
The European physical journal / C, 74(7):2941, and DESY-2014-03161, CERN-PH-EP-2014-040; arXiv:1404.2240.
 doi: 10.1140/epjc/s10052-014-2941-0.
- ATLAS Collaboration.
Erratum: Search for new Phenomena in Final States with large Jet Multiplicities and missing Transverse momentum at $\sqrt{s} = 8$ TeV Proton-Proton Collisions using the ATLAS Experiment.
Journal of high energy physics, 2014(1):109, and PUBDB-2015-01106, arXiv:1308.1841; CERN-PH-EP-2013-110.
 doi: 10.1007/JHEP01(2014)109.
- ATLAS Collaboration.
Evidence for Electroweak Production of $W^\pm W^\pm jj$ in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector.
Physical review letters, 113:141803, and PUBDB-2014-03724, CERN-PH-EP-2014-079; arXiv:1405.6241.
 doi: 10.1103/PhysRevLett.113.141803.
- ATLAS Collaboration.
Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.
Physics letters / B, 738:234, and PUBDB-2014-03725, CERN-PH-EP-2014-186; arXiv:1408.3226.
 doi: 10.1016/j.physletb.2014.09.054.
- ATLAS Collaboration.
Flavour tagged time dependent angular analysis of the $B_s \rightarrow J/\psi \phi$ decay and extraction of $\Delta\Gamma_s$ and the weak phase ϕ_s in ATLAS.
Physical review / D, 90(5):052007, and PUBDB-2014-03707, CERN-PH-EP-2014-43; arXiv:1407.1796.
 doi: 10.1103/PhysRevD.90.052007.

ATLAS Collaboration.

Jet Energy Measurement and its Systematic Uncertainty in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *The European physical journal / C*, 75(1):17, and PUBDB-2015-00862, CERN-PH-EP-2013-222; arXiv:1406.0076. doi: 10.1140/epjc/s10052-014-3190-y.

ATLAS Collaboration.

Light-Quark and Gluon Jet Discrimination in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *The European physical journal / C*, 74(8):3023, and PUBDB-2015-01058, CERN-PH-EP-2014-058; arXiv:1405.6583. doi: 10.1140/epjc/s10052-014-3023-z.

ATLAS Collaboration.

Measurement of χ_{c1} and χ_{c2} production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. *Journal of high energy physics*, 2014(7):154, and DESY-2014-03160, CERN-PH-EP-2013-202; arXiv:1404.7035. doi: 10.1007/JHEP07(2014)154.

ATLAS Collaboration.

Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. *Journal of high energy physics*, 10:141, and PUBDB-2014-04114, CERN-PH-EP-2014-118; arXiv:1407.3643. doi: 10.1007/JHEP10(2014)141.

ATLAS Collaboration.

Measurement of dijet cross sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. *Journal of high energy physics*, 2014(5):59, and DESY-2014-02927, CERN-PH-EP-2013-192; arXiv:1312.3524. doi: 10.1007/JHEP05(2014)059.

ATLAS Collaboration.

Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *The European physical journal / C*, 74(12):3195, and PUBDB-2014-04584, CERN-PH-EP-2014-162; arXiv:1409.3433. doi: 10.1140/epjc/s10052-014-3195-6.

ATLAS Collaboration.

Measurement of event-plane correlations in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector. *Physical review / C*, 90:024905, and PUBDB-2014-03510, CERN-PH-EP-2014-021. doi: 10.1103/PhysRevC.90.024905.

ATLAS Collaboration.

Measurement of Flow Harmonics with Multi-Particle Cumulants in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. *The European physical journal / C*, 74(11):3157, and PUBDB-2015-01036, CERN-PH-EP-2014-171; arXiv:1408.4342. doi: 10.1140/epjc/s10052-014-3157-z.

ATLAS Collaboration.

Measurement of Four-Lepton Production at the Z Resonance in pp Collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS.

Physical review letters, 112(23):231806, and DESY-2014-02895, CERN-PH-EP-2014-047; arXiv:1403.5657. doi: 10.1103/PhysRevLett.112.231806.

ATLAS Collaboration.

Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. *Physical review / D*, 90(11):112015, and PUBDB-2015-00219, CERN-PH-EP-2014-198; arXiv:1408.7084. doi: 10.1103/PhysRevD.90.112015.

ATLAS Collaboration.

Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Physics letters / B*, 739:320, and PUBDB-2014-04093, CERN-PH-EP-2014-101; arXiv:1406.2979. doi: 10.1016/j.physletb.2014.10.065.

ATLAS Collaboration.

Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{NN}} = 5.02$ TeV proton-lead collisions with the ATLAS detector. *Physical review / C*, 90:044906, and DESY-2014-03770, CERN-PH-EP-2014-201; arXiv:1409.1792. doi: 10.1103/PhysRevC.90.044906.

ATLAS Collaboration.

Measurement of the Centrality and Pseudorapidity Dependence of the Integrated Elliptic Flow in lead-lead Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *The European physical journal / C*, 74(8):2982, and PUBDB-2015-01038, CERN-PH-EP-2014-065; arXiv:1405.3936. doi: 10.1140/epjc/s10052-014-2982-4.

ATLAS Collaboration.

Measurement of the cross section of high transverse momentum $Z \rightarrow b\bar{b}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. *Physics letters / B*, 738:25, and PUBDB-2014-03644, CERN-PH-EP-2014-064; arXiv:1404.7042. doi: 10.1016/j.physletb.2014.09.020.

ATLAS Collaboration.

Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *New journal of physics*, 16(11):113013, and PUBDB-2014-04122, CERN-PH-EP-2014-123; arXiv:1407.0800. doi: 10.1088/1367-2630/16/11/113013.

ATLAS Collaboration.

Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Journal of high energy physics*, 04:42, and DESY-2014-02591, CERN-PH-EP-2013-227. doi: 10.1007/JHEP04(2014)031.

ATLAS Collaboration.

Measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ channels with the ATLAS detector using 25 fb⁻¹ of pp collision data.

Physical review / D, 90(5):052004, and PUBDB-2014-03509, CERN-PH-EP-2014-122.

doi: 10.1103/PhysRevD.90.052004.

ATLAS Collaboration.

Measurement of the inclusive isolated prompt photons cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector using 4.6fb-1.

Physical review / D, 89(5):052004, and PUBDB-2015-01212, arXiv:1311.1440; CERN-PH-EP-2013-164.

doi: 10.1103/PhysRevD.89.052004.

ATLAS Collaboration.

Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector.

Journal of high energy physics, 2014(6):112, and DESY-2014-02928, CERN-PH-EP-2014-020; arXiv:1404.1212.

doi: 10.1007/JHEP06(2014)112.

ATLAS Collaboration.

Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.

Physics letters / B, 728:363, and DESY-2014-00169, CERN-PH-EP-2013-171.

doi: 10.1016/j.physletb.2013.12.010.

ATLAS Collaboration.

Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data.

The European physical journal / C, 74(11):3130, and PUBDB-2014-04482, CERN-PH-EP-2014-151; arXiv:1407.3935.

doi: 10.1140/epjc/s10052-014-3130-x.

ATLAS Collaboration.

Measurement of the parity-violating asymmetry parameter α_b and the helicity amplitudes for the decay $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ with the ATLAS detector.

Physical review / D, 89:092009, and DESY-2014-02877, CERN-PH-EP-2014-034; arXiv:1404.1071.

doi: 10.1103/PhysRevD.89.092009.

ATLAS Collaboration.

Measurement of the Production and Lepton charge asymmetry of W Bosons in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector.

The European physical journal / C, 75(1):23, and PUBDB-2015-01026, CERN-PH-EP-2014-156; arXiv:1408.4674.

doi: 10.1140/epjc/s10052-014-3231-6.

ATLAS Collaboration.

Measurement of the production cross section of prompt J/ψ mesons in association with a $W^\pm$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(4):172, and DESY-2014-02675, CERN-PH-EP-2013-184; arXiv:1401.2831.

doi: 10.1007/JHEP04(2014)172.

ATLAS Collaboration.

Measurement of the production cross-section of $\psi(2S) \rightarrow J/\psi(\rightarrow \mu^+ \mu^-) \pi^+ \pi^-$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS.

Journal of high energy physics, 2014(9):79, and PUBDB-2014-03645, CERN-PH-EP-2014-095; arXiv:1407.5532.

doi: 10.1007/JHEP09(2014)079.

ATLAS Collaboration.

Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(5):68, and DESY-2014-02875, CERN-PH-EP-2014-007; arXiv:1402.6263.

doi: 10.1007/JHEP05(2014)068.

ATLAS Collaboration.

Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.

Journal of high energy physics, 1402(2):107, and DESY-2014-02308, arXiv:1311.6724.

doi: 10.1007/JHEP02(2014)107.

ATLAS Collaboration.

Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.

Nuclear physics / B, B889:486, and PUBDB-2014-04116, CERN-PH-EP-2014-177; arXiv:1408.5778.

doi: 10.1016/j.nuclphysb.2014.10.019.

ATLAS Collaboration.

Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector.

The European physical journal / C, 74(10):3109, and PUBDB-2015-01047, CERN-EP-2014-124; arXiv:1406.5375.

doi: 10.1140/epjc/s10052-014-3109-7.

ATLAS Collaboration.

Measurement of the Underlying Event in Jet Events from 7 TeV Proton-Proton Collisions with the ATLAS Detector.

The European physical journal / C, 74(8):2965, and PUBDB-2015-01057, CERN-PH-EP-2014-077; arXiv:1406.0392.

doi: 10.1140/epjc/s10052-014-2965-5.

ATLAS Collaboration.

Measurement of the WW+WZ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 2015(1):49, and PUBDB-2015-01027, CERN-PH-EP-2014-244; arXiv:1410.7238.

doi: 10.1007/JHEP01(2015)049.

ATLAS Collaboration.

Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(9):145, and PUBDB-2014-03723, CERN-PH-EP-2014-075; arXiv:1406.3660.

doi: 10.1007/JHEP09(2014)145.

ATLAS Collaboration.

Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS.

Journal of high energy physics, 2014(9):112, and DESY-2014-03771, CERN-PH-EP-2014-148; arXiv:1407.4222.
doi: 10.1007/JHEP09(2014)112.

ATLAS Collaboration.

Measurements of Higgs Boson Production and Couplings in the Four-Lepton Channel in pp Collisions at Center-of-Mass Energies of 7 and 8 TeV with the ATLAS Detector.

Physical review / D, 91(1):012006, and PUBDB-2015-00863, CERN-PH-EP-2014-170; arXiv:1408.5191.
doi: 10.1103/PhysRevD.91.012006.

ATLAS Collaboration.

Measurements of jet vetoes and azimuthal decorrelations in di-jet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.

The European physical journal / C, 74:3117, and PUBDB-2014-04117, CERN-PH-EP-2014-132; arXiv:1407.5756.
doi: DOI 10.1140/epjc/s10052-014-3117-7.

ATLAS Collaboration.

Measurements of normalized differential cross-sections for $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.

Physical review / D, 90(7):072004, and PUBDB-2014-03800, CERN-PH-EP-2014-099; arXiv:1407.0371.
doi: 10.1103/PhysRevD.90.072004.

ATLAS Collaboration.

Measurements of spin correlation in top-antitop quark events from proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.

Physical review / D, 90(11):112016, and PUBDB-2015-00098, CERN-PH-EP-2014-116; arXiv:1407.4314.
doi: 10.1103/PhysRevD.90.112016.

ATLAS Collaboration.

Monitoring and data quality assessment of the ATLAS liquid argon calorimeter.

Journal of Instrumentation, 9:P07024, and DESY-2014-03155, CERN-PH-EP-2014-045; arXiv:1405.3768.
doi: 10.1088/1748-0221/9/07/P07024.

ATLAS Collaboration.

Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010.

The European physical journal / C, 74:3034, and PUBDB-2014-03757, CERN-PH-EP-2013-154; arXiv:1404.4562.
doi: 10.1140/epjc/s10052-014-3034-9.

ATLAS Collaboration.

Observation of an Excited $B_c^\pm$ Meson State with the ATLAS Detector.

Physical review letters, 113(21):212004, and PUBDB-2014-04438, CERN-PH-EP-2017; arXiv:1407.1032.
doi: 10.1103/PhysRevLett.113.212004.

ATLAS Collaboration.

Operation and performance of the ATLAS semiconductor tracker.

Journal of Instrumentation, 9(08):P08009, and DESY-2014-03258, arXiv: 1404.7473; CERN-PH-EP-2014-049.
doi: 10.1088/1748-0221/9/08/P08009.

ATLAS Collaboration.

Search for a Multi-Higgs Boson Cascade in $W^+W^-b\bar{b}$ events with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 89(3):032002, and DESY-2014-02280.
doi: 10.1103/PhysRevD.89.032002.

ATLAS Collaboration.

Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

The European physical journal / C, 74(12):3134, and PUBDB-2014-04585, CERN-PH-EP-2014-135; arXiv:1407.2410.
doi: 10.1140/epjc/s10052-014-3134-6.

ATLAS Collaboration.

Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review letters, 112(4):041802, and DESY-2014-01856.
doi: 10.1103/PhysRevLett.112.041802.

ATLAS Collaboration.

Search for dark matter in events with a Z boson and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review / D, 90(1):012004, and DESY-2014-03162, CERN-PH-EP-2013-231; arXiv:1404.0051.
doi: 10.1103/PhysRevD.90.012004.

ATLAS Collaboration.

Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(9):15, and PUBDB-2014-03499, CERN-PH-EP-2014-112.
doi: 10.1007/JHEP09(2014)015.

ATLAS Collaboration.

Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector.

Journal of high energy physics, 2014(4):169, and DESY-2014-02679, CERN-PH-EP-2014-019; arXiv:1402.7029.
doi: 10.1007/JHEP04(2014)169.

ATLAS Collaboration.

Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 2014:71, and DESY-2014-02897, CERN-PH-EP-2014-037; arXiv:1403.5294.
doi: 10.1007/JHEP05(2014)071.

ATLAS Collaboration.

Search for direct top squark pair production in events with a Z boson, b -jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector.

The European physical journal / C, 74(6):2883, and DESY-2014-03156, CERN-PH-EP-2014-035; arXiv:1403.5222.
doi: 10.1140/epjc/s10052-014-2883-6.

ATLAS Collaboration.

Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(6):124, and DESY-2014-02926, CERN-PH-EP-2014-014; arXiv:1403.4853.
doi: 10.1007/JHEP06(2014)124.

ATLAS Collaboration.

Search for $H \rightarrow \gamma\gamma$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector.

Physics letters / B, 740:222, and PUBDB-2014-04507, CERN-PH-EP-2014-179; arXiv:1409.3122.
doi: 10.1016/j.physletb.2014.11.049.

ATLAS Collaboration.

Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector.

Physics letters / B, 732:8, and DESY-2014-02429, CERN-PH-EP-2014-006.
doi: 10.1016/j.physletb.2014.03.015.

ATLAS Collaboration.

Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review / D, 90:052005, and PUBDB-2014-03643, CERN-PH-EP-2014-053; arXiv:1405.4123.
doi: 10.1103/PhysRevD.90.052005.

ATLAS Collaboration.

Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS.

Physical review letters, 112(20):201802, and DESY-2014-02876, CERN-PH-EP-2013-210; arXiv:1402.3244.
doi: 10.1103/PhysRevLett.112.201802.

ATLAS Collaboration.

Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 1411(11):88, and PUBDB-2014-04432, CERN-PH-EP-2014-209; arXiv:1409.0746.
doi: 10.1007/JHEP11(2014)088.

ATLAS Collaboration.

Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014(8):103, and DESY-2014-03247, CERN-PH-EP-2014-072; arXiv:1405.4254.
doi: 10.1007/JHEP08(2014)103.

ATLAS Collaboration.

Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(11):56, and PUBDB-2014-04098, CERN-PH-EP-2014-210; arXiv:1409.6064.
doi: 10.1007/JHEP11(2014)056.

ATLAS Collaboration.

Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(9):37, and PUBDB-2014-03507, CERN-PH-EP-2014-093.
doi: 10.1007/JHEP09(2014)037.

ATLAS Collaboration.

Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review / D, 91(1):012008, and PUBDB-2015-01054, CERN-PH-EP-2014-245; arXiv:1411.1559.
doi: 10.1103/PhysRevD.91.012008.

ATLAS Collaboration.

Search for new resonances in $W\gamma$ and $Z\gamma$ Final States in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector.

Physics letters / B, 738:428, and PUBDB-2014-03876, CERN-PH-EP-2014-159; arXiv:1407.8150.
doi: 10.1016/j.physletb.2014.10.002.

ATLAS Collaboration.

Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector.

Physical review / D, 90(11):112005, and PUBDB-2014-04509, CERN-PH-EP-2014-215; arXiv:1409.5542.
doi: 10.1103/PhysRevD.90.112005.

ATLAS Collaboration.

Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Journal of high energy physics, 2014(11):104, and PUBDB-2014-04488, CERN-PH-EP-2014-188; arXiv:1409.5500.
doi: 10.1007/JHEP11(2014)104.

ATLAS Collaboration.

Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review / D, 90(5):052008, and PUBDB-2014-03665, CERN-PH-EP-2014-141; arXiv:1407.0608.
doi: 10.1103/PhysRevD.90.052008.

ATLAS Collaboration.

Search for Quantum Black-Hole Production in High-Invariant-Mass Lepton + Jet Final States Using pp Collisions at $\sqrt{s} = 8$ TeV and the ATLAS Detector.

Physical review letters, 112:091804, and DESY-2014-02321, CERN-PH-EP-2013-193.
doi: 10.1103/PhysRevLett.112.091804.

ATLAS Collaboration.

Search for Scalar Diphoton Resonances in the Mass Range 65 – 600 GeV with the ATLAS Detector in pp Collision Data at $\sqrt{s} = 8$ TeV.

Physical review letters, 113:171801, and PUBDB-2014-03831, CERN-PH-EP-2014-142; arXiv:1407.6583.
doi: 10.1103/PhysRevLett.113.171801.

ATLAS Collaboration.

Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton–proton collision data.

Journal of high energy physics, 2014:176, and PUBDB-2014-03753, CERN-PH-EP-2014-093; arXiv:1405.7875.
doi: 10.1007/JHEP09(2014)176.

ATLAS Collaboration.

Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b -jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector.

Journal of high energy physics, 2014(10):24, and PUBDB-2014-03764, CERN-PH-EP-2014-110; arXiv:1407.0600.
doi: 10.1007/JHEP10(2014)024.

ATLAS Collaboration.

Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector.

Journal of high energy physics, 2014(6):35, and DESY-2014-02894, CERN-PH-EP-2014-044; arXiv:1404.2500.
doi: 10.1007/JHEP06(2014)035.

ATLAS Collaboration.

Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector.

Physical review / D, 90(5):052001, and DESY-2014-03331, CERN-PH-EP-2014-074; arXiv:1405.5086.
doi: 10.1103/PhysRevD.90.052001.

ATLAS Collaboration.

Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb⁻¹ of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector.

Journal of high energy physics, 2014(9):103, and PUBDB-2014-03763, CERN-PH-EP-2014-144; arXiv:1407.0603.
doi: 10.1007/JHEP09(2014)103.

ATLAS Collaboration.

Search for the $b\bar{b}$ Decay of the Standard Model Higgs Boson in Associated (W/Z) H Production with the ATLAS Detector.

Journal of high energy physics, 01:069, and PUBDB-2015-00979, CERN-PH-EP-2014-214; arXiv:1409.6212.
doi: 10.1007/JHEP01(2015)069.

ATLAS Collaboration.

Search for the lepton flavor violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physical review / D, 90(7):072010, and PUBDB-2014-03875, CERN-PH-EP-2014-195; arXiv:1408.5774.
doi: 10.1103/PhysRevD.90.072010.

ATLAS Collaboration.

Search for the Standard Model Higgs boson decay to $\mu^+\mu^-$ with the ATLAS detector.

Physics letters / B, 738:68, and PUBDB-2014-03722, CERN-PH-EP-2014-131; arXiv:1406.7663.
doi: 10.1016/j.physletb.2014.09.008.

ATLAS Collaboration.

Search for the X_b and other hidden-beauty states in the $\pi^+\pi^-\Upsilon(1S)$ channel at ATLAS.

Physics letters / B, 740:199, and PUBDB-2014-04504, CERN-PH-EP-2014-230; arXiv:1410.4409.
doi: 10.1016/j.physletb.2014.11.055.

ATLAS Collaboration.

Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \gamma\gamma$ using the ATLAS detector.

Journal of high energy physics, 2014(6):8, and DESY-2014-02896, CERN-PH-EP-2014-036; arXiv:1403.6293.
doi: 10.1007/JHEP06(2014)008.

ATLAS Collaboration.

Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector.

Journal of high energy physics, 11(11):118, and PUBDB-2014-04492, CERN-PH-EP-2014-143; arXiv:1407.0583.
doi: 10.1007/JHEP11(2014)118.

ATLAS Collaboration.

Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

Physics letters / B, 737:223, and DESY-2014-03294, CERN-PH-EP-2014-094; arXiv:1406.4456.
doi: 10.1016/j.physletb.2014.08.039.

ATLAS Collaboration.

Searches for Heavy Long-Lived Charged Particles with the ATLAS Detector in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2015(1):68, and PUBDB-2015-00980, CERN-PH-EP-2014-252; arXiv:1411.6795.
doi: 10.1007/JHEP01(2015)068.

ATLAS Collaboration.

Standalone vertex finding in the ATLAS muon spectrometer.

Journal of Instrumentation, 9(02):P02001, and DESY-2014-01850.
doi: 10.1088/1748-0221/9/02/P02001.

ATLAS Collaboration.

The differential production cross section of the ϕ (1020) meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector.

The European physical journal / C, 74(7):2895, and DESY-2014-03158, CERN-PH-EP-2012-269; arXiv:1402.6162.
doi: 10.1140/epjc/s10052-014-2895-2.

ATLAS collaboration.

Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector.

- Journal of high energy physics*, 10:096, and PUBDB-2014-03877, CERN-PH-EP-2014-121; arXiv:1407.0350.
doi: 10.1007/JHEP10(2014)096.
- R. Mankel.
Higgs searches beyond the Standard Model.
International journal of modern physics / A, 29(24):1430057, and PUBDB-2014-03765.
doi: 10.1142/S0217751X14300579.
- I. Bah, M. Gabella und N. Halmagyi.
BPS M5-Branes as Defects for the 3d-3d Correspondence.
Journal of high energy physics, 2014(11):112, and PUBDB-2015-01082, arXiv:1407.0403.
doi: 10.1007/JHEP11(2014)112.
- I. Bah, M. Gabella und N. Halmagyi.
Punctures from Probe M5-Branes and $\mathcal{N} = 1$ Superconformal Field Theories.
Journal of high energy physics, 2014(7):131, and PUBDB-2015-01084, arXiv:1312.6687.
doi: 10.1007/JHEP07(2014)131.
- M. Baker u. a.
Hyperfine splitting in positronium to $O(\alpha^7 m_e)$: one-photon annihilation contribution.
Physical review letters, 112(12):120407, and DESY-2014-03324, DESY 14-011; ALBERTA-THY-03-14; HIGGSTOOLS-14-04; LPN14-045; SFB-CPP-14-08; TTK-14-06; TTP14-005; TUM-HEP-930-14; arXiv:1402.0876.
doi: 10.1103/PhysRevLett.112.120407.
- L. Bao u. a.
Non-Lagrangian theories from brane junctions.
Journal of high energy physics, 2014(1):175, and DESY-2014-02298, DESY-13-176; HU-Mathematik-17-13; HU-EP-13/50; KIAS-P13058; RIKEN-MP-78; arXiv:1310.3841.
doi: 10.1007/JHEP01(2014)175.
- T. Bargheer, J. A. Minahan und R. Pereira.
Computing three-point functions for short operators.
Journal of high energy physics, 2014(3):96, and DESY-2014-02619, DESY-13-201.
doi: 10.1007/JHEP03(2014)096.
- J. Bartels, V. Schomerus und M. Sprenger.
Heptagon amplitude in the multi-Regge regime.
Journal of high energy physics, 2014(10):67, and PUBDB-2014-04099.
doi: 10.1007/JHEP10(2014)067.
- R. Bates u. a.
A Custom Online Ultrasonic Gas Mixture Analyzer With Simultaneous Flowmetry, Developed for the Upgraded Evaporative Cooling System of the ATLAS Silicon Tracker.
IEEE transactions on nuclear science, 61(4):2059, and PUBDB-2015-01075.
doi: 10.1109/TNS.2014.2326961.
- P. Bechtle u. a.
HiggsBounds-4: improved tests of extended Higgs sectors against exclusion bounds from LEP, the Tevatron and the LHC.
The European physical journal / C, 74(3):2693, and DESY-2014-02396, DESY-13-110.
doi: 10.1140/epjc/s10052-013-2693-2.
- P. Bechtle u. a.
HiggsSignals: Confronting arbitrary Higgs sectors with measurements at the Tevatron and the LHC.
The European physical journal / C, 74(2):2711, and DESY-2014-02292, DESY-13-078.
doi: 10.1140/epjc/s10052-013-2711-4.
- P. Bechtle u. a.
Probing the Standard Model with Higgs signal rates from the Tevatron, the LHC and a future ILC.
Journal of high energy physics, 2014(11):39, and PUBDB-2014-04086.
doi: 10.1007/JHEP11(2014)039.
- M. Beckmann u. a.
Spin Transport and Polarimetry in the Beam Delivery System of the International Linear Collider.
Journal of Instrumentation, 9(07):P07003, and DESY-2014-03218, DESY 14-071.
doi: 10.1088/1748-0221/9/07/P07003.
- A. Behring u. a.
The logarithmic contributions to the $O(\alpha_s^3)$ asymptotic massive Wilson coefficients and operator matrix elements in deeply inelastic scattering.
The European physical journal / C, 74(9):3033, and PUBDB-2014-04121, arxiv:1403.6356.
doi: 10.1140/epjc/s10052-014-3033-x.
- Belle Collaboration.
Evidence for semileptonic $B^- \rightarrow p\bar{p}l^-\bar{\nu}_l$ decays.
Physical review / D, 89(1):011101, and DESY-2014-01707, Belle preprint 2013-10.
doi: 10.1103/PhysRevD.89.011101.
- Belle Collaboration.
Evidence of $\Upsilon(1S) \rightarrow J/\psi + \chi_{c1}$ and search for double-charmonium production in $\Upsilon(1S)$ and $\Upsilon(2S)$ decays.
Physical review / D, 90(11):112008, and PUBDB-2014-04711, Belle Preprint 2014-14; arXiv:1409.7644.
doi: 10.1103/PhysRevD.90.112008.
- Belle Collaboration.
Measurement of Branching Fractions and CP Violation Parameters in $B \rightarrow wK$ Decays with First Evidence of CP Violation in $B^0 \rightarrow wK_S^0$.
Physical review / D, 90:012002, and DESY-2014-03098, Belle Preprint 2013-28; arXiv:1311.6666.
doi: 10.1103/PhysRevD.90.012002.
- Belle Collaboration.
Measurement of D^0 - $\bar{D}^0$ Mixing and Search for Indirect CP Violation Using $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ Decays.
Physical review / D, 89:091103, and DESY-2014-02872, BELLE-PREPRINT-2014-6; arXiv:1404.2412.
doi: 10.1103/PhysRevD.89.091103.
- Belle Collaboration.
Measurement of the Branching Fraction $B(\Lambda_c^+ \rightarrow pK^-\pi^+)$.
Physical review letters, 113:042002, and DESY-2014-03097, Belle Preprint 2013-30; arXiv:1312.7826.
doi: 10.1103/PhysRevLett.113.042002.

Belle Collaboration.

Measurement of the τ -lepton lifetime at Belle.

Physical review letters, 112(3):031801, and PUBDB-2014-04578, Belle preprint 2013-26; arXiv:1310.8503.
doi: 10.1103/PhysRevLett.112.031801.

Belle Collaboration.

Measurement of Time-Dependent CP Violation in $B^0 \rightarrow \eta' K^0$ Decays.

Journal of high energy physics, 10:165, and PUBDB-2014-04067, BELLE-PREPRINT-2014-10; arXiv:1408.5991.
doi: 10.1007/JHEP10(2014)165.

Belle Collaboration.

Measurements of Branching Fractions of τ Lepton Decays with one or more K_S^0 .

Physical review / D, 89:072009, and DESY-2014-02585, Belle preprint 2014-3.
doi: 10.1103/PhysRevD.89.072009.

Belle Collaboration.

Measurements of the masses and widths of the $\Sigma_c(2455)^{0++}$ and $\Sigma_c(2520)^{0++}$ baryons.

Physical review / D, 89:091102(R), and DESY-2014-02786, BELLE-PREPRINT-2014-6; arXiv:1404.5389.
doi: 10.1103/PhysRevD.89.091102.

Belle Collaboration.

Observation of a new charged charmoniumlike state in $\bar{B}^0 \rightarrow J/\psi K^- \pi^+$ decays.

Physical review / D, 80(11):112009, and PUBDB-2014-04701, BELLE-PREPRINT-2014-12; arXiv:1408.6457.
doi: 10.1103/PhysRevD.90.112009.

Belle Collaboration.

Observation of $D^0 - \bar{D}^0$ Mixing in e^+e^- Collisions.

Physical review letters, 112(11):111801, and DESY-2014-02655, Belle Preprint 2013-31; arXiv:1401.3402.
doi: 10.1103/PhysRevLett.112.111801.

