

Salvatore Fazio

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454
papers

23,902
citations

68
h-index

136
g-index

479
ext. papers

27,182
ext. citations

4.7
avg. IF

5.85
L-index

#	Paper	IF	Citations
454	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 1-29	4.2	5271
453	Electron-Ion Collider: The next QCD frontier. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	512
452	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 252303	7.4	458
451	Combined measurement and QCD analysis of the inclusive $e + p$ scattering cross sections at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	370
450	Global Λ hyperon polarization in nuclear collisions. <i>Nature</i> , 2017 , 548, 62-65	50.4	325
449	Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , 2012 , 86,	2.7	313
448	Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 49-66	4.2	301
447	Energy dependence of moments of net-proton multiplicity distributions at RHIC. <i>Physical Review Letters</i> , 2014 , 112, 032302	7.4	299
446	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
445	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011 , 13, 053033	2.9	259
444	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
443	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
442	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. <i>Physical Review C</i> , 2017 , 96,	2.7	211
441	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
440	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 330-348	4.2	200
439	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
438	Beam energy dependence of moments of the net-charge multiplicity distributions in Au+Au collisions at RHIC. <i>Physical Review Letters</i> , 2014 , 113, 092301	7.4	197

437	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
436	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 220-241	4.2	165
435	Search for the standard model Higgs boson in the diphoton decay channel with 4.9 fb ⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 111803	7.4	157
434	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
433	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 67-85	4.2	142
432	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
431	Observation of D0 meson nuclear modifications in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review Letters</i> , 2014 , 113, 142301	7.4	136
430	Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ ψ production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , 2011 , 850, 387-444	2.8	130
429	Beam-energy dependence of the directed flow of protons, antiprotons, and pions in Au+Au collisions. <i>Physical Review Letters</i> , 2014 , 112, 162301	7.4	129
428	Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 131802	7.4	125
427	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
426	Beam-energy dependence of charge separation along the magnetic field in Au+Au collisions at RHIC. <i>Physical Review Letters</i> , 2014 , 113, 052302	7.4	120
425	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	114
424	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ (\overline{t}) events using pp collision data at ($\sqrt{s} = 7$; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
423	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	112
422	Global polarization of Λ hyperons in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2018 , 98,	2.7	110
421	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 186-203	4.2	108
420	A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>New Journal of Physics</i> , 2011 , 13, 053044	2.9	108

419	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	107
418	Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 363-382	4.2	104
417	Search for doubly charged Higgs bosons in like-sign dilepton final states at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
416	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
415	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb^{-1} of $\sqrt{s}=7$ TeV proton-proton collision data. <i>Physical Review D</i> , 2013 , 87,	4.9	101
414	Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 011802	7.4	99
413	Inclusive charged hadron elliptic flow in Au + Au collisions at $\sqrt{s_{NN}}=7.7\text{--}9$ GeV. <i>Physical Review C</i> , 2012 , 86,	2.7	98
412	Determination of the strange-quark density of the proton from ATLAS measurements of the W - \bar{b} and Z - \bar{b} cross sections. <i>Physical Review Letters</i> , 2012 , 109, 012001	7.4	98
411	Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 161801	7.4	97
410	Measurement of the centrality dependence of J/ψ yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 294-312	4.2	97
409	Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	96
408	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}}=7.7\text{--}2.4$ GeV. <i>Physical Review C</i> , 2013 , 88,	2.7	92
407	Measurement of the t-channel single top-quark production cross section in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 330-350	4.2	91
406	An NLO QCD analysis of inclusive cross-section and jet-production data from the ZEUS experiment. <i>European Physical Journal C</i> , 2005 , 42, 1-16	4.2	88
405	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow Z(\gamma) + \bar{b}b$ with 4.8 fb^{-1} of pp collision data at $\sqrt{s}=7$ TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 383-402	4.2	86
404	Third harmonic flow of charged particles in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2013 , 88,	2.7	86
403	Measurement of $[\text{Formula: see text}]$ production with a veto on additional central jet activity in collisions at $[\text{Formula: see text}]$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
402	Measurements of $D0$ and D^* production in p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2012 , 86,	4.9	79

