

Esben B Klinkby

List of Publications by Year in descending order

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Version: 2024-02-01

382
papers

29,603
citations

9775

73
h-index

6128

159
g-index

386
all docs

386
docs citations

386
times ranked

11978
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved beam extraction at compact neutron sources using diamonds nanoparticles and supermirrors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1033, 166719.	0.7	6
2	Computing and Detector Simulation Framework for the HIBEAM/NNBAR Experimental Program at the ESS. EPJ Web of Conferences, 2021, 251, 02062.	0.1	7
3	Experimental study of concrete activation compared to MCNP simulations for safety of neutron sources. Applied Radiation and Isotopes, 2021, 171, 109644.	0.7	4
4	New high-sensitivity searches for neutrons converting into antineutrons and/or sterile neutrons at the HIBEAM/NNBAR experiment at the European Spallation Source. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 070501.	1.4	33
5	Verification of multiphysics coupling techniques for modeling of molten salt reactors. Annals of Nuclear Energy, 2021, 164, 108578.	0.9	8
6	Assessment of shutdown dose rates in the ITER Collective Thomson Scattering system and in equatorial port plug 12. Journal of Instrumentation, 2021, 16, C12001.	0.5	2
7	Neutron activation properties of ^{12}C -concrete assessed by measurements and simulations. Journal of Neutron Research, 2020, 21, 87-94.	0.4	3
8	Assessment of shutdown dose rates at the ESS target cooling system using SCALE6.2. Journal of Neutron Research, 2020, 22, 309-318.	0.4	0
9	Shielding analysis of the ITER Collective Thomson Scattering system. Fusion Engineering and Design, 2020, 161, 111994.	1.0	4
10	Low-dimensional moderators at ESS and compact neutron sources. EPJ Web of Conferences, 2020, 231, 04006.	0.1	4
11	The performance of ESS spectrometers in comparison with instruments at a short-pulse source. Journal of Neutron Research, 2020, 22, 71-85.	0.4	6
12	Neutronic Design of the Bunker Shielding for the European Spallation Source. Journal of Surface Investigation, 2020, 14, S251-S253.	0.1	4
13	Development of high intensity neutron source at the European Spallation Source. Journal of Neutron Research, 2020, 22, 209-219.	0.4	21
14	Modeling the electron cyclotron emission below the fundamental resonance in ITER. Plasma Physics and Controlled Fusion, 2019, 61, 095002.	0.9	9
15	Design and development of the ITER CTS diagnostic. EPJ Web of Conferences, 2019, 203, 03002.	0.1	17
16	Mitigation of EC breakdown in the gyrotron transmission line of the ITER Collective Thomson Scattering diagnostic via a Split Biased Waveguide. Journal of Instrumentation, 2019, 14, C11009-C11009.	0.5	5
17	Inference of $\langle i \rangle_{\pm}$ -particle density profiles from ITER collective Thomson scattering. Nuclear Fusion, 2019, 59, 096051.	1.6	9
18	Rejection-based sampling of inelastic neutron scattering. Journal of Computational Physics, 2019, 380, 400-407.	1.9	15

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19	Thermo-structural analyses of the in-vessel components of the ITER collective Thomson scattering system. <i>Fusion Engineering and Design</i> , 2019, 140, 123-132.	1.0	4
20	Design of the cold and thermal neutron moderators for the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 925, 33-52.	0.7	34
21	Simulation tools for detector and instrument design. <i>Physica B: Condensed Matter</i> , 2018, 551, 386-389.	1.3	14
22	Neutron Beam Extraction and tailoring useful neutrons to instruments at ESS. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012035.	0.3	1
23	The neutron moderators for the European Spallation Source. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012066.	0.3	11
24	Development of a target imaging system for the European Spallation Source. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012020.	0.3	1
25	Preparation for activation measurements of concrete and PE-B4C-concrete to be applied for shielding at the European Spallation Source. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012050.	0.3	2
26	Experimental validation of the brightness distribution on the surfaces of coupled and decoupled moderators composed of 99.8% parahydrogen at the J-PARC pulsed spallation neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 903, 38-45.	0.7	9
27	Neutronics analysis of the ITER Collective Thomson Scattering system. <i>Fusion Engineering and Design</i> , 2018, 134, 22-28.	1.0	10
28	Alpha-particle velocity-space diagnostic in ITER. <i>Nuclear Fusion</i> , 2018, 58, 096019.	1.6	31
29	General use of low-dimensional moderators in neutron sources. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012009.	0.3	6
30	Radiation challenges of primary cooling return water at the ESS. <i>Journal of Physics: Conference Series</i> , 2018, 1021, 012051.	0.3	0
31	Shielding activated return water at the ESS. <i>Journal of Physics: Conference Series</i> , 2018, 1046, 012011.	0.3	0
32	Optimization of moderators and beam extraction at the ESS. <i>Journal of Applied Crystallography</i> , 2018, 51, 264-281.	1.9	44
33	Using Back-Scattering to Enhance Efficiency in Neutron Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2017, , 1-1.	1.2	2
34	Monte Carlo Particle Lists: MCPL. <i>Computer Physics Communications</i> , 2017, 218, 17-42.	3.0	24
35	Neutron total cross section calculation within the framework of quasi-harmonic approximation. <i>New Journal of Physics</i> , 2017, 19, 103027.	1.2	7
36	Molten salt thermal wasteburner. , 2017, , 609-618.		1