Belle Collaboration.

Observation of $e^+e^- \rightarrow \pi^+\pi^-\pi^0 \chi_{bJ}$ and search for $X_b \rightarrow \omega \Upsilon(1S)$ at $\sqrt{s} \sim 10.867$ GeV.

Physical review letters, 113(14):142001, and PUBDB-2014-03703, BELLE-PREPRINT-2014-11; arXiv:1408.0504.
doi: 10.1103/PhysRevLett.113.142001.

Belle Collaboration.

Observation of the decay $B^0 \rightarrow \eta' K^*(892)^0$.

Physical review / D, 90:072009, and PUBDB-2014-03850, BELLE-PREPRINT-2014-13; arXiv:1408.6343.
doi: 10.1103/PhysRevD.90.072009.

Belle Collaboration.

Search for $B^0 \rightarrow p \bar{\Lambda} \pi^- \gamma$ at Belle.

Physical review / D, 89:051103(R), and DESY-2014-02656, BELLE-PREPRINT-2013-22; arXiv:1312.4228.
doi: 10.1103/PhysRevD.89.051103.

Belle Collaboration.

Search for $B_s^0 \rightarrow \gamma\gamma$ and a measurement of the branching fraction for $B_s^0 \rightarrow \phi\gamma$.

Physical review / D, 91(1):011101, and PUBDB-2015-00857, BELLE-PREPRINT-2014-18; arXiv:1411.7771.
doi: 10.1103/PhysRevD.91.011101.

Belle Collaboration.

Search for CP violation in $D^0 \rightarrow \pi^0 \pi^0$ Decays.

Physical review letters, 112:211601, and DESY-2014-02825, arXiv:1404.1266; BELLE-PREPRINT-2014-7.
doi: 10.1103/PhysRevLett.112.211601.

Belle Collaboration.

Search for doubly charmed baryons and study of charmed strange baryons at Belle.

Physical review / D, 89:052003, and DESY-2014-02957, Belle preprint 2013-29; arXiv:1312.1026.
doi: 10.1103/PhysRevD.89.052003.

Belle Collaboration.

Search for the process $e^+e^- \rightarrow J/\psi + X(1835)$ at $\sqrt{s} \approx 10.6$ GeV.

Physical review / D, 89(3):032003, and DESY-2014-02657, Belle Preprint 2013-27; arXiv:1311.6337.
doi: 10.1103/PhysRevD.89.032003.

Belle Collaboration.

Updated Cross Section Measurement of $e^+e^- \rightarrow K^+ K^- J/\psi$ and $K_S^0 K_S^0 J/\psi$ via Initial State Radiation at Belle.

Physical review / D, 89(7):072015, and DESY-2014-02654, BELLE-PREPRINT-2014-2; arXiv:1402.6578.
doi: 10.1103/PhysRevD.89.072015.

P. Belov u. a.

Parton Distribution Functions at LO, NLO and NNLO with Correlated Uncertainties between Orders.

The European physical journal / C, 74(10):3039, and PUBDB-2015-01221, DESY 14-054.
doi: 10.1140/epjc/s10052-014-3039-4.

I. Ben-Dayan und T. Kalaydzhyan.

Constraining the Primordial Power Spectrum from SNIa Lensing Dispersion.

Physical review / D, 90(8):083509, and PUBDB-2015-01083, DESY-13-166; arXiv:1309.4771.
doi: 10.1103/PhysRevD.90.083509.

I. Ben-Dayan und T. Kalaydzhyan.

Constraining the primordial power spectrum from SNIa lensing dispersion.

Physical review / D, 90:83509, and PUBDB-2014-04081, DESY 13-166; arXiv:1309.4771.

I. Ben-Dayan, F. G. Pedro und A. Westphal.

Hierarchical Axion Inflation.

Physical review letters, 113(26):261301, and PUBDB-2015-00238, DESY-14-065; arXiv:1404.7773.
doi: 10.1103/PhysRevLett.113.261301.

I. Ben-Dayan u. a.

Accidental inflation from Kähler uplifting.

Journal of cosmology and astroparticle physics, 2014(03):054, and DESY-2014-02615, DESY-13-155.
doi: 10.1088/1475-7516/2014/03/054.

- I. Ben-Dayana u. a.
R 2 log R quantum corrections and the inflationary observables.
Journal of cosmology and astroparticle physics, 2014(09):005, and PUBDB-2014-04091, DESY 14-064.
 doi: 10.1088/1475-7516/2014/09/005.
- I. Ben-Dayana u. a.
Value of H_0 in the Inhomogeneous Universe.
Physical review letters, 112(22):221301, and PUBDB-2014-03762, DESY-13-091.
 doi: 10.1103/PhysRevLett.112.221301.
- M. Beneke u. a.
Leptonic decay of the Upsilon(1S) meson at third order in QCD.
Physical review letters, 112(15):151801, and PUBDB-2014-04198, DESY 13-254; ALBERTA-THY-01-14; LPN14-004; SFB-CPP-14-04; SI-HEP-2014-02; TTK-14-02; TTP14-003; TUM-HEP-923-14; -SI-HEP-2014-02; arXiv:1401.3005.
 doi: 10.1103/PhysRevLett.112.151801.
- Z. Bern, A. De Freitas und L. Dixon.
Erratum: Two-loop helicity amplitudes for quark-gluon scattering in QCD and gluino-gluon scattering in supersymmetric Yang-Mills theory.
Journal of high energy physics, 2014(4):112, and PUBDB-2014-04272, arXiv:hep-ph/0304168.
 doi: 10.1007/JHEP04(2014)112.
- F. Bernardoni u. a.
Decay Constants of B-Mesons from Non-Perturbative HQET with two Light Dynamical Quarks.
Physics letters / B, B735:349, and DESY-2014-03222, DESY 14-048; HU-EP-14-14; IFIC-14-24; CP3-ORIGINS-2014-011-DNRF90; DIAS-2014-11; LPT-ORSAY-14-19; MITP-14-026; MS-TP-14-18; SFB-CPP-14-20; TCD-14-03; arXiv:1404.3590.
 doi: 10.1016/j.physletb.2014.06.051.
- F. Bernardoni u. a.
The b-quark mass from non-perturbative $N_f = 2$ Heavy Quark Effective Theory at $O(1/m_b)$ Bloss.
Physics letters / B, 730:171, and PUBDB-2014-04264.
 doi: 10.1016/j.physletb.2014.01.046.
- A. Bharucha, A. Goudelis und M. McGarrie.
En-gauging naturalness.
The European physical journal / C, 74(5):2858, and DESY-2014-02998, DESY-13-171.
 doi: 10.1140/epjc/s10052-014-2858-7.
- D. Blas, M. Garny und T. Konstandin.
Cosmological perturbation theory at three-loop order.
Journal of cosmology and astroparticle physics, 2014(01):010, and DESY-2014-02908, DESY-13-161.
 doi: 10.1088/1475-7516/2014/01/010.
- D. Blas u. a.
Structure formation with massive neutrinos: going beyond linear theory.
Journal of cosmology and astroparticle physics, 2014(11):039, and PUBDB-2014-04632, DESY-14-143; arXiv:1408.2995.
 doi: 10.1088/1475-7516/2014/11/039.
- J. Blümlein, A. De Freitas und C. Schneider.
Higher Order Heavy Quark Corrections to Deep-Inelastic Scattering.
Nuclear physics / B / Proceedings supplements, 00:1, and PUBDB-2014-04270, DESY 14-159, DO-TH 14/22, SFB/CPP-14-73, LPN 14-113.
- J. Blümlein und J. Brunner.
New exclusion limits on dark gauge forces from proton Bremsstrahlung in beam-dump data.
Physics letters / B, 731:320, and DESY-2014-02438.
 doi: 10.1016/j.physletb.2014.02.029.
- J. Blümlein, A. Hasselhuhn und T. Pfoh.
The (0_s^2) heavy quark corrections to charged current deep-inelastic scattering at large virtualities.
Nuclear physics / B, 881:1, and DESY-2014-02282, DESY-13-247; DO-TH-13-34; SFB-CPP-14-005; LPN-14-006; Higgsstools 14-2; TUM-HEP-921/13; arXiv:1401.4352.
 doi: 10.1016/j.nuclphysb.2014.01.023.
- G. Böhm und G. Zech.
Statistics of Weighted Poisson Events and its Applications.
Nuclear instruments & methods in physics research / A, 748:1, and PUBDB-2015-01191, arXiv:1309.1287.
 doi: 10.1016/j.nima.2014.02.021.
- P. Bolzoni und G. Kramer.
Inclusive charmed-meson production from bottom hadron decays at the LHC.
Journal of physics / G, 41(7):075006, and DESY-2014-03287, DESY 13-177.
 doi: 10.1088/0954-3899/41/7/075006.
- M. Bonvini und S. Marzani.
Resummed Higgs cross section at N^3 LL.
Journal of high energy physics, 2014(9):7, and PUBDB-2014-04097, DESY 14-075.
 doi: 10.1007/JHEP09(2014)007.
- M. Bonvini u. a.
Updated Higgs cross section at approximate N^3 LO.
Journal of physics / G, 41(9):095002, and DESY-2014-03154, DESY-14-052; IFUM-1026-FT; DCPT/14/62; IPPP/14/31.
 doi: 10.1088/0954-3899/41/9/095002.
- S. M. Boucenna, S. Morsi und J. W. F. Valle.
Radiative neutrino mass in 3-3-1 scheme.
Physical review / D, 90(1):013005, and PUBDB-2014-03726, arXiv:1405.2332.
 doi: 10.1103/PhysRevD.90.013005.
- S. M. Boucenna, S. Morsi und J. W. F. Valle.
The Low-Scale Approach to Neutrino Masses.
Advances in high energy physics, 2014:1, and PUBDB-2015-01205, arXiv:1404.3751.
 doi: 10.1155/2014/831598.
- R. Boughezal u. a.
Combining resummed Higgs predictions across jet bins.
Physical review / D, 89(7):074044, and DESY-2014-02765, DESY-13-244.
 doi: 10.1103/PhysRevD.89.074044.

- A. Broggio, A. S. Papanastasiou und A. Signer.
Renormalization-group improved fully differential cross sections for top pair production.
Journal of high energy physics, 2014(10):98, and PUBDB-2014-04244, DESY 14-104; PSI-PR-14-04; ZU-TH-21-14; arXiv:1407.2532.
 doi: 10.1007/JHEP10(2014)098.
- F. Brümmer und W. Buchmüller.
A low Fermi scale from a simple gaugino-scalar mass relation.
Journal of high energy physics, 2014(3):75, and DESY-2014-02617, DESY-13-174.
 doi: 10.1007/JHEP03(2014)075.
- F. Brümmer, M. McGarrie und A. Weiler.
Light third-generation squarks from flavour gauge messengers.
Journal of high energy physics, 2014(4):78, and DESY-2014-02758, DESY-13-152.
 doi: 10.1007/JHEP04(2014)078.
- M. Bruno u. a.
Topological susceptibility and the sampling of field space in $N_f = 2$ lattice QCD simulations.
Journal of high energy physics, 2014(8):150, and PUBDB-2014-03536, DESY-14-101; SFB-CPP-14-29; arXiv:1406.5363.
 doi: 10.1007/JHEP08(2014)150.
- O. Buchmueller u. a.
Implications of Improved Higgs Mass Calculations for Supersymmetric Models.
The European physical journal / C, 74(3):2809, and PUBDB-2015-01089, DESY-13-249; arXiv:1312.5233.
 doi: 10.1140/epjc/s10052-014-2809-3.
- O. Buchmueller u. a.
The CMSSM and NUHM1 after LHC Run 1.
The European physical journal / C, 74(6):2922, and DESY-2014-03091, DESY-13-250.
 doi: 10.1140/epjc/s10052-014-2922-3.
- O. Buchmueller u. a.
The NUHM2 after LHC Run 1.
The European physical journal / C, 74(12):3212, and PUBDB-2014-04633, DESY-14-144; arXiv:1408.4060.
 doi: 10.1140/epjc/s10052-014-3212-9.
- W. Buchmüller, V. Domcke und K. Schmitz.
The chaotic regime of D-term inflation.
Journal of cosmology and astroparticle physics, 2014(11):006, and PUBDB-2014-04243, DESY 14-099.
 doi: 10.1088/1475-7516/2014/11/006.
- W. Buchmüller, V. Domcke und C. Wieck.
No-scale D-term inflation with stabilized moduli.
Physics letters / B, 730:155, and DESY-2014-02297, DESY-13-157; arXiv:1309.3122.
 doi: 10.1016/j.physletb.2014.01.040.
- W. Buchmüller, C. Wieck und M. Winkler.
Supersymmetric moduli stabilization and high-scale inflation.
Physics letters / B, 736:237, and PUBDB-2014-04088, DESY 14-031.
 doi: 10.1016/j.physletb.2014.07.024.
- W. Buchmüller u. a.
Large-field inflation and supersymmetry breaking.
Journal of high energy physics, 2014(9):53, and PUBDB-2014-03735, DESY-14-100; CPHT-RR037.0614.
 doi: 10.1007/JHEP09(2014)053.
- W. Buchmüller u. a.
Hybrid inflation in the complex plane.
Journal of cosmology and astroparticle physics, 2014(07):054, and PUBDB-2014-04083, DESY 14-005.
 doi: 10.1088/1475-7516/2014/07/054.
- F. Burger u. a.
Four-Flavour Leading-Order Hadronic Contribution to the Muon Anomalous Magnetic Moment.
Journal of high energy physics, 2014(2):99, and PUBDB-2015-01202, arXiv:1308.4327.
 doi: 10.1007/JHEP02(2014)099.
- V. V. Bytev, M. Kalmykov und S.-O. Moch.
HYPERDIRE: HYPERgeometric Functions Differential REDuction: MATHEMATICA based Packages for Differential Reduction of Generalized Hypergeometric Functions: F_D and F_S Horn-type Hypergeometric functions of three variables.
Computer physics communications, 185(11):3041, and PUBDB-2015-01109, DESY-13-236; arXiv:1312.5777.
 doi: 10.1016/j.cpc.2014.07.014.
- CALICE Collaboration.
Performance of the first prototype of the CALICE scintillator strip electromagnetic calorimeter.
Nuclear instruments & methods in physics research / A, 763:278, and PUBDB-2014-04795.
 doi: 10.1016/j.nima.2014.06.039.
- CALICE Collaboration.
Shower development of particles with momenta from 1 to 10 GeV in the CALICE Scintillator-Tungsten HCAL.
Journal of Instrumentation, 9(01):1, and DESY-2014-00776.
 doi: 10.1088/1748-0221/9/01/P01004.
- CALICE Collaboration.
The Time Structure of Hadronic Showers in Highly Granular Calorimeters with Tungsten and Steel Absorbers.
Journal of Instrumentation, 9(07):P07022, and PUBDB-2014-04796, arXiv:1404.6454; MPP-2014-147.
 doi: 10.1088/1748-0221/9/07/P07022.
- F. Campanario u. a.
Complete QED NLO Contributions to the Reaction $e^+e^- \rightarrow \mu^+\mu^- \gamma$ and their Implementation in the Event Generator PHOKHARA.
Journal of high energy physics, 2014(2):114, and PUBDB-2015-01035, DESY-13-263; arXiv:1312.3610.
 doi: 10.1007/JHEP02(2014)114.
- V. Cardoso und R. A. Porto.
Analytic Approximations, Perturbation Theory, Effective Field Theory Methods and their Applications.
General relativity and gravitation, 46(5):1682, and PUBDB-2015-01088.
 doi: 10.1007/s10714-014-1682-6.

F. Carminati, D. Perret-Gallix und T. Riemann.

Summary of the ACAT Round Table Discussion: Open-source, knowledge sharing and scientific collaboration.

15th International Workshop on Advanced Computing und Analysis Techniques in Physics Research, Beijing (China), 05/16/2013 - 05/21/2013.

IOP Publ., Bristol, Mai 2014.

doi: 10.1088/1742-6596/523/1/012066.

G. Chalons und F. Domingo.

Dimension-7 operators in the $b \rightarrow s$ transition.

Physical review / D, 89(3):034004, and DESY-2014-02291, DESY-13-056.

doi: 10.1103/PhysRevD.89.034004.

M. N. Chernodub u. a.

On Chromoelectric (super)conductivity of the Yang–Mills Vacuum.

Physics letters / B, 730:63, and DESY-2014-01632, DESY 12-240; arXiv:1212.3168.

doi: 10.1016/j.physletb.2014.01.029.

K. Choi, K. Jeong und M.-S. Seo.

String theoretic QCD axions in the light of PLANCK and BICEP2.

Journal of high energy physics, 2014(7):92, and PUBDB-2014-04089.

doi: 10.1007/JHEP07(2014)092.

N. Christian u. a.

Mesoscopic Behavior from Microscopic Markov Dynamics and its Application to Calcium Release Channels.

Journal of theoretical biology, 343:102, and PUBDB-2015-01218.

doi: 10.1016/j.jtbi.2013.11.010.

K. Cichy, E. Garcia-Ramos und K. Jansen.

Topological susceptibility from the twisted mass Dirac operator spectrum.

Journal of high energy physics, 2014(2):119, and PUBDB-2015-00884, DESY-13-208; HU-EP-13-64; SFB-CPP-13-114; arXiv:1312.5161.

doi: 10.1007/JHEP02(2014)119.

M. Cicoli u. a.

Just enough inflation: power spectrum modifications at large scales.

Journal of cosmology and astroparticle physics, 2014(12):001, and PUBDB-2014-04630, DESY-14-117; arXiv:1407.1048.

doi: 10.1088/1475-7516/2014/12/030.

CMS Collaboration.

Alignment of the CMS tracker with LHC and cosmic ray data.

Journal of Instrumentation, 9:P06009, and PUBDB-2014-03506, arXiv:1403.2286; CMS-TRK-11-002; CERN-PH-EP-2014-028.

doi: 10.1088/1748-0221/9/06/P06009.

CMS Collaboration.

Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs.

Physics letters / B, 736:64, and DESY-2014-03311, ar-

Xiv:1405.3455; CMS-HIG-14-002; CERN-PH-EP-2014-078.

doi: 10.1016/j.physletb.2014.06.077.

CMS Collaboration.

Description and performance of track and primary-vertex reconstruction with the CMS tracker.

Journal of Instrumentation, 9(10):P10009, and PUBDB-2015-00122, CMS-TRK-11-001; CERN-PH-EP-2014-070; arXiv:1405.6569.

doi: 10.1088/1748-0221/9/10/P10009.

CMS Collaboration.

Event activity dependence of Y(nS) production in $\sqrt{s_{NN}}=5.02$ TeV pPb and $\sqrt{s}=2.76$ TeV pp collisions.

Journal of high energy physics, 2014(4):103, and DESY-2014-02848, arXiv:1312.6300; CMS-HIN-13-003; CERN-PH-EP-2013-219.

doi: 10.1007/JHEP04(2014)103.

CMS Collaboration.

Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons.

Journal of high energy physics, 2014(5):104, and PUBDB-2014-03542, arXiv:1401.5041; CMS-HIG-13-004; CERN-PH-EP-2014-001.

doi: 10.1007/JHEP05(2014)104.

CMS Collaboration.

Evidence for the direct decay of the 125 GeV Higgs boson to fermions.

Nature physics, 10(8):557, and PUBDB-2014-03541, arXiv:1401.6527; CMS-HIG-13-033; CERN-PH-EP-2014-004.

doi: 10.1038/nphys3005.

CMS Collaboration.

Evidence of b-Jet Quenching in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV.

Physical review letters, 113(13):132301, and PUBDB-2015-01198, CMS-HIN-12-003; CERN-PH-EP-2013-037; arXiv:1312.4198.

doi: 10.1103/PhysRevLett.113.132301.

CMS Collaboration.

Identification Techniques for Highly Boosted W Bosons that Decay Into Hadrons.

Journal of high energy physics, 2014(12):17, and PUBDB-2015-00698, CMS-JME-13-006; CERN-PH-EP-2014-241; arXiv:1410.4227.

doi: 10.1007/JHEP12(2014)017.

CMS Collaboration.

Inclusive search for a vector-like T quark with charge 2/3 in pp collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 729:149, and DESY-2014-01751, arXiv:1311.7667; CMS-B2G-12-015; CERN-PH-EP-2013-215.

doi: 10.1016/j.physletb.2014.01.006.

CMS Collaboration.

Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 2014(2):13, and DESY-2014-02649, arXiv:1310.1138; CMS-SMP-12-002; CERN-PH-EP-2013-149.

doi: 10.1007/JHEP02(2014)013.

CMS Collaboration.

Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV.

The European physical journal / C, 74(11):3129, and PUBDB-2015-00120, CMS-SMP-13-001; CERN-PH-EP-2014-067; arXiv:1405.7225.

doi: 10.1140/epjc/s10052-014-3129-3.

CMS Collaboration.

Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 7$ TeV.

Physical review / D, 89(9):092010, and PUBDB-2014-03546, arXiv:1312.6440; CERN-PH-EP-2013-229; CMS-FSQ-12-013.

doi: 10.1103/PhysRevD.89.092010.

CMS Collaboration.

Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states.

Journal of high energy physics, 2014(1):96, and DESY-2014-01750, arXiv:1312.1129; CMS-HIG-13-023; CERN-PH-EP-2013-221.

doi: 10.1007/JHEP01(2014)096.

CMS Collaboration.

Measurement of Higher-Order Harmonic Azimuthal Anisotropy in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV.

Physical review / C, 89(4):044906, and PUBDB-2015-01203, CMS-HIN-11-005; CERN-PH-EP-2013-196.

doi: 10.1103/PhysRevC.89.044906.

CMS Collaboration.

Measurement of inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV.

Physical review letters, 112(19):191802, and DESY-2014-02846, arXiv:1402.0923; CMS-SMP-12-011; CERN-PH-EP-2013-217.

doi: 10.1103/PhysRevLett.112.191802.

CMS Collaboration.

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

Physical review / C, 90(2):024908, and PUBDB-2015-00114, CMS-HIN-12-013; CERN-PH-EP-2014-100; arXiv:1406.0932.

doi: 10.1103/PhysRevC.90.024908.

CMS Collaboration.

Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV.

The European physical journal / C, 74(8):3014, and PUBDB-2015-00136, CMS-TOP-12-018; CERN-PH-EP-2014-048; arXiv:1404.3171.

doi: 10.1140/epjc/s10052-014-3014-0.

CMS Collaboration.

Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 2014(9):94, and PUBDB-2015-00113, CMS-BPH-11-021; CERN-PH-EP-2014-111; arXiv:1406.0484.

doi: 10.1007/JHEP09(2014)094.

CMS Collaboration.

Measurement of Prompt $\psi(2S)$ to J/ψ Yield Ratios in PbPb and pp Collisions at $\sqrt{s(sNN)} = 2.76$ TeV.

Physical review letters, 113(26):262301, and PUBDB-2015-00702, CMS-HIN-12-007; CERN-PH-EP-2014-240; arXiv:1410.1804.

doi: 10.1103/PhysRevLett.113.262301.

CMS Collaboration.

Measurement of the muon charge asymmetry in inclusive $pp \rightarrow W + X$ production at $\sqrt{s} = 7$ TeV and an improved determination of light parton distribution functions.

Physical review / D, 90(3):032004, and PUBDB-2015-00137, CMS-SMP-12-021; CERN-PH-EP-2013-232; arXiv:1312.6283.

doi: 10.1103/PhysRevD.90.032004.

CMS Collaboration.

Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV.

Physics letters / B, 735:204, and PUBDB-2014-03545, arXiv:1312.6608; CMS-SMP-12-026; CERN-PH-EP-2013-223.

doi: 10.1016/j.physletb.2014.06.041.

CMS Collaboration.

Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 1406:120, and PUBDB-2014-03539, arXiv:1402.1521; CMS-SMP-13-004; CERN-PH-EP-2014-005.

doi: 10.1007/JHEP06(2014)120.

CMS Collaboration.

Measurement of the properties of a Higgs boson in the four-lepton final state.

Physical review / D, 89(9):092007, and DESY-2014-02849, arXiv:1312.5353; CMS-HIG-13-002; CERN-PH-EP-2013-220.

doi: 10.1103/PhysRevD.89.092007.

CMS Collaboration.

Measurement of the ratio $B(t \rightarrow W b)/B(t \rightarrow W q)$ in pp collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 736:33, and DESY-2014-03312, arXiv:1404.2292; CMS-TOP-12-035; CERN-PH-EP-2014-052.

doi: 10.1016/j.physletb.2014.06.076.

CMS Collaboration.

Measurement of the ratio of inclusive jet cross sections using the anti- k_T algorithm with radius parameters $R=0.5$ and 0.7 in pp collisions at $\sqrt{s} = 7$ TeV.

Physical review / D, 90(7):072006, and PUBDB-2015-00116, CMS-SMP-13-002; CERN-PH-EP-2014-068; arXiv:1406.0324.

doi: 10.1103/PhysRevD.90.072006.

CMS Collaboration.

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

Journal of high energy physics, 1402(2):24, and DESY-2014-02287, arXiv:1312.7582; CMS-TOP-12-007; CERN-PH-EP-2013-234.

doi: 10.1007/JHEP02(2014)024.

CMS Collaboration.

Measurement of the t-channel single-top-quark production cross section and of the $|V_{tb}|$ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014:90, and PUBDB-2014-03504, Xiv:1403.7366; CMS-TOP-12-038; CERN-PH-EP-2014-032.

doi: 10.1007/JHEP06(2014)090.

CMS Collaboration.

Measurement of the triple-differential cross section for photon+jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 2014:9, and PUBDB-2014-03637, arXiv:1311.6141; CMS-QCD-11-005-003; CERN-PH-EP-2013-194.

doi: 10.1007/JHEP06(2014)009.

CMS Collaboration.

Measurement of the $t\bar{t}$ Production Cross Section in pp Collisions at $\sqrt{s} = 8$ TeV in Dilepton Final States Containing one τ Lepton.

Physics letters / B, 739:23, and PUBDB-2015-00708, CERN-PH-EP-2014-167; CMS-TOP-12-026; arXiv:1407.6643.

doi: 10.1016/j.physletb.2014.10.032.

CMS Collaboration.

Measurement of the W gamma and Z gamma inclusive cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge boson couplings.

Physical review / D, 89(9):092005, and PUBDB-2014-03650, arXiv:1308.6832; CMS-EWK-11-009; CERN-PH-EP-2013-108.

doi: 10.1103/PhysRevD.89.092005.

CMS Collaboration.

Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV.

The European physical journal / C, 74(9):3060, and PUBDB-2015-00085, CMS-TOP-12-036; CERN-PH-EP-2014-136; arXiv:1406.7830.

doi: 10.1140/epjc/s10052-014-3060-7.

CMS Collaboration.

Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets.

The European physical journal / C, 74(8):2973, and PUBDB-2014-03505, arXiv:1403.3047; CMS-SMP-13-011; CERN-PH-EP-2014-022.

doi: 10.1140/epjc/s10052-014-2973-5.

CMS Collaboration.

Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 2014(4):191, and DESY-2014-02845, arXiv:1402.3803; CMS-TOP-12-010; CERN-PH-EP-2014-010.

doi: 10.1007/JHEP04(2014)191.

CMS Collaboration.

Measurements of $t\bar{t}$ spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV.

Physical review letters, 112(18):182001, and DESY-2014-02854, arXiv:1311.3924; CMS-TOP-13-003; CERN-

PH-EP-2013-211.

doi: 10.1103/PhysRevLett.112.182001.

CMS Collaboration.

Modification of Jet Shapes in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV.

Physics letters / B, 730:243, and PUBDB-2015-01210, CERN-PH-EP-2013-189; CMS-HIN-12-002; arXiv:1310.0878.

doi: 10.1016/j.physletb.2014.01.042.

CMS Collaboration.

Observation of a peaking structure in the J/psi phi mass spectrum from B(+/-) to J/psi phi K(+/-) decays.

Physics letters / B, 734:261, and PUBDB-2014-03649, arXiv:1309.6920; CMS-BPH-11-026; CERN-PH-EP-2013-167.

doi: 10.1016/j.physletb.2014.05.055.

CMS Collaboration.

Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s} = 8$ TeV arXiv.

Physical review letters, 112(23):231802, and PUBDB-2014-03544, arXiv:1401.2942; CMS-TOP-12-040; CERN-PH-EP-2013-237.

doi: 10.1103/PhysRevLett.112.231802.

CMS Collaboration.

Observation of the diphoton decay of the Higgs boson and measurement of its properties.

The European physical journal / C, 74(10):3076, and PUBDB-2015-00084, CMS-HIG-13-001; CERN-PH-EP-2014-117; arXiv:1407.0558.

doi: 10.1140/epjc/s10052-014-3076-z.

CMS Collaboration.

Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV.

The European physical journal / C, 74(6):2901, and PUBDB-2014-03646, arXiv:1311.5815; CERN-PH-EP-2013-200; CMS-SMP-12-010.

doi: 10.1140/epjc/s10052-014-2901-8.

CMS Collaboration.

Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 90(3):032006, and PUBDB-2015-00133, CMS-SUS-13-002; CERN-PH-EP-2014-039; arXiv:1404.5801.

doi: 10.1103/PhysRevD.90.032006.

CMS Collaboration.

Search for baryon number violation in top-quark decays.