401	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
400	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
399	Observation of a new (b) state in radiative transitions to $(1S)$ and $(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001	7.4	77
398	Search for dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 272002	7.4	74
397	Collision energy dependence of moments of net-kaon multiplicity distributions at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 551-560	4.2	74
396	Observation of an energy-dependent difference in elliptic flow between particles and antiparticles in relativistic heavy ion collisions. <i>Physical Review Letters</i> , 2013 , 110, 142301	7.4	73
395	Search for new physics in the dijet mass distribution using 1 fb of pp collision data at $\sqrt{s}=7$ TeV collected by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 37-54	4.2	72
394	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
393	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
392	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. <i>Physical Review Letters</i> , 2015 , 114, 252302	7.4	71
391	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
390	Search for direct top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions using 4.7 fb of ATLAS data. <i>Physical Review Letters</i> , 2012 , 109, 211803	7.4	70
389	Fluctuations of charge separation perpendicular to the event plane and local parity violation in $\sqrt{s_{NN}}=200$ GeV Au + Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2013 , 88,	2.7	70
388	Measurement of $W+W$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector and limits on anomalous WWZ and WW couplings. <i>Physical Review D</i> , 2013 , 87,	4.9	70
387	Measurement of χ production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , 2013 , 87,	4.9	68
386	Suppression of χ production in d+Au and Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 735, 127-137	4.2	67
385	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$; TeV) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
384	Observation of spin correlation in $t\bar{t}$ events from pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 212001	7.4	67

383	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 711, 244-263	4.2	64
382	Exclusive photoproduction of η mesons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 4-12	4.2	63
381	Exclusive electroproduction of η mesons at HERA. <i>Nuclear Physics B</i> , 2005 , 718, 3-31	2.8	63
380	Measurement of D^0 Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2017 , 118, 212301	7.4	60
379	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. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
378	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 89,	2.7	59
377	Transverse single-spin asymmetry and cross section for D and \bar{D} mesons at large Feynman x in $p+p$ collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2012 , 86,	4.9	58
376	Measurement of the W and Z/γ^* production cross sections in proton-proton collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
375	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. <i>Physical Review Letters</i> , 2012 , 109, 211802	7.4	57
374	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	55
373	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
372	Search for the decay $\eta \rightarrow \gamma \gamma$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 387-407	4.2	55
371	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 142-159	4.2	55
370	Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. <i>Journal of Instrumentation</i> , 2013 , 8, P07004-P07004	1	55
369	Measurement of the transverse momentum distribution of η mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 415-434	4.2	55
368	$\langle \eta \rangle$ Correlation function in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2015 , 114, 022301	7.4	54
367	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 137-157	4.2	54
366	Measurement of the longitudinal proton structure function at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 682, 8-22	4.2	54

365	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 398-416	4.2	54
364	Search for scalar bottom quark pair production with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181802	7.4	54
363	Azimuthal Anisotropy in U+U and Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , 2015 , 115, 222301	7.4	53
362	Long-range pseudorapidity dihadron correlations in d + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 265-271	4.2	53
361	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	53
360	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using 1 fb ⁻¹ of ATLAS data. <i>Physical Review D</i> , 2012 , 85,	4.9	53
359	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
358	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 694, 327-345	4.2	53
357	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
356	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 294-312	4.2	52
355	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 1-19	4.2	52
354	Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 022301	7.4	51
353	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
352	Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2012 , 86,	4.9	51
351	The electron-ion collider: assessing the energy dependence of key measurements. <i>Reports on Progress in Physics</i> , 2019 , 82, 024301	14.4	50
350	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
349	Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	49
348	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s}=7$ TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48

347	Search for a light Higgs boson decaying to long-lived weakly interacting particles in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 251801	7.4	48
346	Deep inelastic scattering with leading protons or large rapidity gaps at HERA. <i>Nuclear Physics B</i> , 2009 , 816, 1-61	2.8	47
345	Measurement of interaction between antiprotons. <i>Nature</i> , 2015 , 527, 345-8	50.4	46
344	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. <i>Physical Review C</i> , 2015 , 92,	2.7	46
343	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 172002	7.4	46
342	Search for new phenomena in tt events with large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041805	7.4	46
341	Measurement of longitudinal spin asymmetries for weak boson production in polarized proton-proton collisions at RHIC. <i>Physical Review Letters</i> , 2014 , 113, 072301	7.4	45
340	Measurement of ZZ production in pp collisions at ($\sqrt{s}=7$) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
339	Dielectron mass spectra from Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2014 , 113, 022301	7.4	45
338	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ($\sqrt{s}=7$;mathrm{TeV}) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
337	Search for magnetic monopoles in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 261803	7.4	45
336	Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
335	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7$ mbox{TeV}). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
334	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2015 , 115, 092002	7.4	44
333	Search for the Standard Model Higgs boson in the H- $\tau\tau$ -decay mode with 4.7 fb of ATLAS data at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 62-81	4.2	44
332	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
331	A QCD analysis of ZEUS diffractive data. <i>Nuclear Physics B</i> , 2010 , 831, 1-25	2.8	44
330	Measurement of underlying event characteristics using charged particles in pp collisions at $s=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	44

