

Philipp D Eller

List of Publications by Year in descending order

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232
papers

13,997
citations

19608

61
h-index

24915

109
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all docs

243
docs citations

243
times ranked

10940
citing authors

#	ARTICLE	IF	CITATIONS
1	First all-flavor search for transient neutrino emission using 3-years of IceCube DeepCore data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 027.	1.9	6
2	Search for High-energy Neutrinos from Ultraluminous Infrared Galaxies with IceCube. <i>Astrophysical Journal</i> , 2022, 926, 59.	1.6	7
3	Improved Characterization of the Astrophysical Muon neutrino Flux with 9.5 Years of IceCube Data. <i>Astrophysical Journal</i> , 2022, 928, 50.	1.6	67
4	Search for GeV-scale dark matter annihilation in the Sun with IceCube DeepCore. <i>Physical Review D</i> , 2022, 105, .	1.6	15
5	Parallelizing MCMC sampling via space partitioning. <i>Statistics and Computing</i> , 2022, 32, .	0.8	3
6	Strong Constraints on Neutrino Nonstandard Interactions from TeV-Scale $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msub} \langle \text{mml:mi} \hat{1} \rangle \langle \text{mml:mi} \hat{1} \rangle \langle \text{mml:mi} \hat{1} \rangle \langle \text{mml:mi} \hat{1} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Disappearance at IceCube. <i>Physical Review Letters</i> , 2022, 129, .	2.9	7
7	Searches for neutrinos from cosmic-ray interactions in the Sun using seven years of IceCube data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 025-025.	1.9	4
8	Measurements of the time-dependent cosmic-ray Sun shadow with seven years of IceCube data: Comparison with the Solar cycle and magnetic field models. <i>Physical Review D</i> , 2021, 103, .	1.6	8
9	Detection of a particle shower at the Glashow resonance with IceCube. <i>Nature</i> , 2021, 591, 220-224.	13.7	86
10	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2021, 910, 4.	1.6	18
11	IceCube-Gen2: the window to the extreme Universe. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 060501.	1.4	204
12	A Search for Time-dependent Astrophysical Neutrino Emission with IceCube Data from 2012 to 2017. <i>Astrophysical Journal</i> , 2021, 911, 67.	1.6	9
13	Search for GeV neutrino emission during intense gamma-ray solar flares with the IceCube Neutrino Observatory. <i>Physical Review D</i> , 2021, 103, .	1.6	5
14	IceCube high-energy starting event sample: Description and flux characterization with 7.5 years of data. <i>Physical Review D</i> , 2021, 104, .	1.6	142
15	Measurement of the high-energy all-flavor neutrino-nucleon cross section with IceCube. <i>Physical Review D</i> , 2021, 104, .	1.6	15
16	A convolutional neural network based cascade reconstruction for the IceCube Neutrino Observatory. <i>Journal of Instrumentation</i> , 2021, 16, P07041.	0.5	29
17	LeptonInjector and LeptonWeighter: A neutrino event generator and weighter for neutrino observatories. <i>Computer Physics Communications</i> , 2021, 266, 108018.	3.0	8
18	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	1.6	9