Physics letters / B, 731:173, and DESY-2014-02648, arXiv:1310.1618; CMS-B2G-12-023; CERN-PH-EP-2013-179.

doi: 10.1016/j.physletb.2014.02.033.

CMS Collaboration.

Search for excited quarks in the γ + jet final state in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 738:274, and PUBDB-2015-00086, CMS-EXO-13-003; CERN-PH-EP-2014-129; arXiv:1406.5171.

doi: 10.1016/j.physletb.2014.09.048.

CMS Collaboration.

Search for flavor-changing neutral currents in top-quark decays t to Zq in pp collisions at $\sqrt{s} = 8$ TeV.

Physical review letters, 112(17):171802, and DESY-2014-02850, arXiv:1312.4194; CMS-TOP-12-037; CERN-PH-EP-2013-208.

doi: 10.1103/PhysRevLett.112.171802.

CMS Collaboration.

Search for Heavy Neutrinos and W Bosons with Right-Handed Couplings in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV.

The European physical journal / C, 74(11):3149, and PUBDB-2015-00712, CMS-EXO-13-008; CERN-PH-EP-2014-161; arXiv:1407.3683.

doi: 10.1140/epjc/s10052-014-3149-z.

CMS Collaboration.

Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes.

The European physical journal / C, 74(8):2980, and PUBDB-2014-03503, arXiv:1404.1344; CMS-HIG-13-030; CERN-PH-EP-2014-051.

doi: 10.1140/epjc/s10052-014-2980-6.

CMS Collaboration.

Search for jet extinction in the inclusive jet- p_T spectrum from proton-proton collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 90(3):032005, and PUBDB-2015-00117, CMS-EXO-12-051; CERN-PH-EP-2014-108; arXiv:1405.7653.

doi: 10.1103/PhysRevD.90.032005.

CMS Collaboration.

Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014:174, and PUBDB-2014-03502, arXiv:1405.3447; CMS-EXO-13-009; CERN-PH-EP-2014-076.

doi: 10.1007/JHEP08(2014)174.

CMS Collaboration.

Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014:173, and PUBDB-2014-03501, arXiv:1405.1994; CMS-EXO-12-024; CERN-PH-EP-2014-071.

doi: 10.1007/JHEP08(2014)173.

CMS Collaboration.

Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions.

Journal of high energy physics, 10(10):160, and PUBDB-2015-00082, CMS-HIG-13-021; CERN-PH-EP-2014-192; arXiv:1408.3316.

doi: 10.1007/JHEP10(2014)160.

CMS Collaboration.

Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014(1):163, and DESY-2014-01752, arXiv:1311.6736; CMS-SUS-13-013; CERN-PH-EP-2013-213.

doi: 10.1007/JHEP01(2014)163.

CMS Collaboration.

Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014:55, and PUBDB-2014-03508, arXiv:1402.4770; CMS-SUS-13-012; CERN-PH-EP-2014-015.

doi: 10.1007/JHEP06(2014)055.

CMS Collaboration.

Search for new Resonances Decaying via WZ to Leptons in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 740:83, and PUBDB-2015-00715, CMS-EXO-12-025; CERN-PH-EP-2014-160; arXiv:1407.3476.

doi: 10.1016/j.physletb.2014.11.026.

CMS Collaboration.

Search for pair production of excited top quarks in the lepton + jets final state.

Journal of high energy physics, 2014:125, and PUBDB-2014-03647, arXiv:1311.5357; CMS-B2G-12-014; CERN-PH-EP-2013-206.

doi: 10.1007/JHEP06(2014)125.

CMS Collaboration.

Search for Pair Production of Third-Generation Scalar Leptoquarks and Top Squarks in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 739:229, and PUBDB-2015-00707, CMS-EXO-12-032; CERN-PH-EP-2014-190; arXiv:1408.0806.

doi: 10.1016/j.physletb.2014.10.063.

CMS Collaboration.

Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets.

Physics letters / B, 733:328, and PUBDB-2014-03648, arXiv:1311.4937; CMS-SUS-13-007; CERN-PH-EP-2013-209.

doi: 10.1016/j.physletb.2014.04.023.

CMS Collaboration.

Search for Supersymmetry with Razor Variables in pp Collisions at $\sqrt{s} = 7$ TeV.

Physical review / D, 90(11):112001, and PUBDB-2015-00848, CMS-SUS-12-005; CERN-PH-EP-2014-057; arXiv:1405.3961.

doi: 10.1103/PhysRevD.90.112001.

CMS Collaboration.

Search for the Associated Production of the Higgs Boson with a Top-Quark Pair.

Journal of high energy physics, 1410(9):106, and PUBDB-2015-01105, CMS-HIG-13-029; CERN-PH-EP-2014-189; arXiv:1408.1682.

doi: 10.1007/JHEP10(2014)106.

CMS Collaboration.

Search for the associated production of the Higgs boson with a top-quark pair.

Journal of high energy physics, 2014(9):87, and PUBDB-2015-00131, CMS-HIG-13-029; CERN-PH-EP-2014-189; arXiv:1408.1682.

doi: 10.1007/JHEP09(2014)087.

CMS Collaboration.

Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks.

Physical review / D, 89(1):012003, and DESY-2014-01753, arXiv:1310.3687; CMS-HIG-13-012; CERN-PH-EP-2013-188.

doi: 10.1103/PhysRevD.89.012003.

CMS Collaboration.

Search for top squark and higgsino production using diphoton Higgs boson decays.

Physical review letters, 112(16):161802, and DESY-2014-02851, arXiv:1312.3310; CMS-SUS-13-014; CERN-PH-EP-2013-226.

doi: 10.1103/PhysRevLett.112.161802.

CMS Collaboration.

Search for Top-Quark Partners with Charge 5/3 in the Same-Sign Dilepton Final State.

Physical review letters, 112(17):171801, and DESY-2014-02852, arXiv:1312.2391; CMS-B2G-12-012; CERN-PH-EP-2013-216.

doi: 10.1103/PhysRevLett.112.171801.

CMS Collaboration.

Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s}=8$ TeV.

Physics letters / B, 736:371, and PUBDB-2015-00128, CMS-SUS-13-024; CERN-PH-EP-2014-073; arXiv:1405.3886.

doi: 10.1016/j.physletb.2014.07.053.

CMS Collaboration.

Search for $W' \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV.

Journal of high energy physics, 2014:108, and PUBDB-2014-03525, arXiv:1402.2176; CMS-B2G-12-010; CERN-PH-EP-2014-011.

doi: 10.1007/JHEP05(2014)108.

CMS Collaboration.

Search for $WW\gamma$ and $WZ\gamma$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 8$ TeV.

Physical review / D, 90(3):032008, and PUBDB-2015-00135, CMS-SMP-13-009; CERN-PH-EP-2014-046; arXiv:1404.4619.

doi: 10.1103/PhysRevD.90.032008.

CMS Collaboration.

Searches for Electroweak Neutralino and Chargino Production in Channels with Higgs, Z, and W Bosons in pp Collisions at 8 TeV.

Physical review / D, 90(9):092007, and PUBDB-2015-00703, CMS-SUS-14-002; CERN-PH-EP-2014-216; arXiv:1409.3168.

doi: 10.1103/PhysRevD.90.092007.

CMS Collaboration.

Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV.

The European physical journal / C, 74(9):3036, and PUBDB-2015-00119, CMS-SUS-13-006; CERN-PH-EP-2014-098; arXiv:1405.7570.

doi: 10.1140/epjc/s10052-014-3036-7.

CMS Collaboration.

Searches for Heavy Higgs Bosons in Two-Higgs-Doublet Models and for t to ch Decay Using Multilepton and Diphoton Final States in pp Collisions at 8 TeV.

Physical review / D, 90(11):112013, and PUBDB-2015-00700, CMS-HIG-13-025; CERN-PH-EP-2014-239; arXiv:1410.2751.

doi: 10.1103/PhysRevD.90.112013.

CMS Collaboration.

Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 8$ TeV.

Physics letters / B, 730:193, and DESY-2014-02477, arXiv:1311.1799; CMS-EXO-12-049; CERN-PH-EP-2013-204.

doi: 10.1016/j.physletb.2014.01.049.

CMS Collaboration.

Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV.

Journal of high energy physics, 1402(2):88, and DESY-2014-02476, arXiv:1312.1845; CERN-PH-EP-2013-214; CMS-HIN-12-011.

doi: 10.1007/JHEP02(2014)088.

CMS Collaboration.

Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

The European physical journal / C, 74(7):2951, and PUBDB-2014-03543, arXiv:1401.4433; CMS-HIN-13-001; CERN-PH-EP-2013-236.

doi: 10.1140/epjc/s10052-014-2951-y.

CMS Collaboration.

Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 1403(3):32, and DESY-2014-02475, arXiv:1312.5729; CMS-FSQ-12-028; CERN-PH-EP-2013-224.

doi: 10.1007/JHEP03(2014)032.

CMS Collaboration.

Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV.

Journal of high energy physics, 10:087, and PUBDB-2015-00083, CMS-SMP-12-022; CERN-PH-EP-2014-146; arXiv:1407.2856.

doi: 10.1007/JHEP10(2014)087.

CMS Collaboration.

Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.

The European physical journal / C, 74:2847, and PUBDB-2014-03651, arXiv:1307.3442; CMS-HIN-12-016; CERN-PH-EP-2013-096.

doi: 10.1140/epjc/210052-014-2847-x.

S. Spannagel.

Test Beam Campaigns for the CMS Phase I Upgrade Pixel Readout Chip.

Journal of Instrumentation, 9(12):C12001, and PUBDB-2015-01094, CMS-CR-2014-231; arXiv:1410.1399.
doi: 10.1088/1748-0221/9/12/C12001.

CMS Collaboration and TOTEM Collaboration.

Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments.

The European physical journal / C, 74(10):3053, and PUBDB-2015-00132, CMS-FSQ-12-026; CERN-PH-EP-TOTEM-2014-002; CERN-PH-EP-2014-063; arXiv:1405.0722.
doi: 10.1140/epjc/s10052-014-3053-6.

CSSM and QCDSF/UKQCD Collaborations.

Electric form factors of the octet baryons from lattice QCD and chiral extrapolation.

Physical review / D, 90(3):034502, and PUBDB-2014-04085, DESY 14-016.
doi: 10.1103/PhysRevD.90.034502.

CSSM and QCDSF/UKQCD Collaborations and CSSM Collaboration and QCDSF/UKQCD Collaboration.

Feynman-Hellmann approach to the spin structure of hadrons.
Physical review / D, 90(1):014510, and PUBDB-2014-04090, DESY 14-056.

doi: 10.1103/PhysRevD.90.014510.

G. Cullen u. a.

GoSam applications for automated NLO calculations.

15th International Workshop on Advanced Computing und Analysis Techniques in Physics Research, Beijing (China), 05/16/2013 - 05/21/2013.
IOP Publ., Bristol, Mai 2014.

G. Cullen u. a.

GoSam-2.0: a tool for automated one-loop calculations within the Standard Model and beyond.

The European physical journal / C, 74(8):3001, and DESY-2014-03178, DESY 14-061; MPP-2014-145.
doi: 10.1140/epjc/s10052-014-3001-5.

M. Czakon u. a.

Removing Gaps in the Exclusion of Top Squark Parameter Space.

Physical review letters, 113(20):201803, and PUBDB-2014-04245, DESY 14-107.
doi: 10.1103/PhysRevLett.113.201803.

J. Abdallah und K. Moenig.

Measurement of the Electron Structure Function F_2^e at LEP Energies.

Physics letters / B, 737:39, and PUBDB-2015-01110.
doi: 10.1016/j.physletb.2014.08.012.

A. G. Dias u. a.

The quest for an intermediate-scale accidental axion and further ALPs.

Journal of high energy physics, 2014(6):37, and DESY-2014-02855.
doi: 10.1007/JHEP06(2014)037.

M. Diehl, T. Kasemets und S. Keane.

Correlations in double parton distributions: effects of evolution.
Journal of high energy physics, 2014(5):118, and DESY-2014-02912, DESY-13-243.

doi: 10.1007/JHEP05(2014)118.

S. Díez u. a.

A double-sided, shield-less stave prototype for the ATLAS Upgrade strip tracker for the High Luminosity LHC.

Journal of Instrumentation, 9(03):P03012, and DESY-2014-03033.
doi: 10.1088/1748-0221/9/03/P03012.

M. Dowling und S. Moch.

Differential distributions for top-quark hadro-production with a running mass.

The European physical journal / C, 74(11):3167, and PUBDB-2015-01941.
doi: 10.1140/epjc/s10052-014-3167-x.

E. Dudas.

Three-Form Multiplet and Inflation.

Journal of high energy physics, 2014(12):14, and PUBDB-2015-01081, DESY-14-132.
doi: 10.1007/JHEP12(2014)014.

J. Elias-Miró, J. R. Espinosa und T. Konstandin.

Taming infrared divergences in the effective potential.

Journal of high energy physics, 2014(8):34, and PUBDB-2014-04109.
doi: 10.1007/JHEP08(2014)034.

K. Enqvist, R. Lerner und T. Takahashi.

The minimal curvaton-higgs model.

Journal of cosmology and astroparticle physics, 2014(01):006, and DESY-2014-02759, DESY-13-180.
doi: 10.1088/1475-7516/2014/01/006.

L. Ferro u. a.

Spectral Parameters for Scattering Amplitudes in $\mathcal{N} = 4$ Super Yang-Mills Theory.

Journal of high energy physics, 2014(1):94, and PUBDB-2015-01092, DESY-13-488; arXiv:1308.3494.
doi: 10.1007/JHEP01(2014)094.

N. Fischer u. a.

Revisiting radiation patterns in $e^+e^-e^+e^-$ collisions.

The European physical journal / C, 74(4):2831, and DESY-2014-02916, DESY-14-014.
doi: 10.1140/epjc/s10052-014-2831-5.

K. Floettmann.

Adiabatic Matching Section for Plasma Accelerated Beams.

Physical review / Special topics / Accelerators and beams, 17(5):11, and PUBDB-2015-00549.
doi: 10.1103/PhysRevSTAB.17.054402.

K. Floettmann und V. V. Paramonov.

Beam Dynamics in Transverse Deflecting RF Structures.

Physical review / Special topics / Accelerators and beams, 17(2):024001, and PUBDB-2015-00536.
doi: 10.1103/PhysRevSTAB.17.024001.

- D. de Florian u. a.
Approximate N^3 LO Higgs-boson production cross section using physical-kernel constraints.
Journal of high energy physics, 1410(10):176, and PUBDB-2014-04047, DESY 14-123; LPN-14-088; LTH-1014; arXiv:1408.6277.
 doi: 10.1007/JHEP10(2014)176.
- J. Gao u. a.
CT10 Next-to-Next-to-Leading Order Global Analysis of QCD.
Physical review / D, 89(3):033009, and PUBDB-2015-01102, SMU-HEP-12-23; arXiv:1302.6246.
 doi: 10.1103/PhysRevD.89.033009.
- M. Garry u. a.
Majorana dark matter with a coloured mediator: collider vs direct and indirect searches.
Journal of high energy physics, 2014(6):169, and DESY-2014-03003, DESY-14-029; arXiv: 1403.4634.
 doi: 10.1007/JHEP06(2014)169.
- J. R. Gaunt, M. Stahlhofen und F. J. Tackmann.
The quark beam function at two loops.
Journal of high energy physics, 2014(4):113, and DESY-2014-02914, DESY-14-001.
 doi: 10.1007/JHEP04(2014)113.
- J. Gaunt, R. Maciula und A. Szczurek.
Conventional versus single-ladder-splitting contributions to double parton scattering production of two quarkonia, two Higgs bosons and $c\bar{c}c\bar{c}$.
Physical review / D, 90(5):054017, and PUBDB-2014-04046, DESY 14-120; arXiv:1407.5821.
 doi: 10.1103/PhysRevD.90.054017.
- J. Gaunt und M. Stahlhofen.
The fully-differential quark beam function at NNLO.
Journal of high energy physics, 12:146, and PUBDB-2015-00230, DESY-14-170; arXiv:1409.8281.
 doi: 10.1007/JHEP12(2014)146.
- S. Gonzalez-Sevilla u. a.
A Double-Sided Silicon Micro-Strip Super-Module for the ATLAS Inner Detector upgrade in the High-Luminosity LHC.
Journal of Instrumentation, 9(02):P02003, and PUBDB-2015-01074.
 doi: 10.1088/1748-0221/9/02/P02003.
- N. Greiner.
GoSam 2.0: Automated one loop calculations within and beyond the Standard Model.
Nuclear physics / B / Proceedings supplements, PUBDB-2014-04036, DESY 14-183; arXiv:1410.3237.
- C. Grojean u. a.
Very boosted Higgs in gluon fusion.
Journal of high energy physics, 2014(5):22, and DESY-2014-02760, DESY-13-233.
 doi: 10.1007/JHEP05(2014)022.
- Group, Gfitter.
The global electroweak fit at NNLO and prospects for the LHC and ILC.
The European physical journal / C, 74(9):3046, and DESY-2014-03300, DESY 14-124.
 doi: 10.1140/epjc/s10052-014-3046-5.
- Group, Particle Data.
Review of Particle Physics.
Chinese physics / C, 38(9):090001, and PUBDB-2014-03548.
 doi: 10.1088/1674-1137/38/9/090001.
- M. Guzzi, P. M. Nadolsky und B. Wang.
Nonperturbative Contributions to a Resummed Leptonic Angular Distribution in Inclusive Neutral Vector Boson Production.
Physical review / D, 90(1):014030, and PUBDB-2015-01097, arXiv:1309.1393.
 doi: 10.1103/PhysRevD.90.014030.
- H1 Collaboration.
Measurement of Feynman- x spectra of photons and neutrons in the very forward direction in deep-inelastic scattering at HERA.
The European physical journal / C, 74:2915, and DESY-2014-03214, DESY-14-035; arXiv:1404.0201.
 doi: 10.1140/epjc/s10052-014-2915-2.
- H1 Collaboration.
Measurement of Inclusive ep Cross Sections at High Q^2 at $\sqrt{s} = 225$ and 252 GeV and of the Longitudinal Proton Structure Function F_L at HERA.
The European physical journal / C, 74(4):2814, and PUBDB-2014-03638, DESY-13-211; arXiv:1312.4821.
 doi: 10.1140/epjc/s10052-014-2814-6.
- L. Hadasz, M. Pawelkiewicz und V. Schomerus.
Self-dual continuous series of representations for $\mathcal{U}_q(sl(2))$ and $\mathcal{U}_q(osp(1|2))$.
Journal of high energy physics, 2014(10):91, and PUBDB-2014-03980, DESY 13-083.
 doi: 10.1007/JHEP10(2014)091.
- T. Hahn u. a.
High-precision predictions for the light CP-even Higgs Boson Mass of the MSSM.
Physical review letters, 112(14):141801, and DESY-2014-02621, DESY-13-248.
 doi: 10.1103/PhysRevLett.112.141801.
- Y. Hamada u. a.
More on cosmological constraints on spontaneous R-symmetry breaking models.
Journal of cosmology and astroparticle physics, 2014(01):024, and DESY-2014-01642, DESY 13-170.
 doi: 10.1088/1475-7516/2014/01/024.
- L. A. Harland-Lang u. a.
Sharpening m T2 cusps: the mass determination of semi-invisibly decaying particles from a resonance.
Journal of high energy physics, 2014(6):175, and DESY-2014-03000, DESY-13-258; arXiv:1312.5720.
 doi: 10.1007/JHEP06(2014)175.

Y. Hatsuda.

Wilson loop OPE, analytic continuation and multi-Regge limit.
Journal of high energy physics, 2014(10):38, and PUBDB-2015-01021, DESY-14-057; arXiv:1404.6506.
doi: 10.1007/JHEP10(2014)038.

Y. Hatsuda und K. Okuyama.

Probing non-perturbative effects in M-theory.
Journal of high energy physics, 1410(10):158, and PUBDB-2014-04045, DESY 14-126; arXiv:1407.3786.
doi: 10.1007/JHEP10(2014)158.

Y. Hatsuda u. a.

Non-perturbative effects and the refined topological string.
Journal of high energy physics, 2014(9):168, and PUBDB-2014-03717.
doi: 10.1007/JHEP09(2014)168.

Y. Hatsuda u. a.

Quantum Wronskian approach to six-point gluon scattering amplitudes at strong coupling.
Journal of high energy physics, 2014(8):162, and DESY-2014-03249, DESY 14-058.
doi: 10.1007/JHEP08(2014)162.

F. Hautmann und H. Jung.

Transverse Momentum Dependent Gluon Density from DIS Precision Data.
Nuclear physics / B, 883:1, and PUBDB-2015-01099, arXiv:1312.7875.
doi: 10.1016/j.nuclphysb.2014.03.014.

F. Hautmann, H. Jung und S. T. Monfared.

The CCFM uPDF evolution uPDFevolv Version 1.0.00.
The European physical journal / C, 74(10):3082, and PUBDB-2014-04557, DESY-14-060; RAL-arXiv:1407.5935; P-2014-010.
doi: 10.1140/epjc/s10052-014-3082-1.

F. Hautmann u. a.

TMDlib and TMDplotter: library and plotting tools for transverse-momentum-dependent parton distributions.
The European physical journal / C, 74(12):3220, and PUBDB-2015-00311, DESY-14-059; NIKHEF-2014-024; YITP-SB-14-24; arXiv:1408.3015.
doi: 10.1140/epjc/s10052-014-3220-9.

S. Yashchenko.

An overview of recent DVCS results at HERMES.
1. The 20th International Symposium on Spin Physics, Dubna (Russian Federation), 09/17/2012 - 09/22/2012. MAIK Nauka/Interperiodica, Moskva, Sep. 2014.
doi: 10.1134/S1063779614011127.

HERMES Collaboration.

Beam-helicity asymmetry in associated electroproduction of real photons $ep \rightarrow e\gamma N$ in the Δ -resonance region.
Journal of high energy physics, 2014(1):77, and DESY-2014-01179, DESY 13-188; arXiv:1310.5081.
doi: 10.1007/JHEP01(2014)077.

F. Giordano.

Flavor dependent azimuthal asymmetries in unpolarized semi-inclusive DIS at HERMES.
1. The 20th International Symposium on Spin Physics, Dubna (Russian Federation), 09/17/2012 - 09/22/2012. MAIK Nauka/Interperiodica, Moskva, Sep. 2014.
doi: 10.1134/S1063779614010353.

HERMES Collaboration.

Reevaluation of the parton distribution of strange quarks in the nucleon.
Physical review / D, 89(9):097101, and DESY-2014-03029, DESY 13-246; arXiv:1312.7028.
doi: 10.1103/PhysRevD.89.097101.

T.-A. Shibata.

Ring imaging Cherenkov counter of HERMES for pion, kaon, proton and anti-proton identification.
Eighth International Workshop on Ring Imaging Cherenkov Detectors, Shonan, Kanagawa (Japan), 12/02/2013 - 12/06/2013.
North-Holland Publ. Co., Amsterdam, Dez. 2014.
doi: 10.1016/j.nima.2014.04.070.

HERMES Collaboration.

Spin density matrix elements in exclusive ω electroproduction on ^1H and ^2H targets at 27.5 GeV beam energy.
The European physical journal / C, 74(11):3110, and PUBDB-2014-04143, DESY 14-116; arXiv:1407.2119.
doi: 10.1140/epjc/s10052-014-3110-1.

HERMES Collaboration.

Transverse polarization of Λ hyperons from quasireal photoproduction on nuclei.
Physical review / D, 90(7):072007, and PUBDB-2014-03849, arXiv:1406.3236; DESY 14-097.
doi: 10.1103/PhysRevD.90.072007.

HERMES Collaboration.

Transverse target single-spin asymmetry in inclusive electroproduction of charged pions and kaons.
Physics letters / B, 728:183, and DESY-2013-01334, arXiv:1310.5070; DESY 13-187.
doi: 10.1016/j.physletb.2013.11.021.

T. Higaki, K. Jeong und F. Takahashi.

Solving the tension between high-scale inflation and axion isocurvature perturbations.
Physics letters / B, 734:21, and DESY-2014-03004, DESY-14-033.
doi: 10.1016/j.physletb.2014.05.014.

T. Higaki, K. Jeong und F. Takahashi.

The 7 keV axion dark matter and the X-ray line signal.
Physics letters / B, 733:25, and DESY-2014-02918, DESY-14-022.
doi: 10.1016/j.physletb.2014.04.007.

T. Hiramatsu u. a.

Instability of colliding metastable strings.
Journal of high energy physics, 2014(1):165, and DESY-2014-02290, DESY-13-039; arXiv:1304.0623.
doi: 10.1007/JHEP01(2014)165.

- A. H. Hoang und M. Stahlhofen.
The top-antitop threshold at the ILC: NNLL QCD uncertainties.
Journal of high energy physics, 2014(5):121, and DESY-2014-02909, DESY-13-168.
 doi: 10.1007/JHEP05(2014)121.
- S. Höche, Y. Li und S. Prestel.
Higgs-boson production through gluon fusion at NNLO QCD with parton showers.
Physical review / D, 90(5):054011, and PUBDB-2014-04631, DESY-14-119; arXiv:1407.3773; SLAC-PUB 16011; MCNET 14-14.
 doi: 10.1103/PhysRevD.90.054011.
- M. Hoffmann u. a.
Probing compositeness with Higgs Boson decays at the LHC.
The European physical journal / C, 74(11):3181, and PUBDB-2014-04425, DESY 14-094; arXiv:1407.8000.
 doi: 10.1140/epjc/s10052-014-3181-z.
- R. Horsley u. a.
Nucleon axial charge and pion decay constant from two-flavor lattice QCD.
Physics letters / B, 732:41, and DESY-2014-02678, DESY-13-017.
 doi: 10.1016/j.physletb.2014.03.002.
- R. Horsley u. a.
The SU(3) Beta Function from Numerical Stochastic Perturbation Theory.
Physics letters / B, 728:1, and PUBDB-2015-01091, DESY-13-127.
 doi: 10.1016/j.physletb.2013.11.012.
- M. Isachenkov, I. Kirsch und V. Schomerus.
Chiral primaries in strange metals.
Nuclear physics / B, 885:679, and PUBDB-2014-04087, DESY 14-028.
 doi: 10.1016/j.nuclphysb.2014.06.004.
- H. Ishida, K. Jeong und F. Takahashi.
7 keV sterile neutrino dark matter from split flavor mechanism.
Physics letters / B, 732:196, and DESY-2014-02917, DESY-14-017.
 doi: 10.1016/j.physletb.2014.03.044.
- K. Ishiwata.
Axino dark matter in moduli-induced baryogenesis.
Journal of high energy physics, 2014(9):122, and PUBDB-2014-04246, DESY 14-114.
 doi: 10.1007/JHEP09(2014)122.
- K. Ishiwata, K. Jeong und F. Takahashi.
Moduli-induced baryogenesis.
Journal of high energy physics, 2014(2):62, and DESY-2014-02289, DESY-13-235; arXiv:1312.0954.
 doi: 10.1007/JHEP02(2014)062.
- J. Jaeckel, J. Redondo und A. Ringwald.
3.55 keV hint for decaying axionlike particle dark matter.
Physical review / D, 89(10):103511, and DESY-2014-02781, DESY 14-023.
 doi: 10.1103/PhysRevD.89.103511.
- L. L. Jenkovszky u. a.
Low Missing Mass, Single- and Double Diffraction Dissociation at the LHC.
Physics of atomic nuclei, 77(12):1463, and PUBDB-2015-01143, arXiv:1211.5841.
 doi: 10.1134/S1063778814120072.
- K. S. Jeong, M. Kawasaki und F. Takahashi.
Axions as hot and cold dark matter.
Journal of cosmology and astroparticle physics, 2014(02):046, and DESY-2014-02299, DESY-13-181; TU-948; ICRR-661-2013-10; IPMU13-0197; arXiv:1310.1774.
 doi: 10.1088/1475-7516/2014/02/046.
- A. Joseph.
Supersymmetric quiver gauge theories on the lattice.
Journal of high energy physics, 2014(1):93, and DESY-2014-02257, DESY-13-229.
 doi: 10.1007/JHEP01(2014)093.
- A. Joseph.
Two-dimensional $\mathcal{N} = (2, 2)$ lattice gauge theories with matter in higher representations.
Journal of high energy physics, 1407(7):67, and DESY-2014-03292, DESY14-030; arXiv:1403.4390.
 doi: 10.1007/JHEP07(2014)067.
- R. Kallosh, A. Linde und A. Westphal.
Chaotic inflation in supergravity after Planck and BICEP2.
Physical review / D, 90(2):023534, and PUBDB-2014-04092.
 doi: 10.1103/PhysRevD.90.023534.
- A. Kaminska u. a.
A precision study of the fine tuning in the DiracNMSSM.
Journal of high energy physics, 2014(6):153, and DESY-2014-02999, DESY-13-256.
 doi: 10.1007/JHEP06(2014)153.
- R. Kappl und M. W. Winkler.
The cosmic ray antiproton background for AMS-02.
Journal of cosmology and astroparticle physics, 2014(09):051, and PUBDB-2014-03713.
 doi: 10.1088/1475-7516/2014/09/051.
- A. Karneyeu u. a.
MCPLOTS: a Particle Physics Resource based on Volunteer Computing.
The European physical journal / C, 74(2):2714, and PUBDB-2015-01090, DESY-13-104; arXiv:1306.3436.
 doi: 10.1140/epjc/s10052-014-2714-9.
- T. Konstandin, G. Nardini und I. Rues.
From Boltzmann equations to steady wall velocities.
Journal of cosmology and astroparticle physics, 2014(09):028, and PUBDB-2014-04247, DESY 14-127.
 doi: 10.1088/1475-7516/2014/09/028.
- H. Kowalski, L. Lipatov und D. Ross.
The Green Function for the BFKL Pomeron and the Transition to DGLAP Evolution.
The European physical journal / C, 74(6):2919, and PUBDB-2015-01145, arXiv:1401.6298.
 doi: 10.1140/epjc/s10052-014-2919-y.

