

# Salvatore Fazio

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 105,	2.7	6
453	Measurement of cold nuclear matter effects for inclusive $J/\psi$ p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 825, 136865	4.2	2
452	Light nuclei collectivity from $\sqrt{s_{NN}}=3$ GeV Au+Au collisions at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 827, 136941	4.2	1
451	Measurement of the Sixth-Order Cumulant of Net-Proton Multiplicity Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=27, 54.4, \text{ and } 200$ GeV at RHIC. <i>Physical Review Letters</i> , <b>2021</b> , 127, 262301	7.4	4
450	Flow and interferometry results from Au+Au collisions at $\sqrt{s_{NN}}=4.5$ GeV. <i>Physical Review C</i> , <b>2021</b> , 103,	2.7	4
449	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. <i>Physical Review Letters</i> , <b>2021</b> , 126, 092301	7.4	28
448	Comparison of transverse single-spin asymmetries for forward $\bar{D}$ production in polarized pp, pAl and pAu collisions at nucleon pair c.m. energy $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	1
447	Global Polarization of $\Lambda$ and $\bar{\Lambda}$ Hyperons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2021</b> , 126, 162301	7.4	4
446	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	2
445	Methods for a blind analysis of isobar data collected by the STAR collaboration. <i>Nuclear Science and Techniques/Hewuli</i> , <b>2021</b> , 32, 1	2.1	9
444	Azimuthal anisotropy measurements of strange and multistrange hadrons in U+U collisions at $\sqrt{s_{NN}}=193$ GeV at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2021</b> , 103,	2.7	1
443	Measurement of $e^+e^-$ Momentum and Angular Distributions from Linearly Polarized Photon Collisions. <i>Physical Review Letters</i> , <b>2021</b> , 127, 052302	7.4	14
442	Observation of $D_{s1}^0/D^0$ Enhancement in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2021</b> , 127, 092301	7.4	2
441	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> , <b>2021</b> , 104,	2.7	9
440	Measurements of W and Z cross sections and their ratios in p+p collisions at RHIC. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	2
439	Investigation of the linear and mode-coupled flow harmonics in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 809, 135728	4.2	3
438	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> , <b>2020</b> , 811, 135846	4.2	4

437	Measurement of inclusive charged-particle jet production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2020</b> , 102,	2.7	4
436	Measurement of inclusive $J/\psi$ polarization in p+p collisions at $\sqrt{s}=200$ GeV by the STAR experiment. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	3
435	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. <i>Physical Review C</i> , <b>2020</b> , 102,	2.7	1
434	First Measurement of $\Xi_{cc}$ Baryon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 172301	7.4	19
433	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. <i>Nature Physics</i> , <b>2020</b> , 16, 409-412	16.2	24
432	Underlying event measurements in p+p collisions at $\sqrt{s}=200$ GeV at RHIC. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	4
431	Bulk properties of the system formed in Au+Au collisions at $\sqrt{s_{NN}}=14.5$ GeV at the BNL STAR detector. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	7
430	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> , <b>2020</b> , 44, 104001	2.2	1
429	Strange hadron production in Au+Au collisions at $\sqrt{s_{NN}}=7.7, 11.5, 19.6, 27,$ and 39 GeV. <i>Physical Review C</i> , <b>2020</b> , 102,	2.7	12
428	Results on total and elastic cross sections in proton-proton collisions at $\sqrt{s}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 808, 135663	4.2	2
427	Measurement of $D_0$ -meson + hadron two-dimensional angular correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2020</b> , 102,	2.7	4
426	Beam energy dependence of net- $\Phi$ fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2020</b> , 102,	2.7	6
425	Measurement of the central exclusive production of charged particle pairs in proton-proton collisions at $(\sqrt{s}) = 200$ GeV with the STAR detector at RHIC. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
424	Measurements of directed and elliptic flow for $D_0$ and $D_0^*$ mesons using the STAR detector at RHIC. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 671-674	1.3	5
423	Collision system and beam energy dependence of anisotropic flow fluctuations. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 255-258	1.3	7
422	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> , <b>2019</b> , 982, 403-406	1.3	6
421	Highlights from the STAR experiment. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 29-35	1.3	4
420	Muon Identification using Neural Networks With the Muon Telescope Detector at STAR. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 192-194	1.3	