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37	Neutron guide shielding for the BIFROST spectrometer at ESS. Journal of Physics: Conference Series, 2016, 746, 012027.	0.3	0
38	Fundamental physics possibilities at the European Spallation Source. Journal of Physics: Conference Series, 2016, 746, 012051.	0.3	3
39	High power microwave diagnostic for the fusion energy experiment ITER. , 2016, , .		4
40	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	1.4	60
41	Demonstration of a single-crystal reflector-filter for enhancing slow neutron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 454-460.	0.7	4
42	Material assessment for ITER's collective Thomson Scattering first mirror. , 2015, , .		1
43	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
44	Broad spectrum moderators and advanced reflector filters using 208 Pb. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 769, 1-4.	0.7	3
45	Low dimensional neutron moderators for enhanced source brightness. Journal of Neutron Research, 2014, 17, 101-105.	0.4	47
46	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, 2014, 16, 113013.	1.2	24
47	New developments in the McStas neutron instrument simulation package. Journal of Physics: Conference Series, 2014, 528, 012035.	0.3	9
48	Search for Quantum Black Hole Production in High-Invariant-Mass Lepton-Jet Final States Using	2.9	35
49	Flavor-tagged time-dependent angular analysis of the production and extraction of	1.6	71
50	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z-boson and missing transverse momentum	2.9	130
51	Search for a multi-Higgs-boson cascade in	1.6	90
52	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z-boson in ATLAS. Physical Review Letters, 2014, 112, .	2.9	130
53	Search for a multi-Higgs-boson cascade in	1.6	58
54	Search for a multi-Higgs-boson cascade in with the ATLAS detector in	1.6	15

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55	Measurement of the parity-violating asymmetry parameter A_{FB}^{ℓ} and the helicity amplitudes for the decay $B \rightarrow \ell \nu \ell \bar{\nu}$. <i>Physical Review D</i> , 2014, 89, .	1.6	26
56	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2014, 89, .	1.6	12
57	Search for Dark Matter in Events with a Hadronically Decaying W Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2014, 112, 041802.	2.9	129
58	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. <i>European Physical Journal C</i> , 2014, 74, 3034.	1.4	58
59	In-Pile ^4He Source for UCN Production at the ESS. <i>Advances in High Energy Physics</i> , 2014, 2014, 1-4.	0.5	2
60	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 732, 8-27.	1.4	27
61	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	42
62	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.5	8
63	MoStas event logger: Definition and applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 738, 20-24.	0.7	8
64	The differential production cross section of the $\phi(1020)$ meson in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 2895.	1.4	13
65	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014, 74, 2941.	1.4	204
66	Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	23
67	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	22
68	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	88
69	Measurement of the production cross section of prompt J/ψ mesons in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	35
70	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	36
71	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	59
72	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25

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73	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, 2014, 1.	1.6	59
74	Measurement of $t\bar{t}$ c1 and $t\bar{t}$ c2 production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
75	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.	1.6	53
76	Standalone vertex finding in the ATLAS muon spectrometer. Journal of Instrumentation, 2014, 9, P02001-P02001.	0.5	15
77	Monitoring and data quality assessment of the ATLAS liquid argon calorimeter. Journal of Instrumentation, 2014, 9, P07024-P07024.	0.5	16
78	"m=1" coatings for neutron guides. Journal of Physics: Conference Series, 2014, 528, 012005.	0.3	3
79	Application of the MCNPX-McStas interface for shielding calculations and guide design at ESS. Journal of Physics: Conference Series, 2014, 528, 012032.	0.3	3
80	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
81	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
82	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
83	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	137
84	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0_1$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
85	Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19
86	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
87	Measurement of k_T splitting scales in $W\tilde{t}\tilde{a}, \tilde{t}\tilde{t}^*$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
88	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c\bar{s}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	1.4	119
89	Search for high-mass resonances decaying to $t\bar{t}$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.5	21
90	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-260.	1.5	21