S. Krippendorff u. a.

Rational F-theory GUTs without exotics.

Journal of high energy physics, 2014(7):13, and DESY-2014-03001, DESY-13-259; arXiv:1401.5084.
doi: 10.1007/JHEP07(2014)013.

M. C. Kumar und S.-O. Moch.

Phenomenology of Threshold Corrections for Inclusive Jet Production at Hadron Colliders.

Physics letters / B, 730:122, and PUBDB-2015-01219, arXiv:1309.5311; DESY 13-165; LPN 13-060.
doi: 10.1016/j.physletb.2014.01.034.

A. Kurz u. a.

Anomalous magnetic moment with heavy virtual leptons.

Nuclear physics / B, 879:1, and DESY-2014-00188, SFB-CPP-13-81; TTP13-32; DESY-13-195; LPN13-084 ; arXiv:1311.2471.
doi: 10.1016/j.nuclphysb.2013.11.018.

J. L. Leonard u. a.

Fast Beam Condition Monitor for CMS: performance and upgrade.

Nuclear instruments & methods in physics research / A, 765:235, and DESY-2014-03217, DESY 14-070.
doi: 10.1016/j.nima.2014.05.008.

Z. Ligeti und F. J. Tackmann.

Precise predictions for $B \rightarrow X_c \tau \nu$ decay distributions.

Physical review / D, 90(3):034021, and DESY-2014-03322, DESY 14-095.
doi: 10.1103/PhysRevD.90.034021.

N. A. Lo Presti, A. Almasi und A. Vogt.

Leading large-x logarithms of the quark-gluon contributions to inclusive Higgs-boson and lepton-pair production.

Physics letters / B, B737:120, and PUBDB-2014-04038, DESY 14-106; IPHT-T14-084; LTH-1013; LPN14-084; arXiv:1407.1553.
doi: 10.1016/j.physletb.2014.08.044.

S. Lottini.

Approaching the chiral point in two-flavour lattice simulations.

6th International Winter Workshop "Excited QCD"2014, Sarajevo (Bosnia-Herzegovina), 02/02/2014 - 02/08/2014. Inst. of Physics, Jagellonian Univ., Cracow, Feb. 2014.
doi: 10.5506/APhysPolBSupp.7.565.

A. Luszczyk und H. Kowalski.

Dipole Model Analysis of High Precision HERA Data.

Physical review / D, 89(7):074051, and PUBDB-2015-01146, arXiv:1312.4060.
doi: 10.1103/PhysRevD.89.074051.

K. Mahboubi u. a.

The Front-End Hybrid for the ATLAS HL-LHC Silicon Strip Tracker.

Journal of Instrumentation, 9(02):C02027, and PUBDB-2015-01077.
doi: 10.1088/1748-0221/9/02/C02027.

S. Manz u. a.

Mapping Atomic Motions with Ultrabright Electrons: Towards Fundamental Limits in Space-Time Resolution.

Faraday discussions, 1:25, and PUBDB-2014-04597.
doi: 10.1039/C4FD00204K.

P. Marquard und N. Zerf.

SLAM, a Mathematica interface for SUSY spectrum generators.

Computer physics communications, 185(3):1153, and PUBDB-2014-04297, Alberta Thy 5-13; DESY 13-156; LPN 13-059; TTP 13-024; arXiv:1309.1731.
doi: 10.1016/j.cpc.2013.12.005.

P. Marquard u. a.

Three-loop matching of the vector current.

Physical review / D, 89(3):034027, and DESY-2014-02259, DESY-13-253; LPN14-003; SFB-CPP-14-03; SI-HEP-2014-01; TTP14-002; TTK-14-01; TUM-HEP-922-14.
doi: 10.1103/PhysRevD.89.034027.

L. McAllister u. a.

The powers of monodromy.

Journal of high energy physics, 2014(9):123, and PUBDB-2014-03883.
doi: 10.1007/JHEP09(2014)123.

S. Melville und R. Lerner.

Quantifying the 'naturalness' of the curvaton model.

Journal of cosmology and astroparticle physics, 2014(07):026, and PUBDB-2014-04084, DESY 14-015.
doi: 10.1088/1475-7516/2014/07/026.

I. Melzer-Pellmann und P. Pralavorio.

Lessons for SUSY from the LHC after the first Run.

The European physical journal / C, 74(5):2801, and PUBDB-2015-01100, arXiv:1404.7191.
doi: 10.1140/epjc/s10052-014-2801-y.

C. Meneghelli und G. Yang.

Mayer-Cluster Expansion of Instanton Partition Functions and Thermodynamic Bethe Ansatz.

Journal of high energy physics, 2014(5):112, and PUBDB-2015-01086, arXiv:1312.4537.
doi: 10.1007/JHEP05(2014)112.

A. Merle, S. Morisi und W. Winter.

Common origin of reactor and sterile neutrino mixing.

Journal of high energy physics, 2014(7):39, and PUBDB-2014-03736, arXiv:1402.6332.
doi: 10.1007/JHEP07(2014)039.

G. Moortgat-Pick, S. Porto und K. Rolbiecki.

Neutralinos betray their singlino nature at the ILC.

Journal of high energy physics, 1409:2, and PUBDB-2015-01476, DESY 14-041; IFT-UAM/CSIC-14-058; arXiv:1406.7701.
doi: 10.1007/JHEP09(2014)002.

M. D. Morte u. a.

Matching of heavy-light flavour currents between HQET at order 1/m and QCD: I. Strategy and tree-level study.

Journal of high energy physics, 2014(5):60, and PUBDB-2015-00872, IFIC-13-69, DESY-13-231, MS-TP-13-33, ar-

- Xiv:1312.1566.
doi: 10.1007/JHEP05(2014)060.
- K. Motohashi u. a.
Evaluation of KEK n-in-p Planar Pixel Sensor Structures for Very High Radiation Environments with Testbeam.
9th International "Hiroshima Symposium on Development and Application of Semiconductor Tracking Detectors, Hiroshima (Japan), 09/02/2013 - 09/05/2013.
North-Holland Publ. Co., Amsterdam, Sep. 2014.
doi: 10.1016/j.nima.2014.05.092.
- Z. Nagy und D. E. Soper.
A parton shower based on factorization of the quantum density matrix.
Journal of high energy physics, 2014(6):97, and DESY-2014-03297, DESY 13-241; arXiv:1401.6364.
doi: 10.1007/JHEP06(2014)097.
- Z. Nagy und D. E. Soper.
Ordering variable for parton showers.
Journal of high energy physics, 2014(6):178, and DESY-2014-03280, DESY 13-242; arXiv:1401.6366.
doi: 10.1007/JHEP06(2014)178.
- Z. Nagy und D. E. Soper.
Parton distribution functions in the context of parton showers.
Journal of high energy physics, 2014(6):179, and DESY-2014-03290, DESY 13-240; arXiv:1401.6368.
doi: 10.1007/JHEP06(2014)179.
- OLYMPUS Collaboration.
The OLYMPUS experiment.
Nuclear instruments & methods in physics research / A, 741:1, and DESY-2014-01887.
doi: 10.1016/j.nima.2013.12.035.
- M. Papucci u. a.
Fastlim: a fast LHC limit calculator.
The European physical journal / C, 74(11):3163, and PUBDB-2014-04628, DESY-14-010; arXiv:1402.0492; CERN-TH/2014-019; KCL-PH-TH/2014-04; MCTP-14-03.
doi: 10.1140/epjc/s10052-014-3163-1.
- V. Paramonov u. a.
Deflecting RF Structures with reduced level of aberrations for transformation of particle distributions in the bunch.
Physics of particles and nuclei letters, 11(5):636, and PUBDB-2015-00533.
doi: 10.1134/S1547477114050239.
- M. Pawelkiewicz, V. Schomerus und P. Suchanek.
The universal Racah-Wigner symbol for $U_q(\mathfrak{osp}(1|2))$.
Journal of high energy physics, 2014(4):79, and DESY-2014-02614, DESY-13-129.
doi: 10.1007/JHEP04(2014)079.
- F. G. Pedro und A. Westphal.
The scale of inflation in the landscape.
Physics letters / B, 739:439, and PUBDB-2014-04627, DESY-13-044.
doi: 10.1016/j.physletb.2014.10.022.
- F. Pedro und A. Westphal.
Low- ℓ CMB power loss in string inflation.
Journal of high energy physics, 2014(4):34, and DESY-2014-02616, DESY-13-163.
doi: 10.1007/JHEP04(2014)034.
- S. Plaetzer.
Summing large- N towers in colour flow evolution.
The European physical journal / C, 74(6):2907, and PUBDB-2014-03718.
doi: 10.1140/epjc/s10052-014-2907-2.
- R. A. Porto, L. Senatore und M. Zaldarriaga.
The Lagrangian-Space Effective Field Theory of Large Scale Structures.
Journal of cosmology and astroparticle physics, 2014(05):022, and PUBDB-2015-01087, arXiv:1311.2168.
doi: 10.1088/1475-7516/2014/05/022.
- A. Ramos.
The gradient flow running coupling with twisted boundary conditions.
Journal of high energy physics, 2014(11):101, and PUBDB-2015-00183, arXiv:1409.1445; DESY 13-151.
doi: 10.1007/JHEP11(2014)101.
- J. Reuter, M. Tonini und M. Vries.
Littlest Higgs with T-parity: status and prospects.
Journal of high energy physics, 2014(2):53, and DESY-2014-02296, DESY-13-123; arXiv:1310.2918.
doi: 10.1007/JHEP02(2014)053.
- A. Ringwald.
Searching for axions and ALPs from string theory.
Journal of physics / Conference Series, 485:012013, and DESY-2014-02718, DESY-12-151.
doi: 10.1088/1742-6596/485/1/012013.
- M. Schlaffer u. a.
Boosted Higgs shapes.
The European physical journal / C, 74(10):3120, and PUBDB-2014-04096, DESY 14-069.
doi: 10.1140/epjc/s10052-014-3120-z.
- V. P. Spiridonov und G. S. Vartanov.
Vanishing Superconformal Indices and the Chiral Symmetry Breaking.
Journal of high energy physics, 2014(6):62, and PUBDB-2015-01085.
doi: 10.1007/JHEP06(2014)062.
- M. Stahlhofen, F. J. Tackmann und J. Gaunt.
The gluon beam function at two loops.
Journal of high energy physics, 2014(8):20, and PUBDB-2014-04082, DESY 14-004.
doi: 10.1007/JHEP08(2014)020.
- I. W. Stewart u. a.
Jet p_T resummation in Higgs production at $NNLL'$ + $NNLO$.
Physical review / D, 89(5):054001, and DESY-2014-02906, DESY-13-122.
doi: 10.1103/PhysRevD.89.054001.

J. Teschner und G. Vartanov.

6j Symbols for the Modular Double, Quantum Hyperbolic Geometry, and Supersymmetric Gauge Theories.

Letters in mathematical physics, 104(5):527, and DESY-2014-02955, DESY-12-035.

doi: 10.1007/s11005-014-0684-3.

Y. Unno u. a.

Development of n^+ -in-p large-area silicon microstrip sensors for very high radiation environments – ATLAS12 design and initial results.

The 9th International "HiroshimaSSymposium on Development and Application of Semiconductor Tracking Detectors, Hiroshima (Japan), 09/02/2013 - 09/05/2013.

North-Holland Publ. Co., Amsterdam, Sep. 2014.

doi: 10.1016/j.nima.2014.06.086.

G. Valentino u. a.

Simulator for Beam-Based LHC Collimator Alignment.

Physical review / Special topics / Accelerators and beams, 17(2):021003, and PUBDB-2015-00999.

doi: 10.1103/PhysRevSTAB.17.021003.

E. G. Villani u. a.

High voltage multiplexing for the ATLAS Tracker Upgrade.

01. 13th Topical Seminar on Innovative Particle und Radiation Detectors, Sienna (Italy), 10/10/2013 - 10/10/2013.

Inst. of Physics, London, Okt. 2014.

doi: 10.1088/1748-0221/9/01/C01032.

B. Vormwald und J. List.

Bilinear R parity violation at the ILC: neutrino physics at colliders.

The European physical journal / C, 74(2):2720, and DESY-2014-01794.

doi: 10.1140/epjc/s10052-014-2720-y.

ZEUS Collaboration.

Deep inelastic cross-section measurements at large y with the ZEUS detector at HERA.

Physical review / D, 90(7):072002, and DESY-2014-03785, DESY-14-053; arXiv:1404.6376.

doi: 10.1103/PhysRevD.90.072002.

ZEUS Collaboration.

Erratum: Measurement of $D^{*\pm}$ production in deep inelastic scattering at HERA.

Journal of high energy physics, 02:106, and DESY-2014-02399.

doi: 10.1007/JHEP02(2014)106.

ZEUS Collaboration.

Further studies of the photoproduction of isolated photons with a jet at HERA.

Journal of high energy physics, 2014(8):23, and DESY-2014-03355, DESY-14-086; arXiv:1405.7127.

doi: 10.1007/JHEP08(2014)023.

ZEUS Collaboration.

Measurement of beauty and charm production in deep inelastic scattering at HERA and measurement of the beauty-quark mass.

Journal of high energy physics, 2014(9):127, and PUBDB-

2014-03752, DESY-14-083; arXiv:1405.6915.

doi: 10.1007/JHEP09(2014)127.

ZEUS Collaboration.

Measurement of D^* photoproduction at three different centre-of-mass energies at HERA.

Journal of high energy physics, 2014(10):3, and PUBDB-2014-03754, DESY-14-082; arXiv:1405.5068.

doi: 10.1007/JHEP10(2014)003.

ZEUS Collaboration.

Measurement of neutral current e^+p cross sections at high Bjorken x with the ZEUS detector.

Physical review / D, D89(7):072007, and DESY-2014-02639, DESY-13-245.

doi: 10.1103/PhysRevD.89.072007.

ZEUS Collaboration.

Measurement of the Luminosity in the ZEUS Experiment at HERA II.

Nuclear instruments & methods in physics research / A, 744:80, and PUBDB-2015-01148, DESY-13-081; arXiv:1306.1391.

doi: 10.1016/j.nima.2014.01.053.

ZEUS Collaboration.

Photoproduction of isolated photons, inclusively and with a jet, at HERA.

Physics letters / B, 730:293, and DESY-2014-02047, DESY 13-234; arXiv:1312.1539.

doi: 10.1016/j.physletb.2014.01.062.

H. Zhang, X. Chen und M. Böttcher.

Synchrotron Polarization in Blazars.

The astrophysical journal, 789(1):66, and PUBDB-2015-01153, arXiv:1401.7138.

doi: 10.1088/0004-637X/789/1/66.

2 | POF2-520 - Astrophysik

M. G. Aartsen u. a.

Energy Reconstruction Methods in the IceCube Neutrino Telescope.

Journal of Instrumentation, 9(03):P03009, and PUBDB-2015-00729, arXiv:1311.4767.

doi: 10.1088/1748-0221/9/03/P03009.

M. G. Aartsen u. a.

Improvement in fast particle track reconstruction with robust statistics.

Nuclear instruments & methods in physics research / A, 736:143, and DESY-2014-01329.

doi: 10.1016/j.nima.2013.10.074.

V. A. Acciari u. a.

Observation of Markarian 421 in TeV gamma rays over a 14-year time span.

Astroparticle physics, 54:1, and DESY-2014-03044, arXiv:1310.8150.

doi: 10.1016/j.astropartphys.2013.10.004.

M. Ackermann u. a.

Fermi-LAT Observations of the Gamma-Ray Burst GRB 130427A.

Science, 343(6166):42, and PUBDB-2015-01214, arXiv:1311.5623.

doi: 10.1126/science.1242353.

M. Ackermann u. a.

High-Energy Gamma-Ray Emission from Solar Flares: Summary of FERMI Large Area Telescope Detections and Analysis of Two M-Class Flares.

The astrophysical journal, 787(1):15, and PUBDB-2015-01200.

doi: 10.1088/0004-637X/787/1/15.

M. Ackermann u. a.

THE SPECTRUM AND MORPHOLOGY OF THE FERMI BUBBLES.

The astrophysical journal, 793(1):64, and PUBDB-2014-03721, arXiv:1407.7905.

doi: 10.1088/0004-637X/793/1/64.

M. Ajello u. a.

Impulsive and Long Duration High-Energy Gamma-ray Emission From the Very Bright 2012 March 7 Solar Flares.

The astrophysical journal, 789(1):20, and PUBDB-2015-01151, arXiv:1304.5559.

doi: 10.1088/0004-637X/789/1/20.

J. Aleksić u. a.

Black Hole Lightning due to Particle Acceleration at Subhorizon Scales.

Science, 346(6213):1080, and PUBDB-2015-01107, arXiv:1412.4936.

doi: 10.1126/science.1256183.

J. Aleksić u. a.

Contemporaneous Observations of the Radio Galaxy NGC 1275 from Radio to very High Energy γ -Rays.

Astronomy and astrophysics, 564:A5, and PUBDB-2015-01215, arXiv:1310.8500.

doi: 10.1051/0004-6361/201322951.

J. Aleksić u. a.

Detection of Bridge Emission above 50 GeV from the Crab Pulsar with the MAGIC Telescopes.

Astronomy and astrophysics, 565:L12, and PUBDB-2015-01206, arXiv:1402.4219.

doi: 10.1051/0004-6361/201423664.

J. Aleksić u. a.

Discovery of TeV Gamma-Ray Emission from the Pulsar Wind Nebula 3C 58 by MAGIC.

Astronomy and astrophysics, 567:L8, and PUBDB-2015-01133, arXiv:1405.6074.

doi: 10.1051/0004-6361/201424261.

J. Aleksić u. a.

Discovery of very high energy gamma-ray emission from the blazar 1ES 1727+502 with the MAGIC Telescopes.

Astronomy and astrophysics, 563:A90, and DESY-2014-00625, arXiv:1302.6140.

doi: 10.1051/0004-6361/201321360.

J. Aleksić u. a.

First Broadband Characterization and Redshift Determination of the VHE Blazar MAGIC J2001+439.

Astronomy and astrophysics, 572:A121, and PUBDB-2015-01103, arXiv:1409.3389.

doi: 10.1051/0004-6361/201424254.

J. Aleksić u. a.

MAGIC Gamma-Ray and Multi-Frequency Observations of Flat Spectrum Radio Quasar PKS 1510-089 in Early 2012.

Astronomy and astrophysics, 569:A46, and PUBDB-2015-01112.

doi: 10.1051/0004-6361/201423484.

- J. Aleksić u. a.
MAGIC Long-Term Study of the Distant TeV Blazar PKS 1424+240 in a Multiwavelength Context.
Astronomy and astrophysics, 567:A135, and PUBDB-2015-01130, arXiv:1401.0464.
doi: 10.1051/0004-6361/201423364.
- J. Aleksić u. a.
MAGIC reveals a complex morphology within the unidentified gamma-ray source HESS J1857+026.
Astronomy and astrophysics, 571:1, and PUBDB-2014-04521, arXiv:1401.7154.
doi: 10.1051/0004-6361/201423517.
- J. Aleksić u. a.
MAGIC upper limits on the GRB 090102 afterglow.
Monthly notices of the Royal Astronomical Society, 437(4):3103, and DESY-2014-01207.
doi: 10.1093/mnras/stt2041.
- J. Aleksić u. a.
Search for very high energy gamma-rays from the $z = 0.896$ quasar 4C +55.17 with the MAGIC telescopes.
Monthly notices of the Royal Astronomical Society, 440(1):530, and PUBDB-2014-04520, arXiv:1402.0291.
doi: 10.1093/mnras/stu227.
- J. Aleksić u. a.
Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010.
Research in astronomy and astrophysics, 14:1595, and PUBDB-2015-01225, arXiv:1412.3576.
- E. Aliu u. a.
A Search for Enhanced very high Energy Gamma-Ray Emission from the 2013 March Crab Nebula Flare.
The astrophysical journal / 2, 781(1):L11, and DESY-2014-03038, arXiv:1309.5949.
doi: 10.1088/2041-8205/781/1/L11.
- E. Aliu u. a.
A Three-Year Multi-Wavelength Study of the Very-High-Energy γ -Ray Blazar 1ES 0229+200.
The astrophysical journal, 782(1):13, and PUBDB-2015-00943, arXiv:1312.6592.
doi: 10.1088/0004-637X/782/1/13.
- E. Aliu u. a.
Constraints on very High Energy Emission from GRB 130427A.
The astrophysical journal / 2, 795(1):L3, and PUBDB-2014-03844, arXiv:1410.5367.
doi: 10.1088/2041-8205/795/1/L3.
- E. Aliu u. a.
Investigating the TeV Morphology of MGRO J1908+06 with VERITAS.
The astrophysical journal, 787(2):166, and DESY-2014-03041, arXiv:1404.7185.
doi: 10.1088/0004-637X/787/2/166.
- E. Aliu u. a.
Observations of the Unidentified Gamma-Ray Source TeV J2032+4130 by VERITAS.
The astrophysical journal, 783(1):16, and DESY-2014-03045, arXiv:1401.2828.
doi: 10.1088/0004-637X/783/1/16.
- E. Aliu u. a.
Spatially Resolving the very high Energy Emission from MGRO J2019+37 with VERITAS.
The astrophysical journal, 788(1):78, and DESY-2014-03043.
doi: 10.1088/0004-637X/788/1/78.
- S. Archambault u. a.
Test of Models of the Cosmic Infrared Background with Multiwavelength Observations of the Blazar 1ES 1218+30.4 in 2009.
The astrophysical journal, 788(2):158, and PUBDB-2015-00478.
doi: 10.1088/0004-637X/788/2/158.
- A. Archer u. a.
Very-High Energy Observations of the Galactic Center Region by VERITAS in 2010-2012.
The astrophysical journal, 790(2):149, and PUBDB-2014-03727, arXiv:1406.6383.
doi: 10.1088/0004-637X/790/2/149.
- P. Baerwald, M. Bustamante Ramirez und W. Winter.
Are gamma-ray bursts the sources of ultra-high energy cosmic rays?
Astroparticle physics, 62:66, and PUBDB-2014-04039, DESY 14-135; arXiv:1401.1820.
doi: 10.1016/j.astropartphys.2014.07.007.
- A. Balzer u. a.
The H.E.S.S. central data acquisition system.
Astroparticle physics, 54:67, and DESY-2014-00881.
doi: 10.1016/j.astropartphys.2013.11.007.
- A. Barnacka u. a.
PKS 1510-089: a Rare Example of a Flat Spectrum Radio Quasar with a very High-Energy Emission.
Astronomy and astrophysics, 567:A113, and PUBDB-2015-01141, arXiv:1307.1779.
doi: 10.1051/0004-6361/201322205.
- A. Baushev.
Galaxy Halo Formation in the Absence of Violent Relaxation and a Universal Density Profile of the Halo Center.
The astrophysical journal, 786(1):65, and PUBDB-2015-00387, arXiv:1205.4302.
doi: 10.1088/0004-637X/786/1/65.
- A. Baushev.
Relaxation of dark matter halos: how to match observational data?
Astronomy and astrophysics, 569:A114, and PUBDB-2015-00408, arXiv:1309.5162.
doi: 10.1051/0004-6361/201322730.

- E. Bernardini u. a.
Neutrino Masses and Oscillations.
Advances in high energy physics, 2014:1, and PUBDB-2015-01162.
doi: 10.1155/2014/823127.
- S. M. Boucenna u. a.
Inflation and majoron dark matter in the neutrino seesaw mechanism.
Physical review / D, 90(5):055023, and PUBDB-2014-03714, arXiv:1404.3198.
doi: 10.1103/PhysRevD.90.055023.
- N. M. Budnev u. a.
TAIGA the Tunka Advanced Instrument for cosmic ray physics and Gamma Astronomy - present status and perspectives.
Journal of Instrumentation, 9(09):C09021, and PUBDB-2015-00579.
doi: 10.1088/1748-0221/9/09/C09021.
- R. Bühler und R. Blandford.
The surprising Crab pulsar and its nebula: a review.
Reports on progress in physics, 77(6):066901, and PUBDB-2014-03720, arXiv:1309.7046.
doi: 10.1088/0034-4885/77/6/066901.
- X. Chen u. a.
Magnetic Field Amplification and Flat Spectrum Radio Quasars.
Monthly notices of the Royal Astronomical Society, 441:2188, and PUBDB-2015-01142, arXiv:1404.2193.
- Fermi-LAT Collaboration.
Dark Matter Constraints from Observations of 25 Milky Way Satellite Galaxies with the Fermi Large Area Telescope.
Physical review / D, 89(4):042001, and PUBDB-2015-01217, arXiv:1310.0828.
doi: 10.1103/PhysRevD.89.042001.
- Fermi-LAT Collaboration.
Fermi Establishes Classical Novae as a Distinct Class of Gamma-Ray Sources.
Science, 345(6196):554, and PUBDB-2015-01119, arXiv:1408.0735.
doi: 10.1126/science.1253947.
- Fermi-LAT Collaboration.
Inferred Cosmic-Ray Spectrum from Fermi Large Area Telescope γ -Ray Observations of Earth's Limb.
Physical review letters, 112(15):151103, and PUBDB-2015-01211.
doi: 10.1103/PhysRevLett.112.151103.
- Fermi-LAT Collaboration.
Search for Cosmic-Ray-Induced Gamma-Ray Emission in Galaxy Clusters.
The astrophysical journal, 787(1):18, and PUBDB-2015-01195.
doi: 10.1088/0004-637X/787/1/18.
- Fermi-LAT Collaboration and MAGIC Collaboration.
Multifrequency studies of the peculiar quasar 4C +21.35 during the 2010 flaring activity.
The astrophysical journal, 786(2):157, and PUBDB-2014-04518, arXiv:1403.7534.
doi: 10.1088/0004-637X/786/2/157.
- H. E. S. S. Collaboration.
Discovery of the hard spectrum VHE γ -ray source HESS J1641-463.
The astrophysical journal / 2, 794(1):1, and PUBDB-2014-04056, DESY-14-156; arXiv:1408.5280.
doi: 10.1088/2041-8205/794/1/L1.
- H. E. S. S. Collaboration.
Erratum: HESS J1640-465 - an Exceptionally Luminous TeV γ -Ray Supernova Remnant.
Monthly notices of the Royal Astronomical Society, 441(4):3640, and PUBDB-2015-01124.
doi: 10.1093/mnras/stu826.
- H. E. S. S. Collaboration.
Flux upper limits for 47 AGN observed with H.E.S.S. in 2004-2011.
Astronomy and astrophysics, 564:A9, and PUBDB-2014-04519, arXiv:1402.2332.
doi: 10.1051/0004-6361/201322897.
- H. E. S. S. Collaboration.
HESS J1640-465 - an exceptionally luminous TeV γ -ray supernova remnant.
Monthly notices of the Royal Astronomical Society, 439(3):2828, and PUBDB-2014-04522, arXiv:1401.4388.
doi: 10.1093/mnras/stu139.
- H. E. S. S. Collaboration.
HESS J1818-154, a new composite supernova remnant discovered in TeV gamma rays and X-rays.
Astronomy and astrophysics, 562(A40):10, and DESY-2014-00666.
doi: 10.1051/0004-6361/201322914.
- H. E. S. S. Collaboration.
H.E.S.S. observations of the Crab during its March 2013 GeV γ -ray flare.
Astronomy and astrophysics, 562:1, and PUBDB-2014-04525, arXiv:1311.3187.
doi: 10.1051/0004-6361/201323013.
- H. E. S. S. Collaboration.
Search for Dark Matter Annihilation Signatures in H.E.S.S. Observations of Dwarf Spheroidal Galaxies.
Physical review / D, 90(11):112012, and PUBDB-2015-01046, arXiv:1410.2589.
doi: 10.1103/PhysRevD.90.112012.
- H. E. S. S. Collaboration.
Search for extended γ -ray emission around AGN with H.E.S.S. and Fermi -LAT.
Astronomy and astrophysics, 562:A145, and PUBDB-2014-04524, arXiv:1401.2915.
doi: 10.1051/0004-6361/201322510.