419	Geometry and Dynamics in Heavy-Ion Collisions Seen by the Femtoscopy in the STAR Experiment. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 359-362	1.3	0
418	Event Plane Dependence of Di-hadron Correlations with Event Shape Engineering at the STAR Experiment. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 343-346	1.3	
417	Polarization of $\Lambda(\overline{\Lambda})$ Hyperons along the Beam Direction in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 132301	7.4	41
416	Measurement of inclusive $J/\psi$ 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> , <b>2019</b> , 797, 134917	4.2	12
415	Observation of Excess $J/\psi$ Yield at Very Low Transverse Momenta in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV and U+U Collisions at $\sqrt{s_{NN}}=193$ GeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 132302	7.4	10
414	Beam energy dependence of (anti-)deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2019</b> , 99,	2.7	33
413	The proton $\Lambda$ correlation function in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 490-497	4.2	26
412	Collision-energy dependence of $p_t$ correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2019</b> , 99,	2.7	9
411	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. <i>Physical Review Letters</i> , <b>2019</b> , 122, 172301	7.4	20
410	The electron-ion collider: assessing the energy dependence of key measurements. <i>Reports on Progress in Physics</i> , <b>2019</b> , 82, 024301	14.4	50
409	Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at $\sqrt{s}=510$ GeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	11
408	Centrality and transverse momentum dependence of $D_0$ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2019</b> , 99,	2.7	31
407	Collision-energy dependence of second-order off-diagonal and diagonal cumulants of net-charge, net-proton, and net-kaon multiplicity distributions in Au + Au collisions. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	20
406	First Observation of the Directed Flow of $D^{\{0\}}$ and $D^{\{0\}}(\overline{\Lambda})$ in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 162301	7.4	22
405	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> , <b>2019</b> , 798, 134975	4.2	12
404	Measurements of the transverse-momentum-dependent cross sections of $J/\psi$ production at mid-rapidity in proton+proton collisions at $\sqrt{s}=510$ and 500 GeV with the STAR detector. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	7
403	Longitudinal double-spin asymmetry for inclusive jet and dijet production in pp collisions at $\sqrt{s}=510$ GeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	8
402	Constraining the initial conditions and temperature dependent viscosity with three-particle correlations in Au+Au collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 81-88	4.2	2

401	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $s=500$ GeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	12
400	Beam-Energy Dependence of Directed Flow of $\langle v_1 \rangle$ , $K^{\{H\}}$ , $K_{\{s\}}^{\{0\}}$ , and $\Psi$ in Au+Au Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 062301	7.4	40
399	Global polarization of $\Lambda$ hyperons in Au + Au collisions at $s_{NN}=200$ GeV. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	110
398	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{NN}}=7.7, 11.5, 14.5, 19.6, 27, 39,$ and $62.4$ GeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 032301	7.4	17
397	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p + p$ collisions at $s=500$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 332-339	4.2	10
396	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> , <b>2018</b> , 784, 26-32	4.2	5
395	Azimuthal anisotropy in Cu+Au collisions at $s_{NN}=200$ GeV. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	12
394	Transverse spin transfer to $\Lambda$ and $\Sigma$ hyperons in polarized proton-proton collisions at $s=200$ GeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	4
393	Low- $p_T$ $e^+e^-$ Pair Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV and U+U Collisions at $\sqrt{s_{NN}}=193$ GeV at STAR. <i>Physical Review Letters</i> , <b>2018</b> , 121, 132301	7.4	34
392	$J/\psi$ production cross section and its dependence on charged-particle multiplicity in $p + p$ collisions at $s=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 786, 87-93	4.2	14
391	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	15
390	Longitudinal double-spin asymmetries for $\Lambda$ s in the forward direction for 510 GeV polarized pp collisions. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
389	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized pp collisions at $s=200$ GeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	7
388	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> , <b>2018</b> , 785, 551-560	4.2	74
387	Measurement of the $H^0$ lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	26
386	Correlation measurements between flow harmonics in Au+Au collisions at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 783, 459-465	4.2	12
385	Direct virtual photon production in Au+Au collisions at $s_{NN}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 451-458	4.2	24
384	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	211