329	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = \{7\}, \{\text{TeV}\}$ with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
328	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 28-46	4.2	43
327	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 438-458	4.2	42
326	Measurement of the top quark mass with the template method in the $[B \rightarrow D^* \ell \bar{\nu}]$ channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
325	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using 35 pb^{-1} of ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 150-167	4.2	42
324	Further search for supersymmetry at $\sqrt{s} = 7 \text{ TeV}$ in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	42
323	Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA. <i>European Physical Journal C</i> , 2010 , 65, 65-79	4.2	42
322	Polarization of $\Lambda(\overline{\Lambda})$ Hyperons along the Beam Direction in Au+Au Collisions at $\sqrt{s_{NN}} = 200 \text{ GeV}$. <i>Physical Review Letters</i> , 2019 , 123, 132301	7.4	41
321	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in dilepton final states with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 459-477	4.2	41
320	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}} = 200 \text{ GeV}$ from the STAR experiment. <i>Physical Review C</i> , 2015 , 92,	2.7	41
319	J/ψ production at low pT in Au + Au and Cu + Cu collisions at $\sqrt{s_{NN}} = 200 \text{ GeV}$ with the STAR detector. <i>Physical Review C</i> , 2014 , 90,	2.7	41
318	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
317	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
316	Study of jets produced in association with a W boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	41
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313	Measurement of the Transverse Single-Spin Asymmetry in $p^{\pm} + p - W^{\pm} / Z^0$ at RHIC. <i>Physical Review Letters</i> , 2016 , 116, 132301	7.4	40
312	Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 158-176	4.2	40

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310	Search for neutral MSSM Higgs bosons decaying to $\tau\tau$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 174-192	4.2	40
309	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 280-298	4.2	39
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306	Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , 2007 , 765, 1-30	2.8	38
305	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and ϕ Meson in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , 2016 , 116, 062301	7.4	37
304	Search for pair production of heavy top-like quarks decaying to a high- p_T W boson and a b quark in the lepton plus jets final state at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1284-1302	4.2	37
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302	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $(\sqrt{s}=7, \sqrt{s}=8)$ TeV pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
301	Limits on the production of the standard model Higgs boson in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
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298	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 478-496	4.2	35
297	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 538-556	4.2	35
296	Search for FCNC single top-quark production at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 351-369	4.2	35
295	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	35
294	Search for second generation scalar leptoquarks in pp collisions at $(\sqrt{s}=7\sim 8)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35

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289	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. <i>Physical Review Letters</i> , 2012 , 108, 241802	7.4	35
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280	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , 2016 , 116, 112302	7.4	33
279	Measurement of the WW cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 289-308	4.2	33
278	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 13-31	4.2	33
277	Measurement of the W charge asymmetry in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 31-49	4.2	33
276	Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 111802	7.4	32