- H. E. S. S. Collaboration.
Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.
Astronomy and astrophysics, 565:A16, and PUBDB-2014-04515, arXiv:1405.0488.
 doi: 10.1051/0004-6361/201322984.
- H. E. S. S. Collaboration.
TeV γ -ray observations of the young synchrotron-dominated SNRs G1.9+0.3 and G330.2+1.0 with H.E.S.S.
Monthly notices of the Royal Astronomical Society, 441(1):790, and PUBDB-2014-04517, arXiv:1404.1613.
 doi: 10.1093/mnras/stu459.
- IceCube Collaboration.
IceCube Sensitivity for Low-Energy Neutrinos from Nearby Supernovae (Corrigendum).
Astronomy and astrophysics, 563:C1, and PUBDB-2015-01222.
 doi: 10.1051/0004-6361/201117810e.
- IceCube Collaboration.
Observation of High-Energy Astrophysical Neutrinos in Three Years of IceCube Data.
Physical review letters, 113(10):101101, and PUBDB-2015-00720, arXiv:1405.5303.
 doi: 10.1103/PhysRevLett.113.101101.
- IceCube Collaboration.
Observation of the Cosmic-Ray Shadow of the Moon with IceCube.
Physical review / D, 89(10):102004, and PUBDB-2015-00731, arXiv:1305.6811.
 doi: 10.1103/PhysRevD.89.102004.
- IceCube Collaboration.
Search for a Diffuse Flux of Astrophysical Muon Neutrinos with the IceCube 59-string Configuration.
Physical review / D, 89(6):062007, and PUBDB-2015-00728, arXiv:1311.7048.
 doi: 10.1103/PhysRevD.89.062007.
- IceCube Collaboration.
Search for Neutrino-Induced Particle Showers with IceCube-40.
Physical review / D, 89(10):102001, and PUBDB-2015-00727, arXiv:1312.0104.
 doi: 10.1103/PhysRevD.89.102001.
- IceCube Collaboration.
Search for Non-Relativistic Magnetic Monopoles with IceCube.
The European physical journal / C, 74(7):2938, and PUBDB-2015-00724, arXiv:1402.3460.
 doi: 10.1140/epjc/s10052-014-2938-8.
- IceCube Collaboration.
Searches for Extended and Point-like Neutrino Sources with Four Years of IceCube Data.
The astrophysical journal, 796(2):109, and PUBDB-2015-01104, arXiv:1406.6757.
 doi: 10.1088/0004-637X/796/2/109.
- IceCube Collaboration and LIGO Scientific Collaboration and Virgo Collaboration.
Multimessenger Search for Sources of Gravitational Waves and High-Energy Neutrinos: Initial Results for LIGO-Virgo and IceCube.
Physical review / D, 90(10):102002, and PUBDB-2015-00717, arXiv:1407.1042.
 doi: 10.1103/PhysRevD.90.102002.
- D. Kostunin u. a.
Tunka-Rex: Status and results of the first measurements.
Nuclear instruments & methods in physics research / A, 742:89, and DESY-2014-00906, arXiv:1310.8477.
 doi: 10.1016/j.nima.2013.10.070.
- MAGIC Collaboration.
MAGIC search for VHE γ -ray emission from AE Aquarii in a multiwavelength context.
Astronomy and astrophysics, 568:A109, and PUBDB-2015-01115, arXiv:1407.3707.
 doi: 10.1051/0004-6361/201424072.
- MAGIC Collaboration.
Optimized Dark Matter Searches in Deep Observations of Segue 1 with MAGIC.
Journal of cosmology and astroparticle physics, 2014(02):008, and PUBDB-2015-01216, arXiv:1312.1535.
 doi: 10.1088/1475-7516/2014/02/008.
- MAGIC Collaboration.
Rapid and Multiband Variability of the TeV Bright Active Nucleus of the Galaxy IC 310.
Astronomy and astrophysics, 563:A91, and PUBDB-2015-01207.
 doi: 10.1051/0004-6361/201321938.
- D. Tescaro.
The upgraded MAGIC Cherenkov Telescopes.
Nuclear instruments & methods in physics research / A, 766:65, and PUBDB-2015-01227.
 doi: 10.1016/j.nima.2014.04.037.
- MAGIC Collaboration and Fermi-LAT Collaboration.
MAGIC Observations and Multifrequency Properties of the Flat Spectrum Radio Quasar 3C 279 in 2011.
Astronomy and astrophysics, 567:A41, and PUBDB-2015-01128, arXiv:1311.2833.
 doi: 10.1051/0004-6361/201323036.
- Y. Mizuno u. a.
Magnetic Field Amplification and Saturation in Turbulence behind a Relativistic Shock.
Monthly notices of the Royal Astronomical Society, 439(4):3490, and PUBDB-2015-00401, arXiv:1401.7080.
 doi: 10.1093/mnras/stu196.
- K.-I. Nishikawa u. a.
Magnetic Field Generation in Core-Sheath Jets via the Kinetic Kelvin-Helmholtz Instability.
The astrophysical journal, 793(1):60, and PUBDB-2015-00385, arXiv:1405.5247.
 doi: 10.1088/0004-637X/793/1/60.

Pierre Auger Collaboration.

A Targeted Search for Point Sources of EeV Neutrons.

The astrophysical journal / 2, 789(2):L34, and PUBDB-2015-00563, FERMILAB-PUB-14-192-AD-AE-CD-TD; arXiv:1406.4038.

doi: 10.1088/2041-8205/789/2/L34.

A. Letessier-Selvon und J. Knapp.

Highlights from the Pierre Auger Observatory.

5. 33rd International Cosmic Ray Conference, Rio de Janeiro (Brazil), 07/02/2013 - 07/09/2013.

Springer New York, New York, NY, Juli 2014.

doi: 10.1007/s13538-014-0218-6.

Pierre Auger Collaboration.

Origin of Atmospheric Aerosols at the Pierre Auger Observatory Using Studies of Air Mass Trajectories in South America.

Atmospheric research, 149:120, and PUBDB-2015-00600, arXiv:1405.7551.

doi: 10.1016/j.atmosres.2014.05.021.

Pierre Auger Collaboration.

Probing the radio emission from air showers with polarization measurements.

Physical review / D, 89(5):052002, and PUBDB-2014-03730, arXiv:1402.3677.

doi: 10.1103/PhysRevD.89.052002.

S. Pita u. a.

Spectroscopy of High-Energy BL Lacertae Objects with X-Shooter on the VLT.

Astronomy and astrophysics, 565:A12, and PUBDB-2015-01209, arXiv:1311.3809.

doi: 10.1051/0004-6361/201323071.

R. Preece u. a.

The First Pulse of the Extremely Bright GRB 130427A: A Test Lab for Synchrotron Shocks.

Science, 343(6166):51, and DESY-2014-00780.

doi: 10.1126/science.1242302.

V. V. Prosin u. a.

Tunka-133: Results of 3 Year Operation.

4th Roma International Conference on Astroparticle Physics, Roma (Italy), 05/22/2013 - 05/24/2013.

North-Holland Publ. Co., Amsterdam, Mai 2014.

doi: 0.1016/j.nima.2013.09.018.

V. V. Prosin u. a.

Tunka-133: Results of 3 year operation.

Nuclear instruments & methods in physics research / A, 756:94, and DESY-2014-00904.

doi: 10.1016/j.nima.2013.09.018.

P. Schellart u. a.

Polarized radio emission from extensive air showers measured with LOFAR.

Journal of cosmology and astroparticle physics, 2014(10):014, and PUBDB-2014-03840, arXiv:1406.1355.

doi: 10.1088/1475-7516/2014/10/014.

A. Schulz u. a.

Systematic search for high-energy gamma-ray emission from bow shocks of runaway stars.

Astronomy and astrophysics, 565:A95, and PUBDB-2014-04514, arXiv:1404.4059.

doi: 10.1051/0004-6361/201423468.

C. Spiering.

High-Energy Neutrino Astronomy: a Glimpse of the Promised Land.

Uspechi fiziceskich nauk, 184(5):510, and PUBDB-2015-01196.

doi: 10.3367/UFNr.0184.201405e.0510.

M. Tluczykont u. a.

The HiSCORE concept for gamma-ray and cosmic-ray astrophysics beyond 10TeV.

Astroparticle physics, 56:42, and DESY-2014-03032, arXiv:1403.5688.

doi: 10.1016/j.astropartphys.2014.03.004.

VERITAS Collaboration.

Investigating Broadband Variability of the TeV Blazar 1ES 1959+650.

The astrophysical journal, 797(2):89, and PUBDB-2015-01101, arXiv:1412.1031.

doi: 10.1088/0004-637X/797/2/89.

VERITAS Collaboration and Fermi LAT Collaboration.

DEEP BROADBAND OBSERVATIONS OF THE DISTANT GAMMA-RAY BLAZAR PKS 1424+240.

The astrophysical journal / 2, 785(1):L16, and DESY-2014-03042, arXiv:1403.4308.

doi: 10.1088/2041-8205/785/1/L16.

VERITAS Collaboration and H. E. S. S. Collaboration.

Long-Term TeV and X-Ray Observations of the Gamma-Ray Binary HESS J0632+057.

The astrophysical journal, 780(168):1, and DESY-2014-00768.

doi: 10.1088/0004-637X/780/2/168.

M. Walter, C. Spiering und J. Knapp.

100 Years of Cosmic Rays: The Anniversary of their Discovery by V.F. Hess.

Astroparticle physics, 53:1, and PUBDB-2015-00601.

doi: 10.1016/j.astropartphys.2013.10.006.

3 | POF2-540 - Forschung mit Photonen

F. Abicht u. a.

Tracing ultrafast dynamics of strong fields at plasma-vacuum interfaces with longitudinal proton probing.

Applied physics letters, 105(3):034101, and DESY-2014-03057.

doi: 10.1063/1.4891167.

M. Adamech u. a.

Formation of less-known structurally complex ζ_b and orthorhombic quasicrystalline approximant ϵ_n on solidification of selected Al-Pd-Cr alloys.

Materials characterization, 97:189, and PUBDB-2014-04331.

doi: 10.1016/j.matchar.2014.10.001.

I. Agapov u. a.

OCELOT: A software framework for synchrotron light source and FEL studies.

Nuclear instruments & methods in physics research / A, 768:151, and PUBDB-2014-04338.

doi: 10.1016/j.nima.2014.09.057.

M. Alfeld u. a.

Non-negative factor analysis supporting the interpretation of elemental distribution images acquired by XRF.

Journal of physics / Conference Series, 499:012013, and DESY-2014-02565.

doi: 10.1088/1742-6596/499/1/012013.

E. Allaria u. a.

Control of the Polarization of a Vacuum-Ultraviolet, High-Gain, Free-Electron Laser.

Physical review / X, 4(4):041040, and PUBDB-2014-04427.

doi: 10.1103/PhysRevX.4.041040.

M. Almási u. a.

Structure and Magnetic Properties of Three-Dimensional Gadolinium-Based Hybrid Framework.

Acta physica Polonica / A, 126(1):308, and PUBDB-2014-04326.

doi: 10.12693/APhysPolA.126.308.

A. Cianchi und J. Osterhoff.

Summary of the Working Group 5: Plasma sources and instrumentation.

1st European Advanced Accelerator Concepts Workshop, La Biodola, Isola d'Elba (Italy), 06/02/2013 - 06/07/2013.

North-Holland Publ. Co., Amsterdam, Juni 2014.

doi: 10.1016/j.nima.2014.01.036.

D. Andrault u. a.

Phase diagram and P-V-T equation of state of Al-bearing seifertite at lowermost mantle conditions.

American mineralogist, 99(10):2035, and PUBDB-2014-03711.

doi: 10.2138/am-2014-4697.

J. Andreasson u. a.

Automated identification and classification of single particle serial femtosecond X-ray diffraction data.

Optics express, 22(3):2497, and DESY-2014-02798.

doi: 10.1364/OE.22.002497.

V. Asgekar u. a.

Interference effects in super-radiant THz sources.

Infrared physics & technology, 64:26, and DESY-2014-01914.

doi: 10.1016/j.infrared.2014.01.009.

T. C. Asmara u. a.

Large spectral weight transfer in optical conductivity of $SrTiO_3$ induced by intrinsic vacancies.

Journal of applied physics, 115(21):213706, and PUBDB-2014-03568.

doi: 10.1063/1.4878675.

T. C. Asmara u. a.

Mechanisms of charge transfer and redistribution in $LaAlO_3/SrTiO_3$ revealed by high-energy optical conductivity.

Nature Communications, 5:3663, and DESY-2014-02620.

doi: 10.1038/ncomms4663.

R. Assmann u. a.

Proton-driven plasma wakefield acceleration: a path to the future of high-energy particle physics.

Plasma physics and controlled fusion, 56(8):084013, and PUBDB-2014-04590, arXiv:1401.4823.

doi: 10.1088/0741-3335/56/8/084013.

V. Balandin u. a.

First non-intercepting emittance measurement by means of optical diffraction radiation interference.

New journal of physics, 16(11):113029, and PUBDB-2014-04102.

doi: 10.1088/1367-2630/16/11/113029.

A. Barty u. a.

Cheetah : software for high-throughput reduction and analysis of serial femtosecond X-ray diffraction data.

Journal of applied crystallography, 47(3):1118, and DESY-2014-02801.

doi: 10.1107/S1600576714007626.

- H. A. Bechtel u. a.
Stardust Interstellar Preliminary Examination III: Infrared Spectroscopic Analysis of Interstellar Dust Candidates.
Meteoritics & planetary science, 49(9):1548, and PUBDB-2015-01243.
doi: 10.1111/maps.12125.
- T. Beirau u. a.
Temperature-induced P21/c to C2/c phase transition in partially amorphous (METAMICT) titanite revealed by Raman spectroscopy.
The Canadian mineralogist, 52(1):91, and PUBDB-2014-04231, BMBF-Projekt 05K13GU1.
doi: 10.3749/canmin.52.1.91.
- G. Benecke u. a.
A Customizable Software for Fast Reduction and Analysis of Large X-Ray Scattering Data Sets: Applications of the New DPDAK Package to Small-Angle X-Ray Scattering and Grazing-Incidence Small-Angle X-Ray scattering.
Journal of applied crystallography, 47(5):1797, and PUBDB-2015-01116.
doi: 10.1107/S1600576714019773.
- N. Berrah u. a.
Emerging photon technologies for probing ultrafast molecular dynamics.
Faraday discussions, 171:471, and PUBDB-2014-04316.
doi: 10.1039/C4FD00015C.
- D. Bessas u. a.
Nuclear Forward Scattering of Synchrotron Radiation by 99Ru.
Physical review letters, 113(14):147601, and PUBDB-2015-01281.
doi: 10.1103/PhysRevLett.113.147601.
- R. Bhattacharya u. a.
A new microscopic insight into membrane penetration and reorganization by PETIM dendrimers.
Soft matter, 10(38):7577, and DESY-2014-03235.
doi: 10.1039/C4SM01112K.
- N. Bindzus u. a.
Experimental determination of core electron deformation in diamond.
Acta crystallographica / A, 70:39, and DESY-2014-01473.
doi: 10.1107/S2053273313026600.
- A. BLANKE u. a.
Mandibles with two joints evolved much earlier in the history of insects: dicondylly is a synapomorphy of bristletails, silverfish and winged insects.
Systematic entomology, n/a:n/a, and PUBDB-2014-04154.
doi: 10.1111/syen.12107.
- A. Blanke u. a.
Head morphology of *Tricholepidion gertschi* indicates monophyletic Zygentoma.
Frontiers in zoology, 11(1):16, and DESY-2014-02381.
doi: 10.1186/1742-9994-11-16.
- L. Bocklage u. a.
Spin waves and domain wall modes in curved magnetic nanowires.
Journal of physics / Condensed matter, 26(26):266003, and DESY-2014-02836.
doi: 10.1088/0953-8984/26/26/266003.
- U. Boesenberg u. a.
Asymmetric pathways in the electrochemical conversion reaction of NiO as battery electrode with high storage capacity.
Scientific reports, 4:7133, and PUBDB-2014-04149.
doi: 10.1038/srep07133.
- R. Boll u. a.
Imaging Molecular Structure through Femtosecond Photoelectron Diffraction on Aligned and Oriented Gas-Phase Molecules.
Faraday discussions, 171:57, and PUBDB-2015-01134.
doi: 10.1039/C4FD00037D.
- M. Borchert u. a.
Strontium complexation in aqueous solutions and silicate glasses: Insights from high energy-resolution fluorescence detection X-ray spectroscopy and ab-initio modeling.
Geochimica et cosmochimica acta, 142:535, and PUBDB-2014-03485.
doi: 10.1016/j.gca.2014.07.010.
- U. Bösenberg u. a.
Characterization of metal hydrides by in-situ XRD.
International journal of hydrogen energy, 39(18):9899, and DESY-2014-03076.
doi: 10.1016/j.ijhydene.2014.02.068.
- F. E. Brenker u. a.
Stardust Interstellar Preliminary Examination V: XRF Analyses of Interstellar Dust Candidates at ESRF ID13.
Meteoritics & planetary science, 49(9):1594, and PUBDB-2015-01245.
doi: 10.1111/maps.12206.
- M. Brennich u. a.
Impact of ion valency on the assembly of vimentin studied by quantitative small angle X-ray scattering.
Soft matter, 10:2059, and PUBDB-2014-04262.
doi: 10.1039/C3SM52532E.
- R. Brinkmann u. a.
Prospects for CW and LP Operation of the European XFEL in Hard X-ray Regime.
Nuclear instruments & methods in physics research / A, 768:20, and PUBDB-2014-03854, DESY 14-025.
doi: 10.1016/j.nima.2014.09.039.
- C. R. D. Brown u. a.
Evidence for a glassy state in strongly driven carbon.
Scientific reports, 4:5214, and PUBDB-2015-01022.
doi: 10.1038/srep05214.
- H. Brueck u. a.
First Results of the Magnetic Measurements of the Superconducting Magnets for the European XFEL.
IEEE transactions on applied superconductivity, 24(3):1, and PUBDB-2015-01319.
doi: 10.1109/TASC.2013.2284197.

- D. Budnitsky u. a.
Chromium-Compensated GaAs Detector Material and Sensors.
Journal of Instrumentation, 9(07):C07011, and PUBDB-2015-01189.
doi: 10.1088/1748-0221/9/07/C07011.
- A. L. Butterworth u. a.
Stardust Interstellar Preliminary Examination IV: Scanning transmission X-ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector.
Meteoritics & planetary science, 49(9):1562, and PUBDB-2015-01244.
doi: 10.1111/maps.12220.
- A.-L. Calendron, H. Çankaya und F. Kaertner.
High-energy kHz Yb:KYW dual-crystal regenerative amplifier.
Optics express, 22(20):24752, and PUBDB-2014-03710.
doi: 10.1364/OE.22.024752.
- P. Calka u. a.
Engineering of the Chemical Reactivity of the Ti/HfO_2 Interface for RRAM: Experiment and Theory.
ACS applied materials & interfaces, 6(7):5056, and DESY-2014-02600.
doi: 10.1021/am500137y.
- P. T. Callahan u. a.
Fiber-coupled balanced optical cross-correlator using PPKTP waveguides.
Optics express, 22(8):9749, and DESY-2014-02630.
doi: 10.1364/OE.22.009749.
- G. Campi u. a.
Imaging Spatial Ordering of the Oxygen Chains in $YBa_2Cu_3O_{6+y}$ at the Insulator-to-Metal Transition.
Journal of superconductivity and novel magnetism, 27(4):987, and PUBDB-2015-01157.
doi: 10.1007/s10948-013-2434-7.
- F. Canbaz u. a.
Highly efficient and robust operation of Kerr-lens mode-locked Cr:LiSAF lasers using gain-matched output couplers.
Optics letters, 39(2):327, and DESY-2014-01465.
doi: 10.1364/OL.39.000327.
- H. Cankaya u. a.
Highly efficient broadband sum-frequency generation in the visible wavelength range.
Optics letters, 39(10):2912, and DESY-2014-03067.
doi: 10.1364/OL.39.002912.
- S. Carbajo u. a.
Efficient generation of ultra-intense few-cycle radially polarized laser pulses.
Optics letters, 39(8):2487, and DESY-2014-02623.
doi: 10.1364/OL.39.002487.
- C. Caspers u. a.
“Conductive” yttria-stabilized zirconia as an epitaxial template for oxide heterostructures.
Journal of applied physics, 115:17C111, and DESY-2014-01759.
doi: 10.1063/1.4863803.
- I. Černíčková u. a.
Fine structure of phases of ϵ -family in $Al_{73.8}Pd_{11.9}Co_{14.3}$ alloy.
Journal of alloys and compounds, 609:73, and PUBDB-2014-04321.
doi: 10.1016/j.jallcom.2014.04.044.
- A. Cernok u. a.
Pressure-induced phase transitions in coesite.
American mineralogist, 99(4):755, and DESY-2014-02506.
doi: 10.2138/am.2014.4585.
- A. Černok u. a.
High-pressure crystal chemistry of coesite-I and its transition to coesite-II.
Zeitschrift für Kristallographie / Crystalline materials, 229(11):761, and PUBDB-2014-04268.
doi: 10.1515/zkri-2014-1763.
- H. Chadwick u. a.
The collisional depolarization of $OH(A\ 2\Sigma^+)$ and $NO(A\ 2\Sigma^+)$ with Kr.
The journal of chemical physics, 140(5):054306, and DESY-2014-02247.
doi: 10.1063/1.4863446.
- A. N. Chaika u. a.
Rotated Domain Network in Graphene on Cubic-SiC(001).
Nanotechnology, 25(13):135605, and PUBDB-2015-01271.
doi: 10.1088/0957-4484/25/13/135605.
- Y.-P. Chang u. a.
CMistark: Python package for the Stark-effect calculation and symmetry classification of linear, symmetric and asymmetric top wavefunctions in dc electric fields.
Computer physics communications, 185(1):339, and DESY-2013-01308.
doi: 10.1016/j.cpc.2013.09.001.
- H. N. Chapman, C. Coleman und N. Timneanu.
Diffraction before destruction.
Philosophical transactions of the Royal Society of London / B, 369(1647):20130313, and DESY-2014-02888.
doi: 10.1098/rstb.2013.0313.
- H. N. Chapman.
Disruptive Photon Technologies for Chemical Dynamics.
Faraday discussions, 171:525, and PUBDB-2015-01265.
doi: 10.1039/C4FD00156G.
- H. N. Chapman u. a.
Nanoscale and Bio Imaging: General Discussion.
Faraday discussions, 171:419, and PUBDB-2015-01050.
doi: 10.1039/C4FD90016B.
- H. Chapman u. a.
Chemical Reaction Dynamics II and Correlated Systems, Surfaces and Catalysis: General Discussion.
Faraday discussions, 171:323, and PUBDB-2015-01051.
doi: 10.1039/C4FD90015D.
- A. S. Chatterley, J. R. R. Verlet und D. Horke.
Effects of resonant excitation, pulse duration and intensity on photoelectron imaging of a dianion.
Physical chemistry, chemical physics, 16(2):489, and PUBDB-2014-04236.
doi: 10.1039/c3cp53235f.

- S. Chaturvedi u. a.
Probing bismuth ferrite nanoparticles by hard X-ray photoemission: Anomalous occurrence of metallic bismuth.
Applied physics letters, 105(10):102910, and PUBDB-2014-03799.
doi: 10.1063/1.4895672.
- Y.-J. Chen u. a.
Dynamics of fluctuations in a quantum system.
Physical review / A, 89(5):052113, and DESY-2014-02738.
doi: 10.1103/PhysRevA.89.052113.
- J.-Y. Chen u. a.
Solidification and fcc to metastable hcp phase transition in krypton under variable compression rates.
Physical review / B, 90(14):144104, and PUBDB-2014-03864.
doi: 10.1103/PhysRevB.90.144104.
- J.-Y. Chen u. a.
Time-resolved x-ray diffraction across water-ice-VI/VII transformations using the dynamic -DAC.
14. 18th APS-SCCM und 24th AIRAPT Joint Conference, 7–12 July 2013, Seattle, Washington, Washington (USA). IOP Publ., Bristol, 2014.
doi: 10.1088/1742-6596/500/14/142006.
- Y.-J. Cheng u. a.
From Spherical Mesopores to Worm-Shaped Mesopores: Morphology Transition in Titania-Polystyrene- b -poly(ethylene oxide) Composite Films with Increasing Sol-Gel Reaction Time.
European journal of inorganic chemistry, 2014(5):836, and PUBDB-2015-01237.
doi: 10.1002/ejic.201301251.
- S.-H. Chia u. a.
Broadband continuum generation in mode-locked lasers with phase-matched output couplers.
Optics letters, 39(6):1445, and DESY-2014-02318.
doi: 10.1364/OL.39.001445.
- A. I. Chumakov u. a.
Performance of a silicon monochromator under high heat load.
Journal of synchrotron radiation, 21(2):315, and DESY-2014-02135.
doi: 10.1107/S1600577513033158.
- A. D. Crisan u. a.
In situ monitoring of disorder-order A1-L1₀ FePt phase transformation in nanocomposite FePt-based alloys.
Journal of alloys and compounds, 615:188, and PUBDB-2014-04324.
doi: 10.1016/j.jallcom.2014.03.081.
- M. Czyzycki, P. Wrobel und M. Lankosz.
Confocal X-ray Fluorescence Micro-Spectroscopy Experiment in Tilted Geometry.
Spectrochimica acta / B, 97:99, and PUBDB-2015-01289.
doi: 10.1016/j.sab.2014.05.007.
- H. Dachraoui u. a.
Mapping spin-orbit activated interchannel coupling.
epl, 106(1):13001, and DESY-2014-02567.
doi: 10.1209/0295-5075/106/13001.
- V. De Andrade u. a.
Retrieving past geodynamic events by unlocking rock archives with μ -XRF and μ -spectroscopy.
Journal of physics / Conference Series, 499:012012, and DESY-2014-02564.
doi: 10.1088/1742-6596/499/1/012012.
- A. Debnarova, S. Techert und S. Schmatz.
Contribution of Coulomb Explosion to Form Factors and Mosaicity Spread in Single Particle X-Ray Scattering.
Physical chemistry, chemical physics, 16:792, and PUBDB-2015-01183.
doi: 10.1039/c3cp54011a.
- D. Deruytter u. a.
The Combined Effect of Dissolved Organic Carbon and Salinity on the Bioaccumulation of Copper in Marine Mussel Larvae.
Environmental science & technology, 48(1):698, and DESY-2014-02180.
doi: 10.1021/es4024699.
- A.-C. Dippel u. a.
Synchrotron Powder Diffraction at P02.1 at PETRA III: From Electron Density Distributions to in situ Total Scattering.
Zeitschrift für anorganische und allgemeine Chemie, 640(15):3094, and PUBDB-2014-03856.
doi: 10.1002/zaac.201400203.
- B. Dittrich u. a.
Aspherical-Atom modeling of coordination compounds by single-crystal X-ray diffraction allows the correct metal atom to be identified.
ChemPhysChem, 16(2):412, and PUBDB-2014-04074.
doi: 10.1002/cphc.201402600.
- G. Dixit und R. Santra.
Imaging ultrafast electronic motion by x-ray scattering.
Journal of physics / Conference Series, 488(1):012009, and DESY-2014-02588.
doi: 10.1088/1742-6596/488/1/012009.
- G. Dixit, J. M. Slowik und R. Santra.
Theory of time-resolved nonresonant x-ray scattering for imaging ultrafast coherent electron motion.
Physical review / A, 89(4):043409, and DESY-2014-02603.
doi: 10.1103/PhysRevA.89.043409.
- C. Dong u. a.
Advances on Ultrafast Silicon Field Emitter Array Photocathodes for Coherent Radiation Sources Based on Inverse Compton Scattering.
14th International Conference on Micro, Nanotechnology for Power Generation und Energy Conversion Applications, Awa-ji Island, Hyogo (Japan), 11/18/2014 - 11/21/2014. IOP Publ., Bristol, Nov. 2014.
doi: 10.1088/1742-6596/557/1/012055.
- J. Y. Drees u. a.
Hour-glass magnetic excitations induced by nanoscopic phase separation in cobalt oxides.
Nature Communications, 5:5731, and PUBDB-2014-04163.
doi: 10.1038/ncomms6731.