383	Dijet imbalance measurements in Au+Au and pp collisions at $\sqrt{s_{NN}}=200$ GeV at STAR. <i>Physical Review Letters</i> , <b>2017</b> , 119, 062301	7.4	16
382	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $s_{NN}=200$ GeV. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	34
381	Energy dependence of $J/\psi$ production in Au + Au collisions at $s_{NN}=39,62.4$ and $200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 13-20	4.2	17
380	Charge-Dependent Directed Flow in Cu+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 012301	7.4	15
379	Global Hyperon polarization in nuclear collisions. <i>Nature</i> , <b>2017</b> , 548, 62-65	50.4	325
378	Coherent diffractive photoproduction of $\phi$ mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	20
377	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> , <b>2017</b> , 95,	4.9	16
376	The STAR beam energy scan phase II physics and upgrades. <i>Nuclear Physics A</i> , <b>2017</b> , 967, 800-803	1.3	24
375	Rapidity correlations in the RHIC Beam Energy Scan Data. <i>Nuclear Physics A</i> , <b>2017</b> , 967, 792-795	1.3	1
374	Disentangling flow and signals of Chiral Magnetic Effect in U+U, Au+Au and p+Au collisions. <i>Nuclear Physics A</i> , <b>2017</b> , 967, 740-743	1.3	11
373	Observation of Global Hyperon Polarization in Ultrarelativistic Heavy-Ion Collisions. <i>Nuclear Physics A</i> , <b>2017</b> , 967, 760-763	1.3	
372	STAR Results from Au+Au Fixed-Target Collisions at $s_{NN}=4.5$ GeV. <i>Nuclear Physics A</i> , <b>2017</b> , 967, 808-811	1.3	13
371	Towards Measurements of Chiral Effects Using Identified Particles from STAR. <i>Nuclear Physics A</i> , <b>2017</b> , 967, 756-759	1.3	1
370	Elliptic flow of electrons from heavy-flavor hadron decays in Au + Au collisions at $s_{NN}=200, 62.4,$ and $39$ GeV. <i>Physical Review C</i> , <b>2017</b> , 95,	2.7	14
369	Measurement of $D^0$ Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 212301	7.4	60
368	Nuclear structure functions at a future electron-ion collider. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	22
367	Physics opportunities at the future eRHIC electron-ion collider <b>2017</b> ,		1
366	Electron-Ion Collider: The next QCD frontier. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1	2.5	512

365	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}}=2.4$ GeV. <i>Physical Review C</i> , <b>2016</b> , 93,	2.7	40
364	Probing parton dynamics of QCD matter with $\bar{\psi}$ and $\psi$ production. <i>Physical Review C</i> , <b>2016</b> , 93,	2.7	29
363	$J/\psi$ production at low transverse momentum in p+p and d + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2016</b> , 93,	2.7	8
362	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and $\psi$ Meson in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2016</b> , 116, 062301	7.4	37
361	Measurement of the Transverse Single-Spin Asymmetry in $p^{\uparrow}+p\downarrow \rightarrow W^{\pm}/Z^0$ at RHIC. <i>Physical Review Letters</i> , <b>2016</b> , 116, 132301	7.4	40
360	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , <b>2016</b> , 116, 112302	7.4	33
359	Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2016</b> , 94,	2.7	14
358	$\bar{\psi}$ production in U + U collisions at $\sqrt{s_{NN}}=193$ GeV measured with the STAR experiment. <i>Physical Review C</i> , <b>2016</b> , 94,	2.7	10
357	Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}}=200, 62.4, 39, 27, 19.6, 11.5,$ and $7.7$ GeV at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2016</b> , 94,	2.7	31
356	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in d+Au, Cu + Cu, and Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2016</b> , 94,	2.7	2
355	Jet-like correlations with direct-photon and neutral-pion triggers at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 689-696	4.2	26
354	Corrigendum to $\psi$ suppression of $\psi$ production in d+ Au and Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV [Phys. Lett. B 735 (2014) 127-137]. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 537-541	4.2	13
353	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> , <b>2015</b> , 745, 40-47	4.2	10
352	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2015</b> , 91,	2.7	3
351	$\bar{\psi}$ correlation function in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 022301	7.4	54
350	Effect of event selection on jetlike correlation measurement in d + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 333-339	4.2	22
349	Measurement of interaction between antiprotons. <i>Nature</i> , <b>2015</b> , 527, 345-8	50.4	46
348	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> , <b>2015</b> , 751, 233-240	4.2	10