275	Diffractive photoproduction of dijets in ep collisions at HERA. <i>European Physical Journal C</i> , 2008 , 55, 177-191	4.2	31
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273	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ($\sqrt{s} = 7$ TeV) with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
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271	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s}=7$ TeV) proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
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245	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 61, 223-235	4.2	26
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243	Jet-like correlations with direct-photon and neutral-pion triggers at $s_{NN}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 689-696	4.2	26
242	Measurement of the H^{\pm} lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2018 , 97,	2.7	26
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239	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	25
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235	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. <i>Nature Physics</i> , 2020 , 16, 409-412	16.2	24
234	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 27-36	4.2	24
233	Single spin asymmetry A_N in polarized proton-proton elastic scattering at $\sqrt{s}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 62-69	4.2	24
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224	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
223	Measurement of the $W^+ W^-$ cross section in $\sqrt{s}=7$ TeV pp collisions with ATLAS. <i>Physical Review Letters</i> , 2011 , 107, 041802	7.4	23
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215	. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
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179	Measurement of open beauty production at HERA in the $D^*\tau$ final state. <i>European Physical Journal C</i> , 2007 , 50, 299-314	4.2	17
178	Measurement of K_0^S , Λ and Σ production at HERA. <i>European Physical Journal C</i> , 2007 , 51, 1-23	4.2	17
177	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 322-340	4.2	16
176	Dijet imbalance measurements in Au+Au and pp collisions at $\sqrt{s_{NN}}=200$ GeV at STAR. <i>Physical Review Letters</i> , 2017 , 119, 062301	7.4	16
175	Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at $s=200$ GeV. <i>Physical Review D</i> , 2017 , 95,	4.9	16
174	Energy dependence of K^*p and Kp fluctuations in Au + Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. <i>Physical Review C</i> , 2015 , 92,	2.7	16
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164	Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 331-350	4.2	15
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158	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2018 , 98,	2.7	15
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156	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
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154	A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2083	4.2	14
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143	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	13
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135	Measurement of inclusive J/ψ suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV through the dimuon channel at STAR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134917	4.2	12
134	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s}=500$ GeV. <i>Physical Review D</i> , 2018 , 97,	4.9	12
133	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2018 , 98,	2.7	12
132	Charge-dependent pair correlations relative to a third particle in p + Au and d + Au collisions at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134975	4.2	12

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130	The differential production cross section of the $[Formula: see text](1020)$ meson in $[Formula: see text] = 7\text{TeV}$ $[Formula: see text]$ collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2895	4.2	12
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128	Search for a standard model Higgs boson in the $H \rightarrow Z\gamma$ decay channel using 4.7fb of $s=7\text{TeV}$ data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 29-48	4.2	12
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124	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2007 , 51, 289-299	4.2	12
123	Multijet production at low in deep inelastic scattering at HERA. <i>Nuclear Physics B</i> , 2007 , 786, 152-180	2.8	12
122	Strange hadron production in Au+Au collisions at $s_{NN}=7.7, 11.5, 19.6, 27,$ and 39GeV . <i>Physical Review C</i> , 2020 , 102,	2.7	12
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114	Freeze-out dynamics via charged kaon femtoscopy in $s_{NN}=200\text{GeV}$ central Au + Au collisions. <i>Physical Review C</i> , 2013 , 88,	2.7	11

113	Measurement of W and Z production in proton-proton collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11
112	Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $(\sqrt{s})=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	11
111	Search for production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s}=7$ TeV collected by the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 211802	7.4	11
110	Beauty photoproduction using decays into electrons at HERA. <i>Physical Review D</i> , 2008 , 78,	4.9	11
109	Forward-jet production in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2007 , 52, 515-530	4.2	11
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107	Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 745, 40-47	4.2	10
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105	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in p + p collisions at $\sqrt{s}=500$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 332-339	4.2	10
104	Di-hadron correlations with identified leading hadrons in 200 GeV Au + Au and d + Au collisions at STAR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 233-240	4.2	10
103	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
102	Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in $p+p$ at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2015 , 115, 242501	7.4	10
101	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
100	Exclusive diffractive production of real photons and vector mesons in a factorized Regge-pole model with nonlinear Pomeron trajectory. <i>Physical Review D</i> , 2012 , 85,	4.9	10
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98	Search for the Higgs boson in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 391-410	4.2	10
97	Measurement of charged-particle event shape variables in inclusive $(\sqrt{s})=7$ TeV proton-proton interactions with the ATLAS detector. <i>Physical Review D</i> , 2013 , 88,	4.9	10
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95	Collision-energy dependence of pt correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2019 , 99,	2.7	9
94	Search for a Standard Model Higgs boson in the mass range 200–800 GeV in the H→ZZ→4q decay channel with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 70-88	4.2	9
93	Reggeometry of Deeply Virtual Compton Scattering and Exclusive Vector Meson Production at HERA. <i>Acta Physica Polonica B</i> , 2013 , 44, 1333	1.9	9
92	Bose-Einstein correlations of charged and neutral kaons in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 652, 1-12	4.2	9
91	Measurement of D mesons production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2007 , 2007, 074-074	5.4	9
90	Measurement of inelastic (J/ψ) production in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2005 , 44, 13-25	4.2	9
89	Methods for a blind analysis of isobar data collected by the STAR collaboration. <i>Nuclear Science and Techniques/Hewuli</i> , 2021 , 32, 1	2.1	9
88	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2021 , 104,	2.7	9
87	J/ψ production at low transverse momentum in p+p and d + Au collisions at sNN=200 GeV. <i>Physical Review C</i> , 2016 , 93,	2.7	8
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84	J/ψ polarization in p+p collisions at s=200 GeV in STAR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 180-188	4.2	8
83	Search for events with an isolated lepton and missing transverse momentum and a measurement of W production at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 672, 106-115	4.2	8
82	3D silicon pixel sensors: Recent test beam results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 628, 216-220 ^{1,2}		8
81	Leading proton production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2009 , 2009, 074-074	5.4	8
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79	Longitudinal double-spin asymmetry for inclusive jet and dijet production in pp collisions at s=510 GeV. <i>Physical Review D</i> , 2019 , 100,	4.9	8
78	Collision system and beam energy dependence of anisotropic flow fluctuations. <i>Nuclear Physics A</i> , 2019 , 982, 255-258	1.3	7