- S. Duesterer u. a.
Development of experimental techniques for the characterization of ultrashort photon pulses of extreme ultraviolet free-electron lasers.
Physical review / Special topics / Accelerators and beams, 17(12):120702, and PUBDB-2014-04594.
 doi: 10.1103/PhysRevSTAB.17.120702.
- A. Düvel u. a.
Mechanosynthesis of the Fast Fluoride Ion Conductor $Ba_{1-x}La_xF_{2+x}$: From the Fluorite to the Tysonite Structure.
The journal of physical chemistry / C, 118(13):7117, and DESY-2014-02319.
 doi: 10.1021/jp410018t.
- D. Dzhigaev u. a.
Ptychographical imaging of the phase vortices in the x-ray beam formed by nanofocusing lenses.
Journal of physics / Conference Series, 499:012020, and DESY-2014-02566.
 doi: 10.1088/1742-6596/499/1/012020.
- B. Elgh u. a.
Controlling Morphology, Mesoporosity, Crystallinity, and Photocatalytic activity of ordered Mesoporous TiO_2 films prepared at low temperature.
APL materials, 2(11):113313, and PUBDB-2015-01009.
 doi: 10.1063/1.4899117.
- B. Erk u. a.
Imaging charge transfer in iodomethane upon x-ray photoabsorption.
Science, 345(6194):288, and DESY-2014-03049.
 doi: 10.1126/science.1253607.
- K. Eusterhues u. a.
Reduction of Ferrihydrite with Adsorbed and Coprecipitated Organic Matter: Microbial Reduction by *Geobacter* *Bremensis* vs. Abiotic Reduction by Na-Dithionite.
Biogeosciences, 11(18):4953, and PUBDB-2015-00448.
 doi: 10.5194/bg-11-4953-2014.
- G. Falkenberg und C. Schroer.
22nd International Congress on X-Ray Optics and Microanalysis.
Journal of physics / Conference Series, 499:011001, and PUBDB-2015-00988.
 doi: 10.1088/1742-6596/499/1/011001.
- A. Fallahi und F. Kärtner.
Field-based DGTD/PIC technique for general and stable simulation of interaction between light and electron bunches.
Journal of physics / B, 47(23):234015, and PUBDB-2014-04261.
 doi: 10.1088/0953-4075/47/23/234015.
- L. Fang u. a.
Probing Ultrafast Electronic and Molecular Dynamics with Free-Electron Lasers.
Journal of physics / B, 47(12):124006, and PUBDB-2015-01256.
 doi: 10.1088/0953-4075/47/12/124006.
- M. Ferrario u. a.
IRIDE: Interdisciplinary Research Infrastructure Based on Dual Electron Linacs and Lasers.
Nuclear instruments & methods in physics research / A, 740:138, and PUBDB-2015-01259.
 doi: 10.1016/j.nima.2013.11.040.
- G. Fischer u. a.
Analysis of stress gradients in physical vapour deposition multilayers by X-ray diffraction at fixed depth intervals.
Journal of applied crystallography, 47(1):335, and PUBDB-2014-03878.
 doi: 10.1107/S1600576713030951.
- G. J. Flynn u. a.
Stardust Interstellar Preliminary Examination VII: Synchrotron X-ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2-ID-D microprobe.
Meteoritics & planetary science, 49(9):1626, and PUBDB-2015-01247.
 doi: 10.1111/maps.12144.
- A. Fognini u. a.
The role of space charge in spin-resolved photoemission experiments.
New journal of physics, 16(4):043031, and DESY-2014-02940.
 doi: 10.1088/1367-2630/16/4/043031.
- A. Fognini u. a.
Ultrafast reduction of the total magnetization in iron.
Applied physics letters, 104(3):032402, and DESY-2014-02412.
 doi: 10.1063/1.4862476.
- A. Föhlisch u. a.
Comment on "A State-Dependent Electron Delocalization Dynamics at the Solute-Solvent Interface: Soft-X-ray Absorption Spectroscopy and Ab Initio Calculations".
Physical review letters, 112(12):129302, and PUBDB-2015-01186.
 doi: 10.1103/PhysRevLett.112.129302.
- P. Fons u. a.
Picosecond strain Dynamics in $Ge_2Sb_2Te_5$ monitored by time-resolved X-ray Diffraction.
Physical review / B, 90(9):094305, and PUBDB-2015-01033, arXiv:1409.6888.
 doi: 10.1103/PhysRevB.90.094305.
- C. Frank u. a.
Analysis of Island Shape Evolution from Diffuse x-ray Scattering of Organic Thin Films and Implications for Growth.
Physical review / B, 90(20):205401, and PUBDB-2015-00222, arXiv:1410.5727.
 doi: 10.1103/PhysRevB.90.205401.
- D. R. Frank u. a.
Stardust Interstellar Preliminary Examination II: Curating the Interstellar Dust Collector, Picokeystones, and Sources of Impact Tracks.
Meteoritics & planetary science, 49(9):1522, and PUBDB-

2015-01241.

doi: 10.1111/maps.12147.

A. Friedrich u. a.

Pressure-induced spin collapse of octahedrally coordinated Fe^{3+} in $\text{Ca}_3\text{Fe}_2[\text{SiO}_4]_3$ from experiment and theory.

Physical review / B, 90(9):094105, and PUBDB-2014-04208.

doi: 10.1103/PhysRevB.90.094105.

L. Fu u. a.

Stretching Temperature and Direction Dependency of Uniaxial Deformation Mechanism in Overstretched Polyethylene.

Journal of polymer science / B, 52(10):716, and PUBDB-2015-01168.

doi: 10.1002/polb.23474.

S. Gabáni u. a.

Investigation of Mixed Valence State of $\text{Sm}_{1-x}\text{B}_6$ and $\text{Sm}_{1-x}\text{La}_x\text{B}_6$ by XANES.

Acta physica Polonica / A, 126(1):338, and PUBDB-2014-04325.

doi: 10.12693/APhysPolA.126.338.

Z. Gainsforth u. a.

Stardust Interstellar Preliminary Examination VIII: Identification of Crystalline Material in Two Interstellar Candidates.

Meteoritics & planetary science, 49(9):1645, and PUBDB-2015-01248.

doi: 10.1111/maps.12148.

W. M. Gan u. a.

Microstructures and mechanical properties of pure Mg processed by rotary swaging.

Materials and design, 63:83, and DESY-2014-02939.

doi: 10.1016/j.matdes.2014.05.057.

J. Garrevoet u. a.

Methodology toward 3D Micro X-ray Fluorescence Imaging Using an Energy Dispersive Charge-Coupled Device Detector.

Analytical chemistry, 86(23):11826, and PUBDB-2015-00017.

doi: 10.1021/ac503410s.

G. D. Gatta u. a.

Elastic Behaviour and Phase Stability of Pyrophyllite and Talc at High Pressure and Temperature.

Physics and chemistry of minerals, 42(4):309, and PUBDB-2014-04314.

doi: 10.1007/s00269-014-0721-x.

G. D. Gatta u. a.

Elastic behavior and pressure-induced structure evolution of topaz up to 45 GPa.

Physics and chemistry of minerals, 41(8):569, and DESY-2014-02595.

doi: 10.1007/s00269-014-0670-4.

J. Gaudin u. a.

Towards simultaneous measurements of electronic and structural properties in ultra-fast x-ray free electron laser absorption spectroscopy experiments.

Scientific reports, 4:4724, and PUBDB-2014-04023.

doi: 10.1038/srep04724.

P. Gębara u. a.

Effect of Al content on the order of phase transition and magnetic entropy change in $\text{LaFe}_{11}\text{Co}_{0.8}(\text{Si}_{1-x}\text{Al}_x)_{1.2}$ alloys.

Journal of magnetism and magnetic materials, 372:201, and PUBDB-2014-04323.

doi: 10.1016/j.jmmm.2014.07.053.

N. Gerken u. a.

Time-Dependent Multiphoton Ionization of Xenon in the Soft-X-Ray Regime.

Physical review letters, 112(21):213002, and DESY-2014-03781.

doi: 10.1103/PhysRevLett.112.213002.

K. Giewekemeyer u. a.

High-dynamic-range coherent diffractive imaging: ptychography using the mixed-mode pixel array detector.

Journal of synchrotron radiation, 21(5):1, and DESY-2014-03127.

doi: 10.1107/S1600577514013411.

K. Glazyrin u. a.

Magnesium Silicate Perovskite and Effect of Iron Oxidation State on its Bulk Sound Velocity at the Conditions of the Lower Mantle.

Earth and planetary science letters, 393:182, and PUBDB-2015-01278.

doi: 10.1016/j.epsl.2014.01.056.

H.-W. Glock u. a.

Scattering parameters of the 3.9 GHz accelerating module in a free-electron laser linac: a rigorous comparison between simulations and measurements.

Physical review / Special topics / Accelerators and beams, 17(2):022003, and PUBDB-2014-04145.

doi: 10.1103/PhysRevSTAB.17.022003.

D. A. Gollmer u. a.

Fabrication and Characterization of Combined Metallic Nanogratings and ITO Electrodes for Organic Photovoltaic Cells.

Microelectronic engineering, 119:122, and PUBDB-2015-00221.

doi: 10.1016/j.mee.2014.03.042.

L. F. Gomez u. a.

Shapes and Vorticities of Superfluid Helium Nanodroplets.

Science, 345(6199):906, and PUBDB-2015-01228.

doi: 10.1126/science.1252395.

S. A. Gorbunov u. a.

Excitation and relaxation of olivine after swift heavy ion impact.

Nuclear instruments & methods in physics research / B, 326:163, and DESY-2014-02971.

doi: 10.1016/j.nimb.2013.09.028.

H. Gou u. a.

Peierls distortion, magnetism, and high hardness of manganese tetraboride.

Physical review / B, 89(6):064108, and DESY-2014-02202.

doi: 10.1103/PhysRevB.89.064108.

- N. Graupner u. a.
Using synchrotron-radiation based micro-computertomography (SR μ -CT) for the measurement of fibre orientations in cellulose fibre reinforced polylactide (PLA) composites.
Journal of materials science, 49(1):450, and DESY-2014-01051.
 doi: 10.1007/s10853-013-7724-8.
- W. S. Graves u. a.
Compact x-ray source based on burst-mode inverse Compton scattering at 100 kHz.
Physical review / Special topics / Accelerators and beams, 17(12):120701, and PUBDB-2014-04439, arXiv:1409.6954.
 doi: 10.1103/PhysRevSTAB.17.120701.
- J. Grebenyuk u. a.
Beam-driven plasma-based acceleration of electrons with density down-ramp injection at FLASHForward.
 First European Advanced Accelerator Concepts Workshop 2013- Proceedings, La Biodola, Isola d'Elba (Italy), 06/02/2013 - 06/07/2013.
 North-Holland Publ. Co., Amsterdam, Juni 2014.
 doi: 10.1016/j.nima.2013.10.054.
- D. Greiffenberg u. a.
Towards AGIPD1.0: Optimization of the Dynamic Range and Investigation of a Pixel Input Protection.
Journal of Instrumentation, 9(06):P06001, and PUBDB-2015-01201.
 doi: 10.1088/1748-0221/9/06/P06001.
- J.-C. Grivel u. a.
Preparation and Characterization of $Mg_{1-x}B_2$ Bulk Samples and Cu/Nb Sheathed Wires with Low Grade Amorphous Boron Powder.
Journal of superconductivity and novel magnetism, 27(2):497, and DESY-2014-01870.
 doi: 10.1007/s10948-013-2293-2.
- J.-C. Grivel u. a.
Thermal Decomposition of yttrium(III) Valerate in Argon.
Journal of analytical and applied pyrolysis, 106:125, and PUBDB-2015-01279.
 doi: 10.1016/j.jaap.2014.01.009.
- W. Grünert u. a.
How Different Characterization Techniques Elucidate the Nature of the Gold Species in a Polycrystalline Au/TiO_2 Catalyst.
Chemie - Ingenieur - Technik, 86(11):1883, and PUBDB-2015-01032.
 doi: 10.1002/cite.201400039.
- W. Grünert u. a.
Tieftemperatur-CO-Oxidation mit Au^{3+} -Ionen auf TiO_2 .
Angewandte Chemie / International edition, 126(12):3309, and PUBDB-2015-01031.
 doi: 10.1002/ange.201308206.
- T. Grzyb u. a.
Revised crystal structure and luminescent properties of gadolinium oxyfluoride $Gd_4O_3F_6$ doped with Eu^{3+} ions.
Dalton transactions, 43(18):6925, and DESY-2014-02669.
 doi: 10.1039/c4dt00338a.
- S. Guo u. a.
First Step into Space: Performance and Morphological Evolution of P3HT:PCBM Bulk Heterojunction Solar Cells under AM0 Illumination.
ACS applied materials & interfaces, 6(20):17902, and PUBDB-2015-01004.
 doi: 10.1021/am504608p.
- S. Guo u. a.
Influence of Solvent and Solvent Additive on the Morphology of PTB7 Films Probed via X-ray Scattering.
The journal of physical chemistry / B, 118(1):344, and PUBDB-2015-01003.
 doi: 10.1021/jp410075a.
- J. Gustafson u. a.
High-Energy Surface X-ray Diffraction for Fast Surface Structure Determination.
Science, 343(6172):758, and DESY-2014-02279.
 doi: 10.1126/science.1246834.
- K. M. O. Håkansson u. a.
Hydrodynamic alignment and assembly of nanofibrils resulting in strong cellulose filaments.
Nature Communications, 5:4018, and PUBDB-2014-03438.
 doi: 10.1038/ncomms5018.
- M. F. Hantke u. a.
High-Throughput Imaging of Heterogeneous Cell Organelles with an X-ray Laser.
Nature photonics, 8(12):943, and PUBDB-2015-01224.
 doi: 10.1038/nphoton.2014.270.
- E. Heinrich-Josties, S. Pabst und R. Santra.
Controlling the $2p$ hole alignment in neon via the $2s$ - $3p$ Fano resonance.
Physical review / A, 89(4):043415, and DESY-2014-02638.
 doi: 10.1103/PhysRevA.89.043415.
- J. Hellmich u. a.
Native-like Photosystem II Superstructure at 2.44 Å Resolution through Detergent Extraction from the Protein Crystal.
Structure, 22(11):1607, and PUBDB-2014-03951.
 doi: 10.1016/j.str.2014.09.007.
- W. Helml u. a.
Measuring the temporal structure of few-femtosecond free-electron laser X-ray pulses directly in the time domain.
Nature photonics, 8(12):950, and PUBDB-2015-01020.
 doi: 10.1038/nphoton.2014.278.
- R. Hernández u. a.
Slow dynamics of nanocomposite polymer aerogels as revealed by X-ray photocorrelation spectroscopy (XPCS).
The journal of chemical physics, 140(2):024909, and DESY-2014-01066.
 doi: 10.1063/1.4861043.
- V. Hilbert u. a.
Spatio-temporal coherence of free-electron laser radiation in the extreme ultraviolet determined by a Michelson interferometer.
Applied physics letters, 105(10):101102, and PUBDB-2014-03442.
 doi: 10.1063/1.4895455.

- S. Hillenbrand u. a.
Study of Laser Wakefield Accelerators as injectors for Synchrotron light sources.
Nuclear instruments & methods in physics research / A, 740:153, and PUBDB-2015-00711.
doi: 10.1016/j.nima.2013.10.081.
- R. G. Hobbs u. a.
High-density Au nanorod optical field-emitter arrays.
Nanotechnology, 25(46):465304, and PUBDB-2014-03993.
doi: 10.1088/0957-4484/25/46/465304.
- R. G. Hobbs u. a.
High-Yield, Ultrafast, Surface Plasmon-Enhanced, Au Nanorod Optical Field Electron Emitter Arrays.
ACS nano, 8(11):11474, and PUBDB-2014-04434.
doi: 10.1021/nn504594g.
- K. M. Hock u. a.
Beam tomography research at Daresbury Laboratory.
Nuclear instruments & methods in physics research / A, 753:38, and PUBDB-2014-04589.
doi: 10.1016/j.nima.2014.03.050.
- G. Hofmann u. a.
Ageing Effects on Exhaust Gas Catalysts: Microscopic Changes Captured by X-Ray Tomography.
Journal of Physics: Conference Series conference 1. International Congress on X-Ray Optics und Microanalysis, Hamburg (Germany), 09/02/2013 - 09/06/2013.
IOP Publ., Bristol, Sep. 2014.
doi: 10.1088/1742-6596/499/1/012017.
- K.-H. Hong u. a.
Multi-mJ, kHz, 2.1 μ m optical parametric chirped-pulse amplifier and high-flux soft x-ray high-harmonic generation.
Optics letters, 39(11):3145, and PUBDB-2015-00864.
doi: 10.1364/OL.39.003145.
- U. Hoppe u. a.
Structure of $N_2O - GeO_2 - P_2O_5$ glasses by X-ray and neutron diffraction.
Journal of non-crystalline solids, 390:59, and PUBDB-2014-04157.
doi: 10.1016/j.jnoncrysol.2014.02.013.
- D. Horke u. a.
Separating Para and Ortho Water.
Angewandte Chemie / International edition, 53(44):11965, and PUBDB-2014-04233.
doi: 10.1002/anie.201405986.
- D. Horke u. a.
Trennung von para- und ortho-Wasser.
Angewandte Chemie, 126(44):12159, and PUBDB-2014-04234.
doi: 10.1002/ange.201405986.
- W. Hornfeck u. a.
Nucleation and crystal growth in a suspension of charged colloidal silica spheres with bi-modal size distribution studied by time-resolved ultra-small-angle X-ray scattering.
The journal of chemical physics, 141(21):214906, and PUBDB-2015-00307.
doi: 10.1063/1.4902904.
- J. S. Hub u. a.
Thermodynamics of Hydronium and Hydroxide Surface Solvation.
Chemical science, 5(5):1745, and PUBDB-2015-01267.
doi: 10.1039/c3sc52862f.
- M. Hücker u. a.
Competing charge, spin, and superconducting orders in underdoped $YBa_2Cu_3O_y$.
Physical review / B, 90(5):054514, and DESY-2014-03187.
doi: 10.1103/PhysRevB.90.054514.
- J. van den Hurk u. a.
Physical origins and suppression of Ag dissolution in GeS_x -based ECM cells.
Physical chemistry, chemical physics, 16(34):18217, and DESY-2014-03240.
doi: 10.1039/C4CP01759E.
- R. J. Husband u. a.
Incommensurate-to-incommensurate phase transition in Eu metal at high pressures.
Physical review / B, 90(21):214105, and PUBDB-2014-04483.
doi: 10.1103/PhysRevB.90.214105.
- M. Ilchen u. a.
Angular Momentum Sensitive Two-Center Interference.
Physical review letters, 112(2):023001, and DESY-2014-01690.
doi: 10.1103/PhysRevLett.112.023001.
- M. Izquierdo u. a.
Laser-induced charge-disproportionated metallic state in $LaCoO_3$.
Physical review / B, 90(23):235128, and PUBDB-2015-00094.
doi: 10.1103/PhysRevB.90.235128.
- K. M. Jensen u. a.
Mechanisms for Iron Oxide Formation under Hydrothermal Conditions: An in Situ Total Scattering Study.
ACS nano, 8(10):10704, and PUBDB-2014-03855.
doi: 10.1021/nn5044096.
- P. Jónvári u. a.
Short-Range Order in Ge-As-Te Glasses.
Journal of the American Ceramic Society, 97(5):1625, and DESY-2014-03071.
doi: 10.1111/jace.12823.
- P. N. Juranić u. a.
High-precision x-ray FEL pulse arrival time measurements at SACLA by a THz streak camera with Xe clusters.
Optics express, 22(24):30004, and PUBDB-2014-04609.
doi: 10.1364/OE.22.030004.
- Z. Jurek, B. Ziaja und R. Santra.
Applicability of the classical molecular dynamics method to study x-ray irradiated molecular systems.
Journal of physics / B, 47(12):124036, and DESY-2014-02857.
doi: 10.1088/0953-4075/47/12/124036.

- I. Kaban u. a.
Atomic structure and magnetic properties of Fe–Nb–B metallic glasses.
S1. The 19th International Symposium on Metastable, Amorphous und Nanostructured Materials, Moscow (Russian Federation), 06/18/2012 - 06/22/2012.
Elsevier, Lausanne, Juni 2014.
doi: 10.1016/j.jallcom.2012.09.008.
- I. Kaban u. a.
In situ studies of temperature-dependent behaviour and crystallisation of $Ni_{36.5}Pd_{36.5}P_{27}$ metallic glass.
Supplement 1. The 20th International Symposium on Metastable, Amorphous und Nanostructured Materials, Torino (Italy), 06/30/2013 - 07/05/2013.
Elsevier, Lausanne, Juni 2014.
doi: 10.1016/j.jallcom.2013.12.259.
- H. Kaljunen, S. Panneerselvam und J. Mueller-Dieckmann.
Cloning, Overexpression, Purification and Preliminary X-Ray Analysis of the Protein Kinase Domain of Enhanced Disease Resistance 1 (EDR1) from Arabidopsis Thaliana.
Acta crystallographica / F, 70(7):959, and PUBDB-2015-01178.
doi: 10.1107/S2053230X14011844.
- A. Karamatskou u. a.
Calculation of photoelectron spectra within the time-dependent configuration-interaction singles scheme.
Physical review / A, 89(3):033415, and DESY-2014-02464.
doi: 10.1103/PhysRevA.89.033415.
- P. Karvinen u. a.
Kinoform diffractive lenses for efficient nano-focusing of hard X-rays.
Optics express, 22(14):16676, and DESY-2014-02981.
doi: 10.1364/OE.22.016676.
- M. S. Khoshkhoo u. a.
Mechanism of nanostructure formation in ball-milled Cu and Cu – 3wt% Zn studied by X-ray diffraction line profile analysis.
Journal of alloys and compounds, 588:138, and PUBDB-2014-04320.
doi: 10.1016/j.jallcom.2013.10.252.
- R. Kia u. a.
Homoleptic Tetraazaphenanthrene-Based Copper(I) Complexes: Synthesis, Spectroscopic Characterization, Crystal Structures and Computational Studies.
Inorganica chimica acta, 423:348, and PUBDB-2015-01187.
doi: 10.1016/j.ica.2014.08.052.
- T. Kierspel u. a.
Spatially separated polar samples of the cis and trans conformers of 3-fluorophenol.
Chemical physics letters, 591:130, and DESY-2014-02145.
doi: 10.1016/j.cplett.2013.11.010.
- E. Kim u. a.
Gyroid-Structured 3D ZnO Networks Made by Atomic Layer Deposition.
Advanced functional materials, 24(6):863, and DESY-2014-01761.
doi: 10.1002/adfm.201302238.
- R. Kirian u. a.
Phasing coherently illuminated nanocrystals bounded by partial unit cells.
Philosophical transactions of the Royal Society of London / B, 369(1647):20130331, and DESY-2014-02890.
doi: 10.1098/rstb.2013.0331.
- M. A. Kiselev u. a.
Influence of Ceramide on the Internal Structure and Hydration of the Phospholipid Bilayer Studied by Neutron and X-ray Scattering.
Applied physics / A, 116(1):319, and PUBDB-2015-01167.
doi: 10.1007/s00339-013-8123-3.
- M. Klacsová u. a.
Phase Behavior of the DOPE + DOPC + Alkanol System.
Soft matter, 10(31):5842, and PUBDB-2015-01173.
doi: 10.1039/C4SM00530A.
- P. Kneisel u. a.
Review of Ingot Niobium as a Material for Superconducting Radiofrequency Accelerating Cavities.
Nuclear instruments & methods in physics research / A, 774:133, and PUBDB-2015-00668.
doi: 10.1016/j.nima.2014.11.083.
- A. Knie u. a.
Angle-resolved study of resonant Auger decay and fluorescence emission processes after core excitations of the terminal and central nitrogen atoms in N_2O .
Physical review / A, 90(1):013416, and PUBDB-2014-04170.
doi: 10.1103/PhysRevA.90.013416.
- V. Kolesár u. a.
Evolution of phases in $Al_{55}Ni_{30}Pd_{15}$ alloy at temperatures up to 600 °C.
Intermetallics, 46:141, and PUBDB-2014-04319.
doi: 10.1016/j.intermet.2013.11.015.
- C. von Korff Schmising u. a.
Imaging Ultrafast Demagnetization Dynamics after a Spatially Localized Optical Excitation.
Physical review letters, 112(21):217203, and DESY-2014-02806.
doi: 10.1103/PhysRevLett.112.217203.
- V. Körstgens u. a.
Following initial changes in nanoparticle films under laminar flow conditions with in situ GISAXS microfluidics.
RSC Advances, 4(3):1476, and PUBDB-2014-03439.
doi: 10.1039/c3ra44554b.
- N. Kosova und E. Devyatkina.
Synthesis of novel nanostructured composite cathode materials for lithium-ion batteries using mechanical activation.
Doklady chemistry, 458(2):194, and PUBDB-2014-04187.
doi: 10.1134/S001250081410005X.
- D. Kozlenko u. a.
Pressure-induced antiferromagnet-ferromagnet transition and a change in the spin state of Co in $La_{0.5}Ba_{0.5}CoO_{2.8}$.
JETP letters, 100(6):380, and PUBDB-2015-00044.
doi: 10.1134/S0021364014180052.

- D. Kozlenko u. a.
Pressure-induced polar phases in relaxor multiferroic $PbFe_{0.5}Nb_{0.5}O_3$.
Physical review / B, 89(17):174107, and DESY-2014-02785.
doi: 10.1103/PhysRevB.89.174107.
- D. Krebs, S. Pabst und R. Santra.
Introducing many-body physics using atomic spectroscopy.
American journal of physics online, 82(2):113, and DESY-2014-01654.
doi: 10.1119/1.4827015.
- J. Kubacka-Traczyk u. a.
High-resolution X-ray characterization of mid-IR $Al_{0.45}Ga_{0.55}As/GaAs$ Quantum Cascade Laser structures.
Thin solid films, 564:339, and DESY-2014-02976.
doi: 10.1016/j.tsf.2014.05.043.
- A. Kubec u. a.
Ptychography with multilayer Laue lenses.
Journal of synchrotron radiation, 21(5):1122, and DESY-2014-03159.
doi: 10.1107/S1600577514014556.
- M. Kubliha u. a.
Local atomic structure and electrical properties of $Ge_{20}Se_{80-x}Te_x$ (x=0, 5, 10, and 15) glasses doped with Ho.
Journal of alloys and compounds, 586:308, and DESY-2014-03227.
doi: 10.1016/j.jallcom.2013.10.059.
- C. Kupitz u. a.
Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser.
Nature / Physical science, 513:261, and DESY-2014-03048.
doi: 10.1038/nature13453.
- J. Küpper.
Strong-field physics: Displaced creation.
Nature physics, 10(8):550, and DESY-2014-03083.
doi: 10.1038/nphys3045.
- J. Küpper u. a.
Instrumentation and Methods: General Discussion.
Faraday discussions, 171:505, and PUBDB-2015-01049.
doi: 10.1039/C4FD90017K.
- J. Küpper u. a.
X-Ray Diffraction from Isolated and Strongly Aligned Gas-Phase Molecules with a Free-Electron Laser.
Physical review letters, 112(8):083002, and DESY-2014-02460.
doi: 10.1103/PhysRevLett.112.083002.
- R. Kurta u. a.
Structural properties of π - π conjugated network in polymer thin films studied by x-ray cross-correlation analysis.
Journal of physics / Conference Series, 499(conf 1):012021, and DESY-2014-03216.
doi: 10.1088/1742-6596/499/1/012021.
- A. Kuzmin u. a.
X-ray absorption spectroscopy of Cu-doped WO_3 films for use in electrochemical metallization cell memory.
Journal of non-crystalline solids, 401:87, and DESY-2014-03203.
doi: 10.1016/j.jnoncrysol.2014.01.022.
- M. Lastusaari u. a.
Understanding Persistent Luminescence: Rare-Earth- and Eu^{2+} -doped $Sr_2MgSi_2O_7$.
Zeitschrift für Naturforschung / B, 69(2):171, and PUBDB-2015-01683.
doi: 10.5560/znb.2014-3322.
- M. Lastusaari u. a.
Valences of Dopants in Eu^{2+} Persistent Luminescence Materials.
Physica scripta, 89(4):044004, and PUBDB-2015-01181.
doi: 10.1088/0031-8949/89/04/044004.
- J.-H. Lee u. a.
Structures and Alignment of Anisotropic Liquid Crystal Particles in a Liquid Crystal Cell.
RSC Advances, 4(76):40617, and PUBDB-2015-01234.
doi: 10.1039/C4RA06221C.
- S. Legrand u. a.
Macroscopic Fourier Transform Infrared Scanning in Reflection Mode (MA-rFTIR), a new Tool for Chemical Imaging of Cultural Heritage Artefacts in the Mid-Infrared Range.
The analyst, 139(10):2489, and PUBDB-2015-01277.
doi: 10.1039/c3an02094k.
- F. Lehmkuhler, G. Grübel und C. Gutt.
Detecting orientational order in model systems by X-ray cross-correlation methods.
Journal of applied crystallography, 47(4):1315, and DESY-2014-03078.
doi: 10.1107/S1600576714012424.
- F. Lehmkuhler u. a.
Single Shot Coherence Properties of the Free-Electron Laser SACLA in the Hard X-ray Regime.
Scientific reports, 4:5234, and DESY-2014-02864.
doi: 10.1038/srep05234.
- S. R. Leone u. a.
What will it take to observe processes in 'real time'?
Nature photonics, 8(3):162, and DESY-2014-02462.
doi: 10.1038/nphoton.2014.48.
- H. C. a. Li u. a.
Remote Two-Color Optical-to-Optical Synchronization between Two Passively Mode-Locked Lasers.
Optics letters, 39(18):5325, and PUBDB-2015-01122.
doi: 10.1364/OL.39.005325.
- Y. Li u. a.
C 4 Cumulene and the Corresponding Air-Stable Radical Cation and Dication.
Angewandte Chemie / International edition, 53(16):4168, and DESY-2014-02584.
doi: 10.1002/anie.201310975.