347	Energy dependence of $K_{pT}$ and $K_p$ fluctuations in Au + Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	16
346	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV from the STAR experiment. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	41
345	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. <i>Physical Review Letters</i> , <b>2015</b> , 114, 252302	7.4	71
344	Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in $p^{+}+p$ at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , <b>2015</b> , 115, 242501	7.4	10
343	Azimuthal Anisotropy in U+U and Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , <b>2015</b> , 115, 222301	7.4	53
342	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> , <b>2015</b> , 92,	2.7	46
341	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> , <b>2015</b> , 115, 092002	7.4	44
340	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> , <b>2015</b> , 747, 265-271	4.2	53
339	Development of a forward calorimeter system for the STAR experiment. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 587, 012053	0.3	3
338	Energy dependence of acceptance-corrected dielectron excess mass spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}}=19.6$ and 200 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 64-71	4.2	24
337	Measurement of longitudinal spin asymmetries for weak boson production in polarized proton-proton collisions at RHIC. <i>Physical Review Letters</i> , <b>2014</b> , 113, 072301	7.4	45
336	Unifying soft and hard diffractive exclusive vector meson production and deeply virtual Compton scattering. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	12
335	Suppression of $\eta$ 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> , <b>2014</b> , 735, 127-137	4.2	67
334	The differential production cross section of the $\eta(1020)$ meson in $\sqrt{s}=7$ TeV collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
333	Dielectron azimuthal anisotropy at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	6
332	$J/\psi$ polarization in p+p collisions at $\sqrt{s}=200$ GeV in STAR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 180-188	4.2	8
331	$J/\psi$ production at low $p_T$ in Au + Au and Cu + Cu collisions at $\sqrt{s_{NN}}=200$ GeV with the STAR detector. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	41
330	Observation of $D_0$ meson nuclear modifications in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review Letters</i> , <b>2014</b> , 113, 142301	7.4	136



329	Beam-energy dependence of charge separation along the magnetic field in Au+Au collisions at RHIC. <i>Physical Review Letters</i> , <b>2014</b> , 113, 052302	7.4	120
328	Energy dependence of moments of net-proton multiplicity distributions at RHIC. <i>Physical Review Letters</i> , <b>2014</b> , 112, 032302	7.4	299
327	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	59
326	Beam-energy dependence of the directed flow of protons, antiprotons, and pions in Au+Au collisions. <i>Physical Review Letters</i> , <b>2014</b> , 112, 162301	7.4	129
325	Beam energy dependence of moments of the net-charge multiplicity distributions in Au+Au collisions at RHIC. <i>Physical Review Letters</i> , <b>2014</b> , 113, 092301	7.4	197
324	Jet-hadron correlations in $\sqrt{s_{NN}}=200$ GeV p+p and central Au+Au collisions. <i>Physical Review Letters</i> , <b>2014</b> , 112, 122301	7.4	37
323	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	28
322	Dielectron mass spectra from Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2014</b> , 113, 022301	7.4	45
321	Measurement of $D^* \Xi$ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7
320	Measurement of $D \Xi$ production in deep inelastic ep scattering with the ZEUS detector at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7
319	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> , <b>2013</b> , 2013, 1	5.4	124
318	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> , <b>2013</b> , 2013, 1	5.4	45
317	Measurement of inelastic $J/\psi$ and $\psi'$ photoproduction at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	5
316	A search for high-mass resonances decaying to $\mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 242-260	4.2	15
315	Search for displaced muonic lepton jets from light Higgs boson decay 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> , <b>2013</b> , 721, 32-50	4.2	25
314	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 277-308	4.2	36
313	Deeply virtual Compton scattering at a proposed high-luminosity Electron-Ion Collider. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
312	Measurement of charm fragmentation fractions in photoproduction at HERA. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	20