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19	All-flavor constraints on nonstandard neutrino interactions and generalized matter potential with three years of IceCube DeepCore data. <i>Physical Review D</i> , 2021, 104, .	1.6	13
20	Search for Multi-flare Neutrino Emissions in 10 yr of IceCube Data from a Catalog of Sources. <i>Astrophysical Journal Letters</i> , 2021, 920, L45.	3.0	12
21	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. <i>Astroparticle Physics</i> , 2020, 116, 102392.	1.9	3
22	Searching for eV-scale sterile neutrinos with eight years of atmospheric neutrinos at the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2020, 102, .	1.6	34
23	Design and performance of the first IceAct demonstrator at the South Pole. <i>Journal of Instrumentation</i> , 2020, 15, T02002-T02002.	0.5	3
24	In-situ calibration of the single-photoelectron charge response of the IceCube photomultiplier tubes. <i>Journal of Instrumentation</i> , 2020, 15, P06032-P06032.	0.5	14
25	IceCube Search for Neutrinos Coincident with Compact Binary Mergers from LIGO-Virgo's First Gravitational-wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2020, 898, L10.	3.0	30
26	Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU. <i>Physical Review D</i> , 2020, 101, .	1.6	25
27	Combined search for neutrinos from dark matter self-annihilation in the Galactic Center with ANTARES and IceCube. <i>Physical Review D</i> , 2020, 102, .	1.6	31
28	Computational techniques for the analysis of small signals in high-statistics neutrino oscillation experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 977, 164332.	0.7	2
29	Constraints on neutrino emission from nearby galaxies using the 2MASS redshift survey and IceCube. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 042-042.	1.9	5
30	Integration with an adaptive harmonic mean algorithm. <i>International Journal of Modern Physics A</i> , 2020, 35, 1950142.	0.5	4
31	Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	6
32	Cosmic ray spectrum from 250 TeV to 10 PeV using IceTop. <i>Physical Review D</i> , 2020, 102, .	1.6	17
33	Characteristics of the Diffuse Astrophysical Electron and Tau Neutrino Flux with Six Years of IceCube High Energy Cascade Data. <i>Physical Review Letters</i> , 2020, 125, 121104.	2.9	137
34	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020, 892, 53.	1.6	20
35	Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Yr of Data from the IceCube Observatory. <i>Astrophysical Journal</i> , 2020, 891, 9.	1.6	12
36	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020, 124, 051103.	2.9	221

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37	eV-Scale Sterile Neutrino Search Using Eight Years of Atmospheric Muon Neutrino Data from the IceCube Neutrino Observatory. <i>Physical Review Letters</i> , 2020, 125, 141801.	2.9	57
38	Development of an analysis to probe the neutrino mass ordering with atmospheric neutrinos using three years of IceCube DeepCore data. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	12
39	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. <i>Astrophysical Journal</i> , 2020, 890, 111.	1.6	20
40	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. <i>Astrophysical Journal</i> , 2020, 893, 102.	1.6	11
41	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. <i>Astrophysical Journal</i> , 2020, 892, 92.	1.6	25
42	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. <i>Astrophysical Journal</i> , 2020, 898, 117.	1.6	21
43	Investigation of Two Fermi-LAT Gamma-Ray Blazars Coincident with High-energy Neutrinos Detected by IceCube. <i>Astrophysical Journal</i> , 2019, 880, 103.	1.6	60
44	Search for transient optical counterparts to high-energy IceCube neutrinos with Pan-STARRS1. <i>Astronomy and Astrophysics</i> , 2019, 626, A117.	2.1	13
45	Efficient propagation of systematic uncertainties from calibration to analysis with the SnowStorm method in IceCube. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 048-048.	1.9	14
46	Cosmic ray spectrum and composition from PeV to EeV using 3 years of data from IceTop and IceCube. <i>Physical Review D</i> , 2019, 100, .	1.6	76
47	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019, 886, 12.	1.6	53
48	Search for steady point-like sources in the astrophysical muon neutrino flux with 8 years of IceCube data. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	75
49	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. <i>Physical Review D</i> , 2019, 99, .	1.6	53
50	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	1.6	32
51	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. <i>Astrophysical Journal</i> , 2019, 871, 96.	1.6	32
52	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. <i>Astrophysical Journal</i> , 2019, 872, 133.	1.6	7
53	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , 2019, 122, 051102.	2.9	23
54	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. <i>Physical Review D</i> , 2019, 99, .	1.6	55

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55	Measurement of Atmospheric Neutrino Oscillations at 6–56 GeV with IceCube DeepCore. <i>Physical Review Letters</i> , 2018, 120, 071801.	2.9	88
56	Search for nonstandard neutrino interactions with IceCube DeepCore. <i>Physical Review D</i> , 2018, 97, .	1.6	23
57	Astrophysical neutrinos and cosmic rays observed by IceCube. <i>Advances in Space Research</i> , 2018, 62, 2902-2930.	1.2	20
58	High-statistics and GPU Accelerated Data Analysis. <i>Journal of Physics: Conference Series</i> , 2018, 1085, 042033.	0.3	0
59	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , 2018, 868, L20.	3.0	64
60	Search for neutrinos from decaying dark matter with IceCube. <i>European Physical Journal C</i> , 2018, 78, 831.	1.4	62
61	Differential limit on the extremely-high-energy cosmic neutrino flux in the presence of astrophysical background from nine years of IceCube data. <i>Physical Review D</i> , 2018, 98, .	1.6	131
62	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	6.0	654
63	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. <i>Science</i> , 2018, 361, 147-151.	6.0	601
64	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. <i>Astrophysical Journal</i> , 2018, 857, 117.	1.6	22
65	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , 2017, 835, 151.	1.6	198
66	Measurements of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}}\text{jet})$ production cross section in lepton+jet final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. <i>European Physical Journal C</i> , 2017, 77, 15.	1.4	34
67	PINGU: a vision for neutrino and particle physics at the South Pole. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 054006.	1.4	45
68	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	54
69	Search for electroweak production of charginos in final states with two \bar{l}, l leptons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
70	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 92.	1.4	16
71	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 236.	1.4	37
72	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017, 92, 30-41.	1.9	116