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74	Measurement of $D \psi$ production in deep inelastic ep scattering with the ZEUS detector at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
73	Measurement of isolated photons accompanied by jets in deep inelastic ep scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 715, 88-97	4.2	7
72	Exclusive electroproduction of two pions at HERA. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	7
71	Subjet distributions in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2009 , 63, 527-548	4.2	7
70	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	7
69	Measurement of meson production in scattering at low. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 649, 111-121	4.2	7
68	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized pp collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , 2018 , 98,	4.9	7
67	Measurement of longitudinal decorrelation of anisotropic flow V_2 and V_3 in 200 GeV Au+Au collisions at STAR. <i>Nuclear Physics A</i> , 2019 , 982, 403-406	1.3	6
66	Dielectron azimuthal anisotropy at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2014 , 90,	2.7	6
65	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying τ lepton in proton+proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 197-214	4.2	6
64	Production of τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 915-921	4.2	6
63	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}}=62.4$ and 200 GeV at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2013 , 87,	2.7	6
62	Measurement of dijet photoproduction for events with a leading neutron at HERA. <i>Nuclear Physics B</i> , 2010 , 827, 1-33	2.8	6
61	Search for contact interactions in dimuon events from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	6
60	Measurement of the energy dependence of the total photon+proton cross section at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 184-193	4.2	6

59	Measurement of J/ψ photoproduction at large momentum transfer at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	6
58	Photoproduction of events with rapidity gaps between jets at HERA. <i>European Physical Journal C</i> , 2007 , 50, 283-297	4.2	6
57	Search for the chiral magnetic effect with isobar collisions at $\sqrt{s_{NN}}=200$ GeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2022 , 105,	2.7	6
56	Beam energy dependence of net- Ξ fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2020 , 102,	2.7	6
55	Measurements of directed and elliptic flow for D^0 and $D^0_{s^*}$ mesons using the STAR detector at RHIC. <i>Nuclear Physics A</i> , 2019 , 982, 671-674	1.3	5
54	Beam energy dependence of rapidity-even dipolar flow in Au+Au collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 26-32	4.2	5
53	Measurement of inelastic J/ψ and χ photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	5
52	3D-FBK pixel sensors: Recent beam tests results with irradiated devices. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 650, 150-157	1.2	5
51	Multi-lepton production at high transverse momentum at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 13-23	4.2	5
50	Multijet cross sections in charged current $e\bar{p}$ scattering at HERA. <i>Physical Review D</i> , 2008 , 78,	4.9	5
49	Longitudinal double-spin asymmetries for \bar{D}_s in the forward direction for 510 GeV polarized pp collisions. <i>Physical Review D</i> , 2018 , 98,	4.9	5
48	Highlights from the STAR experiment. <i>Nuclear Physics A</i> , 2019 , 982, 29-35	1.3	4
47	Measurement of groomed jet substructure observables in p+p collisions at $\sqrt{s}=200$ GeV with STAR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135846	4.2	4
46	Measurement of inclusive charged-particle jet production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , 2020 , 102,	2.7	4
45	Underlying event measurements in p+p collisions at $\sqrt{s}=200$ GeV at RHIC. <i>Physical Review D</i> , 2020 , 101,	4.9	4
44	Multi-leptons with high transverse momentum at HERA. <i>Journal of High Energy Physics</i> , 2009 , 2009, 013-013	4.1	4
43	Measurement of J/ψ helicity distributions in inelastic photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2009 , 2009, 007-007	5.4	4
42	Measurement of beauty production from dimuon events at HERA. <i>Journal of High Energy Physics</i> , 2009 , 2009, 032-032	5.4	4