311	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
310	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> , <b>2013</b> , 73, 2509	4.2	71
309	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
308	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72
307	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	44
306	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	55
305	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
304	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression 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> , <b>2013</b> , 719, 220-241	4.2	165
303	Single spin asymmetry $A_N$ in polarized proton-proton elastic scattering at $\sqrt{s}=200 \text{ GeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 62-69	4.2	24
302	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> , <b>2013</b> , 720, 13-31	4.2	33
301	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 $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 1284-1302	4.2	37
300	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 280-298	4.2	39
299	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> , <b>2013</b> , 73, 1	4.2	55
298	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	44
297	Production of the excited charm mesons $D_1$ and $D_2^*$ at HERA. <i>Nuclear Physics B</i> , <b>2013</b> , 866, 229-254	2.8	11
296	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s}=7 \text{ TeV}$ pp collisions with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 841-859	4.2	24
295	Search for new phenomena in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 860-878	4.2	22
294	Production of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 915-921	4.2	6

293	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 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 879-901	4.2	35
292	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
291	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
290	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
289	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	114
288	Reggeometry of Deeply Virtual Compton Scattering and Exclusive Vector Meson Production at HERA. <i>Acta Physica Polonica B</i> , <b>2013</b> , 44, 1333	1.9	9
287	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector at the LHC. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043007	2.9	35
286	Search for resonant diboson production in the $WW/WZ$ decay channels with the ATLAS detector at $s=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	18
285	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb of $s=7$ TeV proton-proton collision data. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	101
284	Measurement of upsilon production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	68
283	Fluctuations of charge separation perpendicular to the event plane and local parity violation in $s_{NN}=200$ GeV Au + Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , <b>2013</b> , 88,	2.7	70
282	Observation of an energy-dependent difference in elliptic flow between particles and antiparticles in relativistic heavy ion collisions. <i>Physical Review Letters</i> , <b>2013</b> , 110, 142301	7.4	73
281	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> , <b>2013</b> , 110, 011802	7.4	99
280	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> , <b>2013</b> , 87,	2.7	3
279	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	34
278	Measurement of charged-particle event shape variables in inclusive ( $s=7$ TeV proton-proton interactions with the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	10
277	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> , <b>2013</b> , 110, 022301	7.4	51
276	Measurement of $W+W$ production in pp collisions at $s=7$ TeV with the ATLAS detector and limits on anomalous $WWZ$ and $WW$ couplings. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	70

275	Measurement of the $B_0$ lifetime and mass in the ATLAS experiment. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	17
274	Third harmonic flow of charged particles in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review C</i> , <b>2013</b> , 88,	2.7	86
273	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	14
272	Measurement of high- $Q^2$ neutral current deep inelastic e+p scattering cross sections with a longitudinally polarized positron beam at HERA. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	16
271	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. <i>Physical Review C</i> , <b>2013</b> , 88,	2.7	92
270	Freeze-out dynamics via charged kaon femtoscopy in $\sqrt{s_{NN}}=200$ GeV central Au + Au collisions. <i>Physical Review C</i> , <b>2013</b> , 88,	2.7	11
269	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> , <b>2013</b> , 87,	2.7	6
268	Measurement of $J/\psi$ azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. <i>Physical Review Letters</i> , <b>2013</b> , 111, 052301	7.4	35
267	Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, P07004-P07004	1	55
266	Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow 4\ell$ using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 27-45	4.2	15
265	Measurement of the $\sigma_{\text{had}}^{\text{had}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 706, 276-294	4.2	12
264	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 418-437	4.2	30
263	Measurements of the electron and muon inclusive cross-sections 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> , <b>2012</b> , 707, 438-458	4.2	42
262	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s}=7$ TeV in dilepton final states with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 459-477	4.2	41
261	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 330-348	4.2	200
260	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> , <b>2012</b> , 707, 478-496	4.2	35
259	Measurement of the $t$ dependence in exclusive photoproduction of $\rho(1S)$ mesons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 14-20	4.2	11
258	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 27-36	4.2	24