- Z. Li u. a.
Core-level transient absorption spectroscopy as a probe of electron hole relaxation in photoionized H^+ (H_2O)_n.
Faraday discussions, 171:457, and DESY-2014-03064.
doi: 10.1039/C4FD00078A.
- J. Lim u. a.
3GHz, watt-level femtosecond Raman soliton source.
Optics letters, 39(7):2060, and DESY-2014-02618.
doi: 10.1364/OL.39.002060.
- M. Lippmann, A. Ehnes und O. H. Seeck.
An x-ray setup to investigate the atomic order of confined liquids in slit geometry.
Review of scientific instruments, 85(1):1, and DESY-2014-00471.
doi: 10.1063/1.4860057.
- A. A. Lomov u. a.
High-Resolution Synchrotron Diffraction Study of Porous Buffer InP(001) Layers.
Journal of applied crystallography, 47(5):1614, and PUBDB-2015-01185.
doi: 10.1107/S1600576714016392.
- P. Lotti u. a.
High-pressure behavior of synthetic mordenite-Na: an in situ single-crystal synchrotron X-ray diffraction study.
Zeitschrift für Kristallographie / Crystalline materials, 230(4):201, and PUBDB-2014-04437.
doi: 10.1515/zkri-2014-1796.
- H. Lou u. a.
Atomic Structure of $\text{Pd}_{81}\text{Si}_{19}$ Glassy Alloy under High Pressure.
Acta materialia, 81:420, and PUBDB-2015-01111.
doi: 10.1016/j.actamat.2014.08.051.
- E. Ludwig u. a.
Fe(II) spin-crossover in ultrathin films: Electronic structure and spin-state switching by visible and vacuum-UV light.
Angewandte Chemie / International edition, 53(11):3019, and DESY-2014-01529.
doi: 10.1002/anie.201307968.
- E. Maawad u. a.
Determination of polycrystal diffraction elastic constants of Ti-2.5Cu by using in situ tensile loading and synchrotron radiation.
Materials science and engineering / A, 594:62, and DESY-2013-01336.
doi: 10.1016/j.msea.2013.11.053.
- O. V. Magdysyuk u. a.
Understanding the adsorption mechanism of noble gases Kr and Xe in CPO-27-Ni, CPO-27-Mg, and ZIF-8.
Physical chemistry, chemical physics, 16(43):23908, and PUBDB-2014-03865.
doi: 10.1039/C4CP03298E.
- R. Mak u. a.
Non-Negative Matrix Analysis for Effective Feature Extraction in X-ray Spectromicroscopy.
Faraday discussions, 171:357, and PUBDB-2015-01264.
doi: 10.1039/C4FD00023D.
- T. Maltezopoulos u. a.
A high-harmonic generation source for seeding a free-electron laser at 38 nm.
Applied physics / B, 115(1):45, and DESY-2013-01107.
doi: 10.1007/s00340-013-5571-6.
- A. M. Markeev u. a.
Resistive switching effect in $\text{Hf}_x\text{Al}_{1-x}\text{O}_y$ with a graded Al depth profile studied by hard X-ray photoelectron spectroscopy.
E-MRS Spring Meeting, Strasbourg (France), 05/27/2013 - 05/31/2013.
Elsevier, Amsterdam [u.a.], Mai 2014.
doi: 10.1016/j.tsf.2014.02.027.
- A. V. Martin u. a.
X-Ray Holography with a Customizable Reference.
Nature Communications, 5:4661, and PUBDB-2015-01254.
doi: 10.1038/ncomms5661.
- B. Marx u. a.
High precision measurement of undulator polarization in the regime of hard x-rays.
Applied physics letters, 105(2):024103, and DESY-2014-03129.
doi: 10.1063/1.4890584.
- F. Masiello u. a.
Rocking Curve Measurements Revisited.
Journal of applied crystallography, 47(4):1304, and PUBDB-2015-01284.
doi: 10.1107/S1600576714012527.
- T. Mazza u. a.
Determining the polarization state of an extreme ultraviolet free-electron laser beam using atomic circular dichroism.
Nature Communications, 5:1, and PUBDB-2015-01458.
doi: 10.1038/ncomms4648.
- K. Medyanik u. a.
Hard X-ray photoemission study of the Fabre salts $(\text{TMTTF})_2\text{X}$ ($\text{X} = \text{SbF}_6$ and PF_6).
The European physical journal / B, 87(11):256, and PUBDB-2015-00173.
doi: 10.1140/epjb/e2014-50499-y.
- T. Mehrling u. a.
HiPACE: a quasi-static particle-in-cell code.
8. Laser und Plasma Accelerator Workshop 2013, Goa (India), 09/01/2013 - 09/06/2013.
IOP Publ., Bristol, Sep. 2014.
doi: 10.1088/0741-3335/56/8/084012.
- J.-M. Meijer u. a.
Double Hexagonal Close-Packed Structure Revealed in a Single Colloidal Crystal Grain by Bragg Rod Analysis.
Journal of applied crystallography, 47(4):1199, and PUBDB-2015-01257.
doi: 10.1107/S1600576714010346.

- A. Menushenkov u. a.
Local atomic and crystal structure rearrangement during the martensitic transformation in $Ti_{50}Ni_{25}Cu_{25}$ shape memory alloy.
Journal of alloys and compounds, 585:428, and DESY-2014-01618.
doi: 10.1016/j.jallcom.2013.09.096.
- A. Menushenkov u. a.
Low Temperature Anharmonicity and Superconductivity in Cuprates.
Journal of superconductivity and novel magnetism, 27(4):925, and PUBDB-2015-01172.
doi: 10.1007/s10948-013-2411-1.
- A. Menushenkov u. a.
Response to the comment to “Features of the local structure of rare-earth dodecaborides RB_{12} (R = Ho, Er, Tm, Yb, Lu)” (JETP Lett. 98, 165 (2013)).
JETP letters, 98(9):581, and DESY-2014-01619.
doi: 10.1134/S0021364013220062.
- E. Metwalli u. a.
Polymer-Coated PtCo Nanoparticles Deposited on Diblock Copolymer Templates: Chemical Selectivity versus Topographical Effects.
ChemPhysChem, 15(11):2236, and PUBDB-2015-01007.
doi: 10.1002/cphc.201402047.
- T. Mey u. a.
Wigner distribution measurements of the spatial coherence properties of the free-electron laser FLASH.
Optics express, 22(13):16571, and DESY-2014-02968.
doi: 10.1364/OE.22.016571.
- S. Michalik u. a.
Structural modifications of swift-ion-bombarded metallic glasses studied by high-energy X-ray synchrotron radiation.
Acta materialia, 80:309, and PUBDB-2014-03449.
doi: 10.1016/j.actamat.2014.07.072.
- S. Michalik u. a.
The Structural Stability of Soft Magnetic Fe-Co-Zr-W-B Metallic Glasses Investigated by the in-situ X-ray Diffraction.
Acta physica Polonica / A, 126(1):66, and PUBDB-2014-04329.
doi: 10.12693/APhysPolA.126.66.
- R. Michels u. a.
Coaggregation of Two Anionic Azo Dyestuffs: A Combined Static Light Scattering and Small-Angle X-ray Scattering Study.
The journal of physical chemistry / B, 118(27):7618, and DESY-2014-03392.
doi: 10.1021/jp502347b.
- O. Milkovič u. a.
Structure Characterisation of Electrodeposited Ni-Co Alloy.
Materials science forum, 782:603, and PUBDB-2015-00494.
doi: 10.4028/www.scientific.net/MSF.782.603.
- E. P. Miller u. a.
Surface-Bound Iron: a Metal Ion Buffer in the Marine Brown Alga *Ectocarpus Siliculosus*?
The journal of experimental botany, 65(2):585, and PUBDB-2015-01360.
doi: 10.1093/jxb/ert406.
- B. Misof u. a.
Phylogenomics resolves the timing and pattern of insect evolution.
Science, 346(6210):763, and PUBDB-2014-04151.
doi: 10.1126/science.1257570.
- K. T. Moeller u. a.
Characterization of Gas-Solid Reactions using In Situ Powder X-ray Diffraction.
Zeitschrift für anorganische und allgemeine Chemie, 640(15):3029, and PUBDB-2014-03857.
doi: 10.1002/zaac.201400262.
- O. Molodtsova u. a.
Morphology and Properties of a Hybrid Organic-Inorganic System: Al Nanoparticles Embedded Into CuPc Thin Film.
Journal of applied physics, 115(16):164310, and PUBDB-2015-01270.
doi: 10.1063/1.4874161.
- L. Monico u. a.
Full Spectral XANES Imaging using the Maia Detector Array as a New Tool for the Study of the Alteration Process of Chrome Yellow Pigments in Paintings by Vincent Van Gogh.
Journal of analytical atomic spectrometry, 30:613, and PUBDB-2015-00261.
doi: 10.1039/C4JA00419A.
- E. Montarges-Pelletier u. a.
Microscale Investigations of the Fate of Heavy Metals Associated to Iron-Bearing Particles in a Highly Polluted Stream.
Environmental science and pollution research, 21(4):2744, and PUBDB-2015-01274.
doi: 10.1007/s11356-013-2192-x.
- M. Müller u. a.
A symmetry-mode description of rigid-body rotations in crystal-line solids: a case study of $Mg(H_2O)_6RbBr_3$.
Journal of applied crystallography, 47(2):1, and DESY-2014-02306.
doi: 10.1107/S1600576713034560.
- P. Müller u. a.
In situ Oxidation study of Pd-Rh Nanoparticles on $MgAl_2O_4(001)$.
Physical chemistry, chemical physics, 16(27):13866, and PUBDB-2015-00997.
doi: 10.1039/c4cp01271b.
- B. F. Murphy u. a.
Femtosecond X-ray-induced explosion of C60 at extreme intensity.
Nature Communications, 5:4281, and DESY-2014-02930.
doi: 10.1038/ncomms5281.

- B. Murphy u. a.
A novel X-ray diffractometer for studies of liquid–liquid interfaces.
Journal of synchrotron radiation, 21(1):45, and DESY-2014-00470.
doi: 10.1107/S1600577513026192.
- M. Murphy u. a.
Electronic Structure and Optical Properties of CdS_xSe_{1-x} Solid Solution Nanostructures from X-Ray Absorption Near Edge Structure, X-Ray Excited Optical Luminescence, and Density Functional Theory Investigations.
Journal of applied physics, 116(19):193709, and PUBDB-2015-01121.
doi: 10.1063/1.4902390.
- S. Nandi u. a.
Coexistence of superconductivity and ferromagnetism in P-doped $EuFe_2As_2$.
Physical review / B, 89(1):014512, and DESY-2014-01385.
doi: 10.1103/PhysRevB.89.014512.
- V. Nemcová u. a.
Effect of Annealing Time on Structure of $Fe_{72.5}Cu_1Nb_2Mo_2Si_{15.5}B_7$ Alloy.
Acta physica Polonica / A, 126(1):116, and PUBDB-2014-04328.
doi: 10.12693/APhysPolA.126.116.
- H. Neubauer u. a.
High aspect ratio x-ray waveguide channels fabricated by e-beam lithography and wafer bonding.
Journal of applied physics, 115(21):214305, and DESY-2014-03329.
doi: 10.1063/1.4881495.
- Y. C. Nie u. a.
Tuning of 2.998GHz S-band Hybrid Buncher for Injector Upgrade of LINACII at DESY.
Nuclear Instruments and Methods in Physics Research A, 761:69, and PUBDB-2014-03884.
doi: 10.1016/j.nima.2014.05.043.
- S. Niese u. a.
Full-field X-ray microscopy with crossed partial multilayer Laue lenses.
Optics express, 22(17):20008, and PUBDB-2015-00986.
doi: 10.1364/OE.22.020008.
- N. Nishiyama u. a.
Fracture-induced amorphization of polycrystalline SiO_2 stishovite: a potential platform for toughening in ceramics.
Scientific reports, 4:6558, and PUBDB-2014-04322.
doi: 10.1038/srep06558.
- O. Noked u. a.
High-pressure structural studies of $Li_xLa_{1/3}NbO_3$ ($x = 1/6, 1/3, 1/2, 2/3$).
Physics and chemistry of minerals, 41(5):333, and DESY-2014-02833.
doi: 10.1007/s00269-013-0652-y.
- A. Nyrow u. a.
Iron speciation in minerals and glasses probed by $M_{2/3}$ -edge X-ray Raman scattering spectroscopy.
Contributions to mineralogy and petrology, 167(5):1012, and DESY-2014-02803.
doi: 10.1007/s00410-014-1012-8.
- D. Olekšáková u. a.
Isobaric Thermal Expansion and Isothermal Compression of Powdered NiFe Based Alloys Studied by In-Situ EDXRD.
Acta physica Polonica / A, 126(1):128, and PUBDB-2014-04327.
doi: 10.12693/APhysPolA.126.128.
- S. Ovsyannikov u. a.
A Hard Oxide Semiconductor with A Direct and Narrow Band-gap and Switchable p–n Electrical Conduction.
Advanced materials, 26(48):8185, and PUBDB-2015-01275.
doi: 10.1002/adma.201403304.
- S. Pabst und R. Santra.
Spin–orbit effects in atomic high-harmonic generation.
Journal of physics / B, 47(12):124026, and DESY-2014-02856.
doi: 10.1088/0953-4075/47/12/124026.
- C. M. Palumbiny u. a.
Molecular Reorientation and Structural Changes in Cosolvent-Treated Highly Conductive PEDOT:PSS Electrodes for Flexible Indium Tin Oxide-Free Organic Electronics.
The journal of physical chemistry / C, 118(25):13598, and PUBDB-2015-01010.
doi: 10.1021/jp501540y.
- D. Passeri u. a.
A Two-Tier Monolithically Stacked CMOS Active Pixel Sensor to Measure Charged Particle Direction.
Journal of Instrumentation, 9(05):C05038, and PUBDB-2015-01199.
doi: 10.1088/1748-0221/9/05/C05038.
- C. Passow u. a.
Direction-Dependent Freezing of Diamagnetic Colloidal Tracers Suspended in Paramagnetic Ionic Liquids.
Langmuir, 30(25):7283, and DESY-2014-03327.
doi: 10.1021/la500658x.
- S. Patra u. a.
Time Resolved Growth of Membrane Stabilized Silver NPs and their Catalytic Activity.
RSC Advances, 4(103):59379, and PUBDB-2015-01236.
doi: 10.1039/C4RA10400E.
- M. Patt u. a.
Bulk sensitive hard x-ray photoemission electron microscopy.
Review of scientific instruments, 85(11):113704, and PUBDB-2014-04315.
doi: 10.1063/1.4902141.
- B. Pedrini u. a.
7 Å Resolution in Protein Two-Dimensional-Crystal X-Ray Diffraction at Linac Coherent Light Source.
Philosophical transactions of the Royal Society of London / B, 369(1647):20130500, and PUBDB-2015-01255.
doi: 10.1098/rstb.2013.0500.

- Y. Pei u. a.
Optimum Carrier Concentration in n-Type PbTe Thermoelectrics.
Advanced energy materials, 4(13):1400486, and PUBDB-2014-03660.
doi: 10.1002/aenm.201400486.
- M. Y. Peng, A. Kalaydzhyan und F. X. Kärtner.
Balanced optical-microwave phase detector for sub-femtosecond optical-RF synchronization.
Optics express, 22(22):27102, and PUBDB-2014-03887.
doi: 10.1364/OE.22.027102.
- D. Pennicard u. a.
A Germanium Hybrid Pixel Detector with 55µm Pixel Size and 65,000 Channels.
Journal of Instrumentation, 9(12):P12003, and PUBDB-2015-01184.
doi: 10.1088/1748-0221/9/12/P12003.
- D. Pennicard u. a.
High-Speed Readout of High-Z Pixel Detectors with the LAMBDA Detector.
12. 10th International Conference on Position Sensitive Detectors, University of Surrey (UK), 09/07/2014 - 09/12/2014. Inst. of Physics, London, Sep. 2014.
doi: 10.1088/1748-0221/9/12/C12014.
- D. Pennicard u. a.
The LAMBDA Photon-Counting Pixel Detector and High-Z Sensor Development.
12. 16th International Workshop on Radiation Imaging Detectors, Trieste (Italy), 06/22/2014 - 06/26/2014. Inst. of Physics, London, Juni 2014.
doi: 10.1088/1748-0221/9/12/C12026.
- K. Perumal u. a.
Growth control of epitaxial GeTe-Sb₂Te₃ films using a line-of-sight quadrupole mass spectrometer.
Journal of crystal growth, 396:50, and DESY-2014-02740.
doi: 10.1016/j.jcrysgro.2014.03.039.
- S. Peters u. a.
Positive XPS Binding Energy Shift of Supported CuN-Clusters Governed by Initial State Effects.
Journal of electron spectroscopy and related phenomena, 192:52, and PUBDB-2015-01114.
doi: 10.1016/j.elspec.2014.01.011.
- S. Peth u. a.
Localization of soil organic matter in soil aggregates using synchrotron-based X-ray microtomography.
Soil biology & biochemistry, 78:189, and PUBDB-2015-00573.
doi: 10.1016/j.soilbio.2014.07.024.
- O. Peyrusse, B. Deschaut und D. Rolles.
A Superconfiguration Approach to Multi-Electron Ionization of Xe under Strong X-Ray Irradiation.
Journal of physics / B, 47(1):011001, and PUBDB-2015-01125.
doi: 10.1088/0953-4075/47/1/011001.
- L. Pihlgren u. a.
On the mechanism of persistent up-conversion luminescence in the ZrO₂ : Yb³⁺, Er³⁺ nanomaterials.
Optical materials, 36(10):1698, and DESY-2014-02831.
doi: 10.1016/j.optmat.2014.01.027.
- L. Pikna u. a.
The structure of nano-palladium deposited on carbon-based supports.
Journal of solid state chemistry, 212:197, and DESY-2014-01882.
doi: 10.1016/j.jssc.2014.01.032.
- C. Pistidda u. a.
Hydrogen Storage Systems from Waste Mg Alloys.
Journal of power sources, 270:554, and PUBDB-2015-01159.
doi: 10.1016/j.jpowsour.2014.07.129.
- N. Poccia u. a.
Percolative Superconductivity in La₂CuO_{4.06} by Lattice Granularity Patterns with Scanning Micro X-Ray Absorption near edge Structure.
Applied physics letters, 104(22):221903, and PUBDB-2015-01155, arXiv:1401.0549.
doi: 10.1063/1.4879286.
- L. Poletto u. a.
Double-Configuration Grating Monochromator for Extreme-Ultraviolet Ultrafast Pulses.
Applied optics, 53(26):5879, and PUBDB-2015-01123.
doi: 10.1364/AO.53.005879.
- V. V. Popov u. a.
Short- and long-range order balance in nanocrystalline Gd₂Zr₂O₇ powders with a fluorite-pyrochlore structure.
Russian journal of inorganic chemistry, 59(4):279, and PUBDB-2015-00801.
doi: 10.1134/S0036023614040147.
- F. Postberg u. a.
Stardust Interstellar Preliminary Examination IX: High-Speed Interstellar Dust Analog Capture in Stardust Flight-Spare Aerogel.
Meteoritics & planetary science, 49(9):1666, and PUBDB-2015-01249.
doi: 10.1111/maps.12173.
- M. J. Prandolini u. a.
Design Considerations for a High Power, Ultrabroadband Optical Parametric Chirped-Pulse Amplifier.
Optics express, 22(2):1594, and PUBDB-2015-01175.
doi: 10.1364/OE.22.001594.
- M. Prasciolu u. a.
Thermal Stability Studies of Short Period Sc/Cr and Sc/B₄C/Cr Multilayers.
Applied optics, 53(10):2126, and PUBDB-2015-01290.
doi: 10.1364/AO.53.002126.
- S. Raatz u. a.
Comparison of Synchrotron Radiation Diffraction and Micro-magnetic Stress Analysis in Straightened Steel Pipes.
Materials science forum, 777:225, and PUBDB-2014-03593.
doi: 10.4028/www.scientific.net/MSF.777.225.

S. Rackwitz u. a.

Installation of a combined Raman and AFM microscope as a sample environment for nuclear resonance scattering at P01, PETRA III.

32nd International Conference on the Applications of the Mössbauer Effect (ICAME 2013), Opatija (Croatia), 09/01/2013 - 09/06/2013.

Springer Science + Business Media B.V, Dordrecht [u.a.], Sep. 2014.

doi: 10.1007/s10751-014-1015-x.

N. Rademacher u. a.

The Local Atomic Structures of Liquid CO at 3.6GPa and Polymerized CO at 0 to 30GPa from High-Pressure Pair Distribution Function Analysis.

Chemistry, 20(36):11531, and PUBDB-2014-03818.

doi: 10.1002/chem.201403000.

M. Radjabian u. a.

Tailoring the Morphology of Self-Assembled Block Copolymer Hollow Fiber Membranes.

Polymer, 55(13):2986, and PUBDB-2015-00217.

doi: 10.1016/j.polymer.2014.04.041.

J. Rana u. a.

Local structural changes in $LiMn_{1.5}Ni_{0.5}O_4$ spinel cathode material for lithium ion batteries.

Journal of power sources, 255:439, and DESY-2014-01166.

doi: 10.1016/j.jpowsour.2014.01.037.

A. D. Rath u. a.

Explosion dynamics of sucrose nanospheres monitored by time of flight spectrometry and coherent diffractive imaging at the split-and-delay beam line of the FLASH soft X-ray laser.

Optics express, 22(23):28914, and PUBDB-2014-04490.

doi: 10.1364/OE.22.028914.

K. Ravi u. a.

Limitations to THz generation by optical rectification using tilted pulse fronts.

Optics express, 22(17):20239, and PUBDB-2014-03668.

doi: 10.1364/OE.22.020239.

V. Rebbin u. a.

Size Limit on the Formation of Periodic Mesoporous Organosilicas (PMOs).

Langmuir, 30(7):1900, and DESY-2014-02191.

doi: 10.1021/la404060a.

B. Rethfeld u. a.

Electron dynamics and energy dissipation in highly excited dielectrics.

Nuclear instruments & methods in physics research / B, 327:78, and DESY-2014-02970.

doi: 10.1016/j.nimb.2013.10.087.

T. Reusch u. a.

Collective Lipid Bilayer Dynamics Excited by Surface Acoustic Waves.

Physical review letters, 113:118102, and PUBDB-2014-03679.

doi: 10.1103/PhysRevLett.113.118102.

A. Ricci u. a.

Networks of superconducting nano-puddles in 1/8 doped $YBa_2Cu_3O_{6.5+y}$ controlled by thermal manipulation.

New journal of physics, 16(5):053030, and PUBDB-2015-01156.

doi: 10.1088/1367-2630/16/5/053030.

A. Ricci u. a.

Temperature Dependence of $\sqrt{2} \times \sqrt{2}$ Phase in Superconducting $K_{0.8}Fe_{1.6}Se_2$ Single Crystal.

Journal of superconductivity and novel magnetism, 27(4):1003, and PUBDB-2015-01158.

doi: 10.1007/s10948-013-2426-7.

C. Richter u. a.

Mechanisms of the paraelectric to ferroelectric phase transition in RbH_2PO_4 probed by purely resonant x-ray diffraction.

Physical review / B, 89(9):094110, and DESY-2014-02519.

doi: 10.1103/PhysRevB.89.094110.

R. Riedel u. a.

Thermal Properties of Borate Crystals for High Power Optical Parametric Chirped-Pulse Amplification.

Optics express, 22(15):17607, and PUBDB-2015-01176.

doi: 10.1364/OE.22.017607.

R. Roehlsberger.

Photon Polarization Precession Spectroscopy for High-Resolution Studies of Spin Waves.

Physical review letters, 112(11):117205, and PUBDB-2015-01126, arXiv:1402.4795.

doi: 10.1103/PhysRevLett.112.117205.

S. Roling u. a.

Time-Dependent Wave Front Propagation Simulation of a Hard X-Ray Split-and-Delay unit: Towards a Measurement of the Temporal Coherence Properties of X-Ray Free Electron Lasers.

Physical review / Special topics / Accelerators and beams, 17(11):110705, and PUBDB-2015-00039.

doi: 10.1103/PhysRevSTAB.17.110705.

D. Rolles u. a.

Femtosecond x-ray photoelectron diffraction on gas-phase dibromobenzene molecules.

Journal of physics / B, 47(12):124035, and DESY-2014-03085.

doi: 10.1088/0953-4075/47/12/124035.

D. Rösch u. a.

Chemical reactions of conformationally selected 3-aminophenol molecules in a beam with Coulomb-crystallized Ca^+ ions.

The journal of chemical physics, 140(12):124202, and DESY-2014-02586.

doi: 10.1063/1.4869100.

F. Roth u. a.

Electronic properties and morphology of Cu-phthalocyanine— C_60 composite mixtures.

Journal of applied physics, 115(3):033705, and DESY-2014-01062.

doi: 10.1063/1.4861886.

- D. Rupp u. a.
Generation and structure of extremely large clusters in pulsed jets.
The journal of chemical physics, 141(4):044306, and DESY-2014-03776.
doi: 10.1063/1.4890323.
- A. Rusydi u. a.
Electronic Screening-Enhanced Hole Pairing in Two-Leg Spin Ladders Studied by High-Resolution Resonant Inelastic X-Ray Scattering at Cu M Edges.
Physical review letters, 113(6):067001, and PUBDB-2015-00660.
doi: 10.1103/PhysRevLett.113.067001.
- C. G. Ryan u. a.
Maia X-ray fluorescence imaging: Capturing detail in complex natural samples.
Journal of physics / Conference Series, 499:012002, and DESY-2014-02563.
doi: 10.1088/1742-6596/499/1/012002.
- C. Ryan u. a.
The Maia detector array and x-ray fluorescence imaging system: locating rare precious metal phases in complex samples.
SPIE Optical Engineering + Applications, San Diego (USA), 08/17/2014 - 08/21/2014.
SPIE, Bellingham, Wash., Aug. 2014.
doi: 10.1117/12.2027195.
- R. A. Rymzhanov, N. Medvedev und A. E. Volkov.
Monte-Carlo modeling of excitation of the electron subsystem of Al_2O_3 and polyethylene after swift heavy ion impact.
Nuclear instruments & methods in physics research / B, 326:238, and DESY-2014-02972.
doi: 10.1016/j.nimb.2013.10.035.
- D. Saha u. a.
In Situ Total X-Ray Scattering Study of WO_3 Nanoparticle Formation under Hydrothermal Conditions.
Angewandte Chemie / International edition, 53(14):3667, and DESY-2014-02515.
doi: 10.1002/anie.201311254.
- C. J. Sahle u. a.
The Ba 4d-4f giant dipole resonance in complex Ba/Si compounds.
Journal of physics / B, 47(4):045102, and DESY-2014-01773.
doi: 10.1088/0953-4075/47/4/045102.
- P. P. Samuel u. a.
Synthetic Access to a Hydrocarbon-soluble Trifluorinated Ge(II) Compound and its Sn(II) Congener.
Journal of the American Chemical Society, 136:1292, and DESY-2014-01101, I-20130106.
doi: 10.1021/ja412151e.
- G. Santoro u. a.
Microfocus X-ray scattering and micro-Raman spectroscopy: Transcrystallinity in isotactic polypropylene.
Physica status solidi / Rapid research letters, 8(8):724, and DESY-2014-02879.
doi: 10.1002/pssr.201409207.
- G. Santoro u. a.
Silver substrates for surface enhanced Raman scattering: Correlation between nanostructure and Raman scattering enhancement.
Applied physics letters, 104(24):243107, and DESY-2014-02878.
doi: 10.1063/1.4884423.
- G. Santoro u. a.
Use of intermediate focus for grazing incidence small and wide angle x-ray scattering experiments at the beamline P03 of PETRA III, DESY.
Review of scientific instruments, 85(4):043901, and DESY-2014-02533.
doi: 10.1063/1.4869784.
- R. Santra, G. Dixit und J. M. Slowik.
Comment on "How to observe coherent electron dynamics directly".
Physical review letters, 113(18):189301, and PUBDB-2014-03928.
doi: 10.1103/PhysRevLett.113.189301.
- K. Sarkar u. a.
A Quantitative Approach to Tune Metal Oxide Network Morphology based on Grazing-Incidence Small-Angle X-ray scattering Investigations.
Journal of applied crystallography, 47(1):76, and PUBDB-2015-01008.
doi: 10.1107/S1600576713027775.
- K. Sarkar u. a.
Monitoring Structural Dynamics of In-situ Spray-Deposited Zinc Oxide Films for Application in Dye-Sensitized Solar Cells.
ChemSusChem, 7(8):2140, and PUBDB-2015-01012.
doi: 10.1002/cssc.201402049.
- K. Sarkar u. a.
Tuning the pore size of ZnO nano-grids via time-dependent solvent annealing.
Journal of materials chemistry / A, 2(19):6945, and PUBDB-2015-01006.
doi: 10.1039/c4ta00489b.
- D. Sarker u. a.
Enhancement in field emission current density of Ni nanoparticles embedded in thin silica matrix by swift heavy ion irradiation.
Journal of applied physics, 115(17):174304, and DESY-2014-03058.
doi: 10.1063/1.4874435.
- L. Schaper u. a.
Longitudinal gas-density profilometry for plasma-wakefield acceleration targets.
1st European Advanced Accelerator Concepts Workshop, La Biodola, Isola d'Elba (Italy), 06/02/2013 - 06/07/2013.
North-Holland Publ. Co., Amsterdam, Juni 2014.
doi: 10.1016/j.nima.2013.10.052.