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73	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017, 12, P03012-P03012.	0.5	390
74	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , 2017, 846, 136.	1.6	21
75	Search for sterile neutrino mixing using three years of IceCube DeepCore data. <i>Physical Review D</i> , 2017, 95, .	1.6	75
76	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, .	1.6	40
77	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	35
78	Search for annihilating dark matter in the Sun with 3 years of IceCube data. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	111
79	Measurement of the μ energy spectrum with IceCube-79. <i>European Physical Journal C</i> , 2017, 77, 692.	1.4	24
80	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35.	3.0	135
81	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , 2017, 849, 67.	1.6	95
82	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017, 843, 112.	1.6	116
83	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
84	First search for dark matter annihilations in the Earth with the IceCube detector. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	20
85	Measurement of electroweak-induced production of W^3 with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
86	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
87	Search for neutrinos from dark matter self-annihilations in the center of the Milky Way with 3 years of IceCube/DeepCore. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	62
88	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 751.	1.4	30
89	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
90	Multiwavelength follow-up of a rare IceCube neutrino multiplet. <i>Astronomy and Astrophysics</i> , 2017, 607, A115.	2.1	33

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91	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
92	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. Astrophysical Journal, 2016, 833, 3.	1.6	336
93	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
94	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74
95	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
96	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
97	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 317.	1.4	16
98	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
99	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 PeV with IceCube. Physical Review Letters, 2016, 117, 241101.	2.9	111
100	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
101	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
102	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
103	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
104	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
105	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
106	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
107	Search for s channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
108	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.	1.4	29

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109	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
110	Measurement of the $t\bar{t}\hat{A}$ production cross section in the $e\bar{e}\gamma$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
111	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
112	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
113	Evidence for exclusive $\hat{t}\bar{t}W + W\hat{a}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
114	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
115	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	1.4	18
116	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
117	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
118	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	6
119	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
120	Measurement of $t\bar{t}\hat{A}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	1.4	34
121	Measurement of the differential cross section and charge asymmetry for inclusive $p\bar{p} \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
122	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
123	Search for $W\hat{a}tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
124	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
125	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
126	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16

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127	Measurement of the $\sigma(\text{pp} \rightarrow t\bar{t})$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
128	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
129	Search for massive WH resonances decaying into the $\text{b}\bar{\text{b}}$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
130	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
131	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
132	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \text{jets}$ and $e^+e^- \rightarrow \text{jets} + \nu\bar{\nu}$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
133	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau\tau$, leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
134	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 13.	1.4	62
135	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
136	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
137	Search for third-generation scalar leptoquarks in the $\tau\bar{\tau}$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
138	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
139	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
140	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
141	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
142	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
143	Search for a light charged Higgs boson decaying to $c\bar{c}$ in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
144	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24

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145	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
146	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
147	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
148	Measurement of the $Z\tilde{\chi}^0_3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
149	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
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156	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	1.4	88
157	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	1.4	44
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162	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78

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177	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
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182	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	55
183	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, 2014, 1.	1.6	48
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185	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$, ext {TeV} s = 8 TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
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188	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
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205	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
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209	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
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214	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	33
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221	Measurement of masses in the $\mathrm{t}\overline{\mathrm{t}}$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
222	Measurement of the $\mathrm{t}\overline{\mathrm{t}}$ production cross section in the $\ell, +\text{jets}$ channel in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
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