257	Search for new physics in the dijet mass distribution using 1 fb <sup>-1</sup> of pp collision data at s=7 TeV collected by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 37-54	4.2	72
256	A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at s=7TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 221-240	4.2	8
255	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in s=7TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 137-157	4.2	54
254	Search for first generation scalar leptoquarks in pp collisions at s=7 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 158-176	4.2	40
253	Combined search for the Standard Model Higgs boson using up to 4.9 fb <sup>-1</sup> of pp collision data at s=7TeV with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 49-66	4.2	301
252	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> , <b>2012</b> , 710, 363-382	4.2	104
251	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> , <b>2012</b> , 709, 322-340	4.2	16
250	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in s=7 TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 67-85	4.2	142
249	Measurement of the W $\bar{W}$ Z production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at s=7 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 341-357	4.2	18
248	Search for diphoton events with large missing transverse momentum in 1 fb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 519-537	4.2	18
247	Search for the Standard Model Higgs boson in the decay channel H $\rightarrow$ Z(?) $\rightarrow$ WW with 4.8 fb <sup>-1</sup> of pp collision data at s=7 TeV with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 383-402	4.2	86
246	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> , <b>2012</b> , 710, 538-556	4.2	35
245	Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at s=7TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 22-39	4.2	29
244	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> , <b>2012</b> , 711, 244-263	4.2	64
243	Search for contact interactions in dilepton events from pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 40-58	4.2	8
242	Measurement of the WW cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 289-308	4.2	33
241	Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in s=7TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 331-350	4.2	15
240	Search for FCNC single top-quark production at s=7 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 351-369	4.2	35

239	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
238	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s} = 7$ mbox{TeV}) with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
237	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> , <b>2012</b> , 72, 2039	4.2	78
236	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> , <b>2012</b> , 72, 2040	4.2	10
235	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
234	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> , <b>2012</b> , 72, 2056	4.2	78
233	Measurement of polarization in $t$ -decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
232	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> , <b>2012</b> , 2012, 1	5.4	43
231	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7$ ;{text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
230	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
229	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb <sup>-1</sup> of ( $\sqrt{s} = 7$ ;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	48
228	A search for ( $\overline{t}$ ) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	39
227	Search for the Standard Model Higgs boson in the $H \rightarrow b\bar{b}$ decay mode in ( $\sqrt{s} = 7$ ;{mathrm{TeV}}) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
226	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	31
225	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
224	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> , <b>2012</b> , 2012, 1	5.4	53
223	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> , <b>2012</b> , 2012, 1	5.4	49
222	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7$ ;{mathrm{TeV}}) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16

221	Time-dependent angular analysis of the decay $B_s^0 \rightarrow J/\psi \phi$ and extraction of $\mathcal{B}$ and the CP-violating weak phase $\phi_s$ by ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	23
220	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $(\sqrt{s}=7\text{ TeV})$ pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
219	Search for R-parity-violating supersymmetry in events with four or more leptons in $(\sqrt{s}=7\text{ TeV})$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	13
218	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	13
217	Exclusive diffractive production of real photons and vector mesons in a factorized Regge-pole model with nonlinear Pomeron trajectory. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	10
216	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	35
215	$K_S^0$ and $\Lambda$ production in pp interactions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector at the LHC. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	20
214	Measurement of the production cross section for $Z/\gamma$ in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	28
213	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	29
212	Angular correlations in three-jet events in ep collisions at HERA. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	2
211	Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	34
210	Search for the standard model Higgs boson in the diphoton decay channel with 4.9 fb <sup>-1</sup> of pp collision data at $\sqrt{s}=7$ TeV with ATLAS. <i>Physical Review Letters</i> , <b>2012</b> , 108, 111803	7-4	157
209	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 <sup>-1</sup> of ATLAS data. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	53
208	Inclusive-jet photoproduction at HERA and determination of $\alpha_s$ . <i>Nuclear Physics B</i> , <b>2012</b> , 864, 1-37	2-8	30
207	Measurement of the b-hadron production cross section using decays to $\tau$ . <i>Nuclear Physics B</i> , <b>2012</b> , 864, 341-381	2-8	17
206	Search for the decay $\tau \rightarrow \mu \nu \nu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 387-407	4-2	55
205	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 180-196	4-2	10
204	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying $\tau$ 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> , <b>2012</b> , 714, 197-214	4-2	6

203	Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 715, 44-60	4.2	16
202	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> , <b>2012</b> , 715, 88-97	4.2	7
201	Search for the Standard Model Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow b\bar{b}$ decay mode with 4.7 fb <sup>-1</sup> of ATLAS data at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 62-81	4.2	44
200	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> , <b>2012</b> , 716, 142-159	4.2	55
199	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> , <b>2012</b> , 716, 1-29	4.2	5271
198	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
197	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
196	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
195	Measurement of $[F_{\text{see text}}]$ production with a veto on additional central jet activity in collisions at $[F_{\text{see text}}]$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
194	A search for $[F_{\text{see text}}]$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at $[F_{\text{see text}}]$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
193	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
192	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
191	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
190	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	25
189	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
188	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
187	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> , <b>2012</b> , 72, 1	4.2	31
186	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34