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40	Measurement of the Sixth-Order Cumulant of Net-Proton Multiplicity Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=27, 54.4, \text{ and } 200 \text{ GeV}$ at RHIC.. <i>Physical Review Letters</i> , 2021 , 127, 262301	7.4	4
39	Measurement of D0-meson + hadron two-dimensional angular correlations in Au+Au collisions at $s_{NN}=200 \text{ GeV}$. <i>Physical Review C</i> , 2020 , 102,	2.7	4
38	Flow and interferometry results from Au+Au collisions at $s_{NN}=4.5 \text{ GeV}$. <i>Physical Review C</i> , 2021 , 103,	2.7	4
37	Global Polarization of Λ and Σ Hyperons in Au+Au Collisions at $\sqrt{s_{NN}}=200 \text{ GeV}$. <i>Physical Review Letters</i> , 2021 , 126, 162301	7.4	4
36	Transverse spin transfer to Λ and Σ hyperons in polarized proton-proton collisions at $s=200 \text{ GeV}$. <i>Physical Review D</i> , 2018 , 98,	4.9	4
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31	Experimental studies of di-jets in Au + Au collisions using angular correlations with respect to back-to-back leading hadrons. <i>Physical Review C</i> , 2013 , 87,	2.7	3
30	Measurement of beauty photoproduction using decays into muons in dijet events at HERA. <i>Journal of High Energy Physics</i> , 2009 , 2009, 133-133	5.4	3
29	Scaled momentum distributions of charged particles in dijet photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2009 , 2009, 077-077	5.4	3
28	Measurement of D + and \bar{D} + production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	3
27	Energy dependence of the charged multiplicity in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2008 , 2008, 061-061	5.4	3
26	Angular correlations in three-jet events in ep collisions at HERA. <i>Physical Review D</i> , 2012 , 85,	4.9	2
25	Measurement of cold nuclear matter effects for inclusive J/ψ in p+Au collisions at $s_{NN}=200 \text{ GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 825, 136865	4.2	2
24	Results on total and elastic cross sections in proton-proton collisions at $s=200 \text{ GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135663	4.2	2

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18	Measurements of W and Z/ γ cross sections and their ratios in p+p collisions at RHIC. <i>Physical Review D</i> , 2021 , 103,	4.9	2
17	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. <i>Physical Review C</i> , 2020 , 102,	2.7	1
16	Rapidity correlations in the RHIC Beam Energy Scan Data. <i>Nuclear Physics A</i> , 2017 , 967, 792-795	1.3	1
15	Towards Measurements of Chiral Effects Using Identified Particles from STAR. <i>Nuclear Physics A</i> , 2017 , 967, 756-759	1.3	1
14	Physics opportunities at the future eRHIC electron-ion collider 2017 ,		1
13	Scaled momentum distributions for (K_S^0) KS and $(\Lambda/\bar{\Lambda})$ in DIS at HERA. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	1
12	Study of taupair production at HERA. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	1
11	Tracking efficiency and charge sharing of 3D silicon sensors at different angles in a 1.4T magnetic field. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S42-S49	1.2	1
10	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	1
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7	Measurement of away-side broadening with self-subtraction of flow in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Chinese Physics C</i> , 2020 , 44, 104001	2.2	1
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4	Geometry and Dynamics in Heavy-Ion Collisions Seen by the Femtoscopy in the STAR Experiment. <i>Nuclear Physics A</i> , 2019 , 982, 359-362	1.3	0
3	Muon Identification using Neural Networks With the Muon Telescope Detector at STAR. <i>Nuclear Physics A</i> , 2019 , 982, 192-194	1.3	
2	Event Plane Dependence of Di-hadron Correlations with Event Shape Engineering at the STAR Experiment. <i>Nuclear Physics A</i> , 2019 , 982, 343-346	1.3	
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