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91	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 223-242.	1.5	67
92	Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 223-242.	1.5	67
93	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	1.5	67
94	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.5	307
95	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	1.5	295
96	Search for resonances in the lepton plus jets final state with ATLAS using $\sqrt{s}=7$ TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.6	39
97	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	102
98	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, 2013, 2013, 1.	1.6	71
99	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	1.6	31
100	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
101	Improved luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
102	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	1.4	105
103	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
104			

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109	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	81
110	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	64
111	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	59
112	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
113	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 24-31.	1.5	11
114	Search for high-top square pair production in final states with leptons and b-jets with the ATLAS detector in proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 24-31.	1.5	195
115	Search for pair production of heavy top-like quarks decaying to a high-mass dilepton plus jets final state at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	1.5	169
116	Simulation of transition radiation and electron identification ability of the ATLAS TRT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 706, 79-82.	0.7	0
119	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 24-31.	1.5	6
120	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	1.5	40
121	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	1.5	33
122	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	1.5	44
123	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	61
124	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	45

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127	Interfacing MCNPX and McStas for simulation of neutron transport. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 700, 106-110.	0.7	17
128	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in \sqrt{s} collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	1.5	24
129	Search for new phenomena in the final states with two leptons and missing transverse momentum in \sqrt{s} collisions with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	27
130	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 879-901.	1.5	37
131	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
132	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
133	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	1.4	209
134	Measurement of the σ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
135	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 232002.	2.9	57
136	Search for excited electrons and muons in $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. New Journal of Physics, 2013, 15, 093011.	1.2	23
137	Measurement of hard double-parton interactions in W + 2 -jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	1.2	147
138	Search for W production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
139	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	1.2	41
140	Search for resonant diboson production in the WW/WZ decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	1.6	18
141	Observation of Associated Near-Side and Away-Side Long-Range Correlations in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2013, 111, 232002.	1.6	112
142	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 7$ TeV data. Physical Review D, 2013, 87, .	1.6	112
143	Measurement of ϵ production in pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78
144	Search for nonpointing photons in the diphoton and W + photon final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	16

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145	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 88, .	2.9	105
146	Search for long-lived stopped R -hadrons decaying out of time with pp collisions using the ATLAS detector. Physical Review D, 2013, 88, .	1.6	57
147	Measurement of charged-particle event shape variables in inclusive pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	35
148	Measurement of charged-particle event shape variables in inclusive pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	12
149	Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	2.9	63
150	Measurement of W boson production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	76
151	Measurement of the W boson production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	14
152	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	14
153	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	14
154	Measurements of W boson production and Z boson production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	60
155	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.	2.9	59
156	Preliminary assessment of Geant4 HP models and cross section libraries by reactor criticality benchmark calculations. , 2013, , .		0
157	Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. Journal of Instrumentation, 2013, 8, P07004-P07004.	0.5	59
158	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	0.5	48
159	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
160	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	3
161	Search for resonant top quark plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	16
162	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.	2.9	63

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165	Search for New Phenomena in $t\bar{t}$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review Letters, 2012, 108, 181802.	2.9	46
166	Search for Pair Production of a Heavy Up-Type Quark Decaying to a Bottom Quark and a Bottom Quark in the $t\bar{t}$ Decay Channel in pp Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 108, 181802.	2.9	31
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171	Search for Resonances in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 081801.	2.9	33
172	Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	12
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175	Search for the Higgs Boson in the $H\rightarrow WW^{(*)}\rightarrow l\bar{\nu}_l\nu_l\bar{\nu}_l$ Decay Channel in pp Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35
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178	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	26
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209	Search for the decay $B \rightarrow \tau^+ \tau^- \gamma$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	2.9	171
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218	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	1.5	14
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256	Measurement of the cross section for the production of a W boson in association with b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	20
257	Measurement of the cross section for the production of a W boson in association with b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	20
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264	Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	58
265	Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	58
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270	Search for diphoton events with large missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	1.5	21

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290	Measurement of the differential cross sections of inclusive, prompt and non-prompt K_S^0 production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, 112002.	1.6	121
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294	Stretchy="false"></mml:mo><mml:mi>f</mml:mi></mml:math> production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, 112002.	0.5	0
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302	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, 112002.	1.5	49
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308	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
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319	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
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323	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
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