185	Search for doubly charged Higgs bosons in like-sign dilepton final states at $\sqrt{s} = 7$ $\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
184	Search for first-generation leptoquarks at HERA. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	22
183	Search for a standard model Higgs boson in the $H \rightarrow Z \gamma$ decay channel using 4.7 fb of $\sqrt{s} = 7 \text{ TeV}$ data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 29-48	4.2	12
182	Measurement of $W$ and $Z$ production cross sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 49-69	4.2	16
181	Search for a Standard Model Higgs boson in the mass range $200 \leq m_H \leq 800 \text{ GeV}$ in the $H \rightarrow Z \gamma$ decay channel with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 70-88	4.2	9
180	Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 330-350	4.2	91
179	Measurement of the top quark pair cross section with ATLAS in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 89-108	4.2	38
178	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 369-390	4.2	23
177	Search for the Higgs boson in the $H \rightarrow Z \gamma$ decay channel with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 391-410	4.2	10
176	Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 411-430	4.2	19
175	Search for direct top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 7 \text{ TeV}$ pp collisions using 4.7 fb of ATLAS data. <i>Physical Review Letters</i> , <b>2012</b> , 109, 211803	7.4	70
174	Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	96
173	Search for magnetic monopoles in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 109, 261803	7.4	45
172	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
171	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
170	Exclusive electroproduction of two pions at HERA. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	7
169	Scaled momentum distributions for $(K_S^0)_{KS}$ and $(\Lambda/\bar{\Lambda})$ in DIS at HERA. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	1
168	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34

167	Search for charged Higgs bosons decaying via $H \rightarrow b\bar{b}$ ( $\overline{t}$ ) events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	112
166	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	52
165	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	23
164	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> , <b>2012</b> , 108, 241802	7-4	35
163	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4-9	1
162	Transverse single-spin asymmetry and cross section for $D$ and $F$ mesons at large Feynman $x$ in p+p collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review D</i> , <b>2012</b> , 86,	4-9	58
161	Search for resonant top quark plus jet production in $t\bar{t}$ +jets events with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , <b>2012</b> , 86,	4-9	15
160	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> , <b>2012</b> , 109, 211802	7-4	57
159	Search for scalar bottom quark pair production with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 108, 181802	7-4	54
158	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> , <b>2012</b> , 86,	4-9	51
157	ATLAS measurements of the properties of jets for boosted particle searches. <i>Physical Review D</i> , <b>2012</b> , 86,	4-9	20
156	Di-electron spectrum at mid-rapidity in p+p collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review C</i> , <b>2012</b> , 86,	2-7	22
155	Inclusive charged hadron elliptic flow in Au + Au collisions at $\sqrt{s_{NN}} = 7.7$ GeV. <i>Physical Review C</i> , <b>2012</b> , 86,	2-7	98
154	Search for new phenomena in $t\bar{t}$ events with large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 041805	7-4	46
153	Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton + jets channel with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 261802	7-4	26
152	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> , <b>2012</b> , 108, 212001	7-4	67
151	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4-9	107
150	Observation of a new $\chi(b)$ state in radiative transitions to $\chi(1S)$ and $\chi(2S)$ at ATLAS. <i>Physical Review Letters</i> , <b>2012</b> , 108, 152001	7-4	77