- S. Schippers u. a.
Absolute cross sections for photoionization of Xe^{q+} ions ($1 \leq q \leq 5$) at the 3d ionization threshold.
Journal of physics / B, 47(11):115602, and DESY-2014-02868, arXiv:1404.3021.
 doi: 10.1088/0953-4075/47/11/115602.
- B. Schmidt und S. Wesch.
Echtzeitspektroskopie von Ferninfrarotstrahlung zur Strahlendiagnose an Linearbeschleunigern - Real-time far-infrared spectroscopy as diagnostic tool for linear accelerators.
Technisches Messen, 81(3):137, and PUBDB-2014-04138.
 doi: 10.1515/teme-2014-1023.
- P. Schmüser u. a.
Free-Electron Lasers in the Ultraviolet and X-Ray Regime : Physical Principles, Experimental Results, Technical Realization; 2. erw. Auflage.
 Bd. 229. *Springer Tracts in Modern Physics*.
 Springer International Publishing, Cham, 2009.
- K. Schnorr u. a.
Electron Rearrangement Dynamics in Dissociating I_2^{n+} Molecules Accessed by Extreme Ultraviolet Pump-Probe Experiments.
Physical review letters, 113(7):073001, and PUBDB-2014-03678.
 doi: 10.1103/PhysRevLett.113.073001.
- K. Schnorr u. a.
Multiple ionization and fragmentation dynamics of molecular iodine studied in IR-XUV pump-probe experiments.
Faraday discussions, 171:41, and PUBDB-2014-04491.
 doi: 10.1039/C4FD00031E.
- S. Schreck u. a.
Reabsorption of Soft X-Ray Emission at High X-Ray Free-Electron Laser Fluences.
Physical review letters, 113(15):153002, and PUBDB-2015-01188.
 doi: 10.1103/PhysRevLett.113.153002.
- L. Schroedter u. a.
Hidden Charge States in Soft-X-Ray Laser-Produced Nanoplasmas Revealed by Fluorescence Spectroscopy.
Physical review letters, 112(18):183401, and DESY-2014-02702.
 doi: 10.1103/PhysRevLett.112.183401.
- C. Schroer und G. Falkenberg.
Hard X-ray nanofocusing at low-emittance synchrotron radiation sources.
Journal of synchrotron radiation, 21(5):996, and DESY-2014-03385.
 doi: 10.1107/S1600577514016269.
- M. Schroer, C. Gutt und G. Gruebel.
Characteristics of angular cross correlations studied by light scattering from two-dimensional microsphere films.
Physical review / E, 90:012309, and DESY-2014-03074.
 doi: 10.1103/PhysRevE.90.012309.
- R. Schulze u. a.
How the Calorimetric Properties of a Crystalline Copolymer Correlate to Its Surface Nanostructures.
Macromolecules, 47(5):1705, and PUBDB-2015-00449.
 doi: 10.1021/ma401984t.
- J. Schwandt u. a.
Design and First Tests of a Radiation-Hard Pixel Sensor for the European X-Ray Free-Electron Laser.
IEEE transactions on nuclear science, 61(4):1894, and DESY-2014-03248.
 doi: 10.1109/TNS.2014.2304239.
- O. Seeck.
X-ray reflectometry and related surface near X-ray scattering methods.
Zeitschrift für physikalische Chemie, 228:1135, and PUBDB-2015-00174.
 doi: 10.1515/zpch-2014-0629.
- F. Seiboth u. a.
Focusing XFEL SASE Pulses by Rotationally Parabolic Refractive X-Ray Lenses.
 22nd International Congress on X-Ray Optics und Microanalysis, Hamburg (Germany), 09/02/2013 - 09/06/2013.
 IOP Publ., Bristol, Sep. 2014.
 doi: 10.1088/1742-6596/499/1/012004.
- F. Seiboth u. a.
Hard x-ray nanofocusing by refractive lenses of constant thickness.
Applied physics letters, 105:131110, and PUBDB-2014-03817.
 doi: 10.1063/1.4896914.
- J. A. Sellberg u. a.
Ultrafast X-ray probing of water structure below the homogeneous ice nucleation temperature.
Nature, 510(7505):381, and DESY-2014-03047.
 doi: 10.1038/nature13266.
- D. Sen u. a.
Probing evaporation induced assembly across a drying colloidal droplet using in situ small-angle X-ray scattering at the synchrotron source.
Soft matter, 10(10):1621, and DESY-2014-01911.
 doi: 10.1039/c3sm52039k.
- K. Sentker u. a.
Fast generation of domain walls with defined chirality in nanowires.
Applied physics letters, 104(17):172404, and DESY-2014-02709.
 doi: 10.1063/1.4874803.
- S. U. Sharath u. a.
Towards forming-free resistive switching in oxygen engineered HfO_{2-x} .
Applied physics letters, 104(6):063502, and DESY-2014-02176.
 doi: 10.1063/1.4864653.

- M. Sharma u. a.
Anomalous x-ray scattering study of the growth of inverted quantum hut structures in a Si-Ge superlattice emitting strong photoluminescence.
Physical review / B, 89(20):205304, and DESY-2014-02921.
doi: 10.1103/PhysRevB.89.205304.
- M. Shipilin u. a.
Quantitative surface structure determination using in situ high-energy SXRD: Surface oxide formation on Pd(100) during catalytic CO oxidation.
Surface science, 630:229, and PUBDB-2014-04263.
doi: 10.1016/j.susc.2014.08.021.
- Y. Shvyd'ko u. a.
High-contrast sub-millivolt inelastic X-ray scattering for nano- and mesoscale science.
Nature Communications, 5:4219, and DESY-2014-03070.
doi: 10.1038/ncomms5219.
- F. Siewert u. a.
On the characterization of ultra-precise X-ray optical components: advances and challenges in ex situ metrology.
Journal of synchrotron radiation, 21(5):968, and DESY-2014-03381.
doi: 10.1107/S1600577514016221.
- E. Siminos u. a.
Modeling relativistic soliton interactions in overdense plasmas: A perturbed nonlinear Schrödinger equation framework.
Physical review / E, 90(6):063104, and PUBDB-2015-00233.
doi: 10.1103/PhysRevE.90.063104.
- A. S. Simionovici u. a.
Stardust Interstellar Preliminary Examination VI: Quantitative elemental analysis by synchrotron X-ray fluorescence nanoimaging of eight impact features in aerogel.
Meteoritics & planetary science, 49(9):1612, and PUBDB-2015-01231.
doi: 10.1111/maps.12208.
- A. Singer und I. Vartanians.
Coherence properties of focused X-ray beams at high-brilliance synchrotron sources.
Journal of synchrotron radiation, 21(1):5, and DESY-2014-01723.
doi: 10.1107/S1600577513023850.
- A. Singer u. a.
Intensity Interferometry of Single X-Ray Pulses from a Synchrotron Storage Ring.
Physical review letters, 113(6):064801, and DESY-2014-03132.
doi: 10.1103/PhysRevLett.113.064801.
- A. Skaugen u. a.
Magnetic order in $GdMnO_3$ in magnetic fields.
1. Workshop on Resonant Elastic X-ray Scattering in Condensed Matter, Oxford (United Kingdom), 07/15/2013 - 07/19/2013.
IOP Publ., Bristol, Juli 2014.
doi: 10.1088/1742-6596/519/1/012007.
- P. Skopintsev u. a.
Characterization of Spatial Coherence of Synchrotron Radiation with Non-Redundant Arrays of Apertures.
Journal of synchrotron radiation, 21(4):722, and PUBDB-2015-00166, arXiv:1402.6135.
doi: 10.1107/S1600577514006857.
- S. Skruszewicz u. a.
A new design for imaging of fast energetic electrons.
International journal of mass spectrometry, 365-366:338, and DESY-2014-02704.
doi: 10.1016/j.ijms.2014.02.009.
- J. M. Slowik u. a.
Incoherent x-ray scattering in single molecule imaging.
New journal of physics, 16(7):073042, and DESY-2014-03065.
doi: 10.1088/1367-2630/16/7/073042.
- C. Smith u. a.
Further evidence of tetragonality in bainitic ferrite.
Materials science and technology, 31(2):254, and PUBDB-2014-03872.
doi: 10.1179/1743284714Y.0000000691.
- M. Sowinska u. a.
In-operando hard X-ray photoelectron spectroscopy study on the impact of current compliance and switching cycles on oxygen and carbon defects in resistive switching $Ti/HfO_2/TiN$ cells.
Journal of applied physics, 115(20):204509, and DESY-2014-03092.
doi: 10.1063/1.4879678.
- J. C. H. Spence und H. N. Chapman.
The birth of a new field.
Philosophical transactions of the Royal Society of London / B, 369(1647):20130309, and DESY-2014-02889.
doi: 10.1098/rstb.2013.0309.
- K. Stachnik und A. Meents.
Scanning X-ray Microscopy with a Single Photon Counting 2D Detector.
Acta physica Polonica / A, 125(4):902, and DESY-2014-02787.
doi: 10.12693/APhysPolA.125.902.
- F.-U. Stein u. a.
Direct observation of internal vortex domain-wall dynamics.
Physical review / B, 89:024423, and DESY-2014-01500.
doi: 10.1103/PhysRevB.89.024423.
- V. J. Sterken u. a.
Stardust Interstellar Preliminary Examination X: Impact Speeds and Directions of Interstellar Grains on the Stardust Dust Collector.
Meteoritics & planetary science, 49(9):1680, and PUBDB-2015-01250.
doi: 10.1111/maps.12219.
- S. Stern u. a.
Toward atomic resolution diffractive imaging of isolated molecules with X-ray free-electron lasers.
Faraday discussions, 171(1):393, and PUBDB-2014-03908.
doi: 10.1039/C4FD00028E.

- M. Stoica u. a.
FeCoSiBNbCu bulk metallic glass with large compressive deformability studied by time-resolved synchrotron X-ray diffraction.
Journal of applied physics, 115(5):053520, and DESY-2014-01756.
doi: 10.1063/1.4864671.
- T. Straasoe u. a.
Model-independent structure factors from powder X-ray diffraction: a novel approach.
Journal of synchrotron radiation, 21(1):119, and DESY-2013-01538.
doi: 10.1107/S1600577513028269.
- N. Stribeck u. a.
Studying nanostructure gradients in injection-molded polypropylene/montmorillonite composites by microbeam small-angle x-ray scattering.
Science and technology of advanced materials, 15(1):015004, and PUBDB-2014-03441.
doi: 10.1088/1468-6996/15/1/015004.
- R. M. Stroud u. a.
Stardust Interstellar Preliminary Examination XI: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector.
Meteoritics & planetary science, 49(9):1698, and PUBDB-2015-01252.
doi: 10.1111/maps.12136.
- L. G. Sukhikh u. a.
Backward Transition Radiation in the Extreme Ultraviolet Regions as a Tool for the Transverse Beam Profile Diagnostic.
Physical review / Special topics / Accelerators and beams, 17:112805, and PUBDB-2014-04101.
doi: 10.1103/PhysRevSTAB.17.112805.
- M. E. Swanwick u. a.
Nanostructured Ultrafast Silicon-Tip Optical Field-Emitter Arrays.
Nano letters, 14(9):5035, and PUBDB-2014-04367.
doi: 10.1021/nl501589j.
- E. Syresin u. a.
Radiation detectors based on microchannel plates for free-electron lasers.
Physics of particles and nuclei letters, 11(6):730, and PUBDB-2015-00036.
doi: 10.1134/S1547477114060144.
- A. H. Taghvaei u. a.
Fabrication and Characterization of $Co_{40}Fe_{22}Ta_{8-x}Y_xB_{30}$ ($x=0, 2.5, 4, 6$, and 8) Metallic Glasses with High Thermal Stability and Good Soft Magnetic Properties.
Journal of applied physics, 116(18):184904, and PUBDB-2015-01113.
doi: 10.1063/1.4901266.
- A. H. Taghvaei u. a.
Influence of ball milling on atomic structure and magnetic properties of $Co_{40}Fe_{22}Ta_8B_{30}$ glassy alloy.
Materials characterization, 92:96, and DESY-2014-03069.
doi: 10.1016/j.matchar.2014.02.016.
- A. H. Taghvaei u. a.
Thermal and soft magnetic properties of $Co_{40}Fe_{22}Ta_8B_{30}$ glassy particles: In-situ X-ray diffraction and magnetometry studies.
Journal of applied physics, 116(5):054904, and PUBDB-2014-03699.
doi: 10.1063/1.4892041.
- M. Tamagnone u. a.
Fundamental limits and near-optimal design of graphene modulators and non-reciprocal devices.
Nature photonics, 8:556, and DESY-2014-02778.
doi: 10.1038/nphoton.2014.109.
- J. Tan u. a.
Correlation between atomic structure evolution and strength in a bulk metallic glass at cryogenic temperature.
Scientific reports, 4:3897, and PUBDB-2014-04318.
doi: 10.1038/srep03897.
- A. Tayal u. a.
Effect of Dopants on Thermal Stability and Self-Diffusion in Iron-Nitride thin Films.
Physical review / B, 90(14):144412, and PUBDB-2015-00270, arXiv:1406.3446.
doi: 10.1103/PhysRevB.90.144412.
- J. Tenboer u. a.
Time-resolved serial crystallography captures high-resolution intermediates of photoactive yellow protein.
Science, 346(6214):1242, and PUBDB-2015-01118.
doi: 10.1126/science.1259357.
- S. Thekku Veedu u. a.
N, N -Dimethyl-4-(pyren-1-yl)aniline.
Acta crystallographica / E, 70(1):o16, and PUBDB-2015-01190.
doi: 10.1107/S1600536813032698.
- S. Thekku Veedu u. a.
Ultrafast Dynamical Study of Pyrene- N,N -dimethylaniline (PyDMA) as an Organic Molecular Diode in Solid State.
The journal of physical chemistry / B, 118(12):3291, and PUBDB-2015-01192.
doi: 10.1021/jp4121222.
- C. M. Thompson u. a.
Synthesis, Structures, and Magnetic Properties of Rare-Earth Cobalt Arsenides, RCO_2As_2 ($R = La, Ce, Pr, Nd$).
Chemistry of materials, 26(12):3825, and PUBDB-2015-01171.
doi: 10.1021/cm501522v.
- K. Tiedtke u. a.
Absolute Pulse Energy Measurements of Soft X-Rays at the Linac Coherent Light Source.
Optics express, 22(18):21214, and PUBDB-2015-01238.
doi: 10.1364/OE.22.021214.
- H. Timmers u. a.
Coherent Electron Hole Dynamics Near a Conical Intersection.
Physical review letters, 113(11):113003, and PUBDB-2014-03491.
doi: 10.1103/PhysRevLett.113.113003.

- J. Timoshenko u. a.
Analysis of Extended X-Ray Absorption Fine Structure Data From Copper Tungstate by the Reverse Monte Carlo Method.
Physica scripta, 89(4):044006, and DESY-2014-03201.
doi: 10.1088/0031-8949/89/04/044006.
- N. Tomasi u. a.
Nutrient Accumulation in Leaves of Fe-Deficient Cucumber Plants Treated with Natural Fe Complexes.
Biology and fertility of soils, 50(6):973, and PUBDB-2015-01276.
doi: 10.1007/s00374-014-0919-6.
- M. Trebbin u. a.
Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions.
Lab on a chip, 14(10):1733, and DESY-2014-02797.
doi: 10.1039/c3lc51363g.
- S. Trippel u. a.
Strongly driven quantum pendulum of the carbonyl sulfide molecule.
Physical review / A, 89(5):051401, and DESY-2014-02747.
doi: 10.1103/PhysRevA.89.051401.
- S. R. Uglov u. a.
Investigation Of The Characteristics of EUV Backward Transition Radiation Generated by 5.7 MeV Electrons in Mono- and Multilayer Targets.
X International Symposium on Radiation from Relativistic Electrons in Periodic Structures", Lake Sevan (Armenia), 09/23/2013 - 09/28/2013.
IOP Publ., Bristol, Sep. 2014.
doi: 10.1088/1742-6596/517/1/012009.
- F. Uhlén u. a.
Ronchi test for Characterization of X-ray Nanofocusing Optics and Beamlines.
Journal of synchrotron radiation, 21(5):1105, and PUBDB-2015-00987.
doi: 10.1107/S160057751401323X.
- A. Ulvestad u. a.
Single Particle Nanomechanics in Operando Batteries via Lensless Strain Mapping.
Nano letters, 14(9):5123, and PUBDB-2015-01226.
doi: 10.1021/nl501858u.
- P. Vagovič u. a.
X-ray Bragg Magnifier Microscope as a Linear Shift Invariant Imaging System: Image Formation and Phase Retrieval.
Optics express, 22(18):21508, and PUBDB-2015-01263.
doi: 10.1364/OE.22.021508.
- U. Vainio u. a.
Orientation Distribution of Vertically Aligned Multiwalled Carbon Nanotubes.
The journal of physical chemistry / C, 118(18):9507, and DESY-2014-02790.
doi: 10.1021/jp501060s.
- I. Vartiainen u. a.
Towards tender X-rays with Zernike phase-contrast imaging of biological samples at 50nm resolution.
Journal of synchrotron radiation, 21(4):790, and DESY-2014-02869.
doi: 10.1107/S1600577514010388.
- K. Vegso u. a.
A Non-Equilibrium Transient Phase Revealed by in Situ GISAXS Tracking of the Solvent-Assisted Nanoparticle Self-Assembly.
Journal of nanoparticle research, 16(8):2536, and PUBDB-2015-01240.
doi: 10.1007/s11051-014-2536-6.
- K. Vegso u. a.
Application of the Paracrystal Model to GISAXS Analysis of the 3D Self-Assembled Nanoparticle Crystals.
Physica status solidi / B, 251(6):1169, and PUBDB-2015-01242.
doi: 10.1002/pssb.201350347.
- N. Velisavljevic u. a.
Time-resolved x-ray diffraction and electrical resistance measurements of structural phase transitions in zirconium.
3. 18th APS-SCCM und 24th AIRAPT, Washington (USA).
IOP Publ., Bristol, 2014.
doi: 10.1088/1742-6596/500/3/032020.
- O. Vendrell u. a.
Chemical reaction dynamics I and electron dynamics in molecules: general discussion.
Faraday discussions, 171:145, and PUBDB-2015-01316.
doi: 10.1039/C4FD90014F.
- J. R. R. Verlet, D. Horke und A. S. Chatterley.
Excited states of multiply-charged anions probed by photoelectron imaging: riding the repulsive Coulomb barrier.
Physical chemistry, chemical physics, 16(29):15043, and DESY-2014-03082.
doi: 10.1039/c4cp01667j.
- V. Vonk u. a.
Atomic layering and misfit-induced densification at the Si(111)/In solid-liquid interface.
Surface science, 621:69, and DESY-2014-01770.
doi: 10.1016/j.susc.2013.10.022.
- J. Wallentin u. a.
Hard X-ray Detection Using a Single 100 nm Diameter Nanowire.
Nano letters, 14:141201130641009, and PUBDB-2014-04366.
doi: 10.1021/nl5040545.
- X. L. Wang u. a.
Thermal Performance Analysis and Measurements of the Prototype Cryomodules of European XFEL Accelerator - Part I.
Nuclear instruments & methods in physics research / A, 763:701, and PUBDB-2015-01093.
doi: 10.1016/j.nima.2014.06.059.

- U. Weierstall u. a.
Lipidic cubic phase injector facilitates membrane protein serial femtosecond crystallography.
Nature Communications, 5:3309, and DESY-2014-02800.
doi: 10.1038/ncomms4309.
- B. Weinhausen u. a.
Scanning X-Ray Nanodiffraction on Living Eukaryotic Cells in Microfluidic Environments.
Physical review letters, 112(8):088102, and DESY-2014-03328.
doi: 10.1103/PhysRevLett.112.088102.
- P. Wessels u. a.
Time-resolved imaging of domain pattern destruction and recovery via nonequilibrium magnetization states.
Physical review B, 90(18):184417, and PUBDB-2014-04077.
doi: 10.1103/PhysRevB.90.184417.
- P. Wessels u. a.
Time-resolved soft X-ray microscopy of magnetic nanostructures at the P04 beamline at PETRA III.
1. 22nd International Congress on X-ray Optics und Microanalysis, Hamburg (Germany), 09/02/2013 - 09/06/2013.
IOP Publ., Bristol, Sep. 2014.
doi: 10.1088/1742-6596/499/1/012009.
- A. J. Westphal u. a.
Evidence for Interstellar Origin of Seven Dust Particles Collected by the Stardust Spacecraft.
Science, 345(6198):786, and PUBDB-2015-01233.
doi: 10.1126/science.1252496.
- A. J. Westphal u. a.
Final Reports of the Stardust Interstellar Preliminary Examination.
Meteoritics & planetary science, 49(9):1720, and PUBDB-2015-01253.
doi: 10.1111/maps.12221.
- A. J. Westphal u. a.
Stardust Interstellar Preliminary Examination I: Identification of Tracks in Aerogel.
Meteoritics & planetary science, 49(9):1509, and PUBDB-2015-01239.
doi: 10.1111/maps.12168.
- D. C. F. Wieland u. a.
pH controlled condensation of polysiloxane networks at the water-air interface.
Colloids and surfaces / A, 455:44, and DESY-2014-02776.
doi: 10.1016/j.colsurfa.2014.03.099.
- R. N. Wilke u. a.
High-flux ptychographic imaging using the new 55µm-pixel detector 'Lambda' based on the Medipix3 readout chip.
Acta crystallographica / A, 70:552, and PUBDB-2014-04158.
doi: 10.1107/S2053273314014545.
- B. Winkler u. a.
Compression Behavior of $Sm_2Ti_2O_7$ -Pyrochlore up to 50 GPa: Single-Crystal X-ray Diffraction and Density Functional Theory Calculations.
Chinese science bulletin, 59(36):5278, and PUBDB-2015-01345.
doi: 10.1007/s11434-014-0635-5.
- S. With u. a.
Fast Diffusion-Limited Lyotropic Phase Transitions Studied in Situ Using Continuous Flow Microfluidics/Microfocus-SAXS.
Langmuir, 30(42):12494, and PUBDB-2015-00195.
doi: 10.1021/la502971m.
- K. Witte u. a.
High energy X-ray diffraction study of a dental ceramics-titanium functional gradient material prepared by field assisted sintering technique.
Materials characterization, 95:266, and PUBDB-2014-04024.
doi: 10.1016/j.matchar.2014.06.018.
- L. J. Wong, F. Kaertner und S. G. Johnson.
Improved beam waist formula for ultrashort, tightly focused linearly, radially, and azimuthally polarized laser pulses in free space.
Optics letters, 39(5):1258, and DESY-2014-02320.
doi: 10.1364/OL.39.001258.
- P. Wrobel u. a.
Depth Profiling of Element Concentrations in Stratified Materials by Confocal Microbeam X-ray Fluorescence Spectrometry with Polychromatic Excitation.
Analytical chemistry, 86(22):11275, and PUBDB-2015-01288.
doi: 10.1021/ac502897g.
- T. Wroblewski.
A simple estimate of the lead thickness of the enclosure for synchrotron radiation experiments.
Radiation physics and chemistry, 103:194, and PUBDB-2014-04333.
doi: 10.1016/j.radphyschem.2014.05.060.
- X. Wu u. a.
Terahertz generation in lithium niobate driven by Ti:sapphire laser pulses and its limitations.
Optics letters, 39(18):5403, and PUBDB-2014-03566.
doi: 10.1364/OL.39.005403.
- C. B. Wunderer u. a.
The PERCIVAL Soft X-Ray Imager.
Journal of Instrumentation, 9:C03056, and PUBDB-2015-01177.
doi: 10.1088/1748-0221/9/03/C03056.
- M. Xin u. a.
One-femtosecond, long-term stable remote laser synchronization over a 35-km fiber link.
Optics express, 22(12):14904, and DESY-2014-03063.
doi: 10.1364/OE.22.014904.
- C. Xu u. a.
Influence of X-ray irradiation on the properties of the Hamamatsu silicon photomultiplier S10362-11-050C.
Nuclear instruments & methods in physics research / A, 762:149, and PUBDB-2014-03702.
doi: 10.1016/j.nima.2014.05.112.

- F. Xue u. a.
Crystallization Induced Layer-to-Layer Transitions in Symmetric PEO-b-PLLA Block Copolymer with Synchrotron Simultaneous SAXS/WAXS Investigations.
RSC Advances, 4(99):56346, and PUBDB-2015-01170.
doi: 10.1039/C4RA09284H.
- S. Yakunin u. a.
Model independent x-ray standing wave analysis of periodic multilayer structures.
Journal of applied physics, 115(13):134303, and DESY-2014-02652.
doi: 10.1063/1.4869540.
- A. Yamasaki u. a.
Bulk nature of layered perovskite iridates beyond the Mott scenario: An approach from a bulk-sensitive photoemission study.
Physical review / B, 89(12):121111, and DESY-2014-02504.
doi: 10.1103/PhysRevB.89.121111.
- Y. Yao u. a.
Nano- and Microstructures of Magnetic Field-Guided Maghemite Nanoparticles in Diblock Copolymer Films.
ACS applied materials & interfaces, 6(7):5244, and PUBDB-2015-01005.
doi: 10.1021/am500597t.
- O. Yefanov u. a.
Mapping the continuous reciprocal space intensity distribution of X-ray serial crystallography.
Philosophical transactions of the Royal Society of London / B, 369(1647):20130333, and DESY-2014-02891.
doi: 10.1098/rstb.2013.0333.
- Z. Yin u. a.
Probing the Hofmeister Effect with Ultrafast Core-Hole Spectroscopy.
The journal of physical chemistry / B, 118(31):9398, and PUBDB-2015-01127.
doi: 10.1021/jp504577a.
- C. H. Yoon u. a.
Conformation sequence recovery of a non-periodic object from a diffraction-before-destruction experiment.
Optics express, 22(7):8085, and DESY-2014-02799.
doi: 10.1364/OE.22.008085.
- U. Zastrau u. a.
Equilibration dynamics and conductivity of warm dense hydrogen.
Physical review / E, 90:013104, and DESY-2014-03077.
doi: 10.1103/PhysRevE.90.013104.
- U. Zastrau u. a.
Resolving Ultrafast Heating of Dense Cryogenic Hydrogen.
Physical review letters, 112(10):105002, and DESY-2014-02703.
doi: 10.1103/PhysRevLett.112.105002.
- A. Zelenakova u. a.
Magnetic nanocomposites of periodic mesoporous silica: The influence of the silica substrate dimensionality on the interparticle magnetic interactions.
Journal of alloys and compounds, 582:483, and DESY-2014-02242.
doi: 10.1016/j.jallcom.2013.07.188.
- V. V. Zelenogorskii u. a.
Scanning cross-correlator for monitoring uniform 3D ellipsoidal laser beams.
Quantum electronics, 44(1):76, and PUBDB-2014-04591, BMBF 05K10CHE; HRJG-400.
doi: 10.1070/QE2014v044n01ABEH015224.
- J. Zhang u. a.
Optimization of Radiation Hardness and Charge Collection of Edgeless Silicon Pixel Sensors for Photon Science.
12. 10th International Conference on Position Sensitive Detectors, Surrey (UK), 09/07/2014 - 09/12/2014.
Inst. of Physics, London, Sep. 2014.
doi: 10.1088/1748-0221/9/12/C12025.
- J. Zhang u. a.
Study of X-ray radiation damage in the AGIPD sensor for the European XFEL.
Journal of Instrumentation, 9(05):C05022, and PUBDB-2014-03701.
doi: 10.1088/1748-0221/9/05/C05022.
- P. Zhang, N.-I. Baboi und R. M. Jones.
Statistical Methods for Transverse Beam Position Diagnostics with Higher Order Modes in Third Harmonic 3.9GHz Superconducting Accelerating Cavities at FLASH.
Nuclear instruments & methods in physics research / A, 734(Part A):84, and DESY-2013-00598.
doi: 10.1016/j.nima.2012.11.057.
- P. Zhang u. a.
Preparation of long-range ordered nanostructures in semicrystalline diblock copolymer thin films using micromolding.
Chinese Journal of polymer science, 32(9):1188, and PUBDB-2014-03534.
doi: 10.1007/s10118-014-1506-x.
- W. Zhang u. a.
Tracking excited-state charge and spin dynamics in iron coordination complexes.
Nature / Physical science, 509(7500):345, and PUBDB-2014-04387.
doi: 10.1038/nature13252.
- X. Zhang u. a.
Pathway Mediated Microstructures and Phase Morphologies of Asymmetric Double Crystalline Co-Oligomers.
RSC Advances, 4(16):7900, and PUBDB-2015-00450.
doi: 10.1039/c3ra47499b.
- A. Zozulya u. a.
Embedded GaAs nanopillars studied by high resolution reciprocal space mapping and SEM.
Physica status solidi / A, 211(6):1319, and DESY-2014-02827.
doi: 10.1002/pssa.201300200.
- A. Zozulya u. a.
Wavefront preserving channel-cut optics for coherent x-ray scattering experiments at the P10 beamline at PETRAIII.
Journal of physics / Conference Series, 499:012003, and DESY-2014-02536.
doi: 10.1088/1742-6596/499/1/012003.

4 | POF2-890 - Ohne Topic

F.-J. Decker u. a.

Few-Femtosecond Time-Resolved Measurements of X-ray Free-Electron Lasers.

Nature Communications, 5:3762, and PUBDB-2015-01194.
doi: 10.1038/ncomms4762.

P. N. Juranić u. a.

A Scheme for a Shot-to-Shot, Femtosecond-Resolved Pulse Length and Arrival Time Measurement of Free Electron Laser X-Ray Pulses that Overcomes the Time Jitter Problem between the FEL and the Laser.

Journal of Instrumentation, 9(03):P03006, and PUBDB-2015-01096.
doi: 10.1088/1748-0221/9/03/P03006.

J. Lorkiewicz u. a.

Deposition and Optimization of Thin Lead Layers for Superconducting Accelerator Photocathodes.

Physica scripta, T161:014071, and PUBDB-2015-01095.
doi: 10.1088/0031-8949/2014/T161/014071.