149	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	30
148	Search for $t\bar{b}$ resonances in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 109, 081801	7.4	31
147	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> , <b>2012</b> , 86,	4.9	11
146	Search for pair production of a new $b'$ quark that decays into a Z boson and a bottom quark with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 109, 071801	7.4	23
145	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> , <b>2012</b> , 86,	2.7	313
144	Search for the Higgs boson in the $H \rightarrow W^{(*)} \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 111802	7.4	32
143	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> , <b>2012</b> , 108, 251801	7.4	48
142	Further search for supersymmetry at $\sqrt{s}=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	42
141	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	24
140	Measurement of $D^*\bar{D}$ meson production in jets from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
139	Determination of the strange-quark density of the proton from ATLAS measurements of the $W \rightarrow b\bar{b}$ and $Z \rightarrow b\bar{b}$ cross sections. <i>Physical Review Letters</i> , <b>2012</b> , 109, 012001	7.4	98
138	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> , <b>2012</b> , 108, 211802	7.4	11
137	Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 041804	7.4	29
136	Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , <b>2012</b> , 108, 261804	7.4	30
135	Measurements of $D_0$ and $D^*$ production in p+p collisions at $\sqrt{s}=200$ GeV. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	79
134	Search for pair-produced heavy quarks decaying to $Wq$ in the two-lepton channel at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	21
133	Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons. <i>Physical Review Letters</i> , <b>2012</b> , 109, 032001	7.4	35
132	Study of jets produced in association with a W boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	41

131	Search for resonant WZ production in the WZ- $\tau\tau$ channel in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	12
130	A study of the material in the ATLAS inner detector using secondary hadronic interactions. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P01013-P01013	1	20
129	Measurement of the differential cross-sections of inclusive, prompt and non-prompt $J/\psi$ production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , <b>2011</b> , 850, 387-444	2.8	130
128	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> , <b>2011</b> , 650, 150-157	1.2	5
127	Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 703, 428-446	4.2	40
126	Measurement of the $\tau$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 9-27	4.2	17
125	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb $^{-1}$ of pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 28-46	4.2	43
124	Search for neutral MSSM Higgs bosons decaying to $\tau\tau$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 174-192	4.2	40
123	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 294-312	4.2	52
122	Measurement of the transverse momentum distribution of $\tau$ leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 415-434	4.2	55
121	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \tau\tau$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 435-451	4.2	18
120	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 452-470	4.2	20
119	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=7$ TeV using 35 pb $^{-1}$ of ATLAS data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 706, 150-167	4.2	42
118	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> , <b>2011</b> , 71, 1	4.2	103
117	Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
116	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> , <b>2011</b> , 71, 1	4.2	138
115	Luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	167
114	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	30

113	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s}=7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
112	Measurement of heavy-quark jet photoproduction at HERA. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	12
111	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim\text{mbox{TeV}}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	41
110	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> , <b>2011</b> , 71, 1	4.2	37
109	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
108	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	44
107	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> , <b>2011</b> , 71, 1	4.2	51
106	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
105	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7\sim\text{mbox{TeV}}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
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103	Study of taupair production at HERA. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	1
102	. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	22
101	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> , <b>2011</b> , 2011, 1	5.4	11
100	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
99	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> , <b>2011</b> , 2011, 1	5.4	60
98	Search for contact interactions in dimuon events from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	6
97	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	16
96	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> , <b>2011</b> , 83,	4.9	50

95	Measurement of the $W^+W^-$ cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. <i>Physical Review Letters</i> , <b>2011</b> , 107, 041802	7.4	23
94	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> , <b>2011</b> , 83,	4.9	112
93	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	24
92	Measurement of the $Z$ - $\tau$ cross section with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	18
91	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	44
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89	Test beam results of 3D silicon pixel sensors for the ATLAS upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 638, 33-40	1.2	17
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86	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> , <b>2011</b> , 697, 184-193	4.2	6
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80	Measurement of the $W$ charge asymmetry in the $W \rightarrow \tau\nu$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 31-49	4.2	33
79	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 50-69	4.2	20
78	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 186-203	4.2	108

77	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> , <b>2011</b> , 701, 398-416	4.2	54
76	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> , <b>2011</b> , 13, 053044	2.9	108
75	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053033	2.9	259
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64	A QCD analysis of ZEUS diffractive data. <i>Nuclear Physics B</i> , <b>2010</b> , 831, 1-25	2.8	44
63	Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA. <i>European Physical Journal C</i> , <b>2010</b> , 65, 65-79	4.2	42
62	Measurement of beauty production in DIS and extraction at ZEUS. <i>European Physical Journal C</i> , <b>2010</b> , 69, 347-360	4.2	13
61	Measurement of high-Q <sup>2</sup> charged current deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA. <i>European Physical Journal C</i> , <b>2010</b> , 70, 945-963	4.2	22
60	Inclusive dijet cross sections in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2010</b> , 70, 965-982	4.2	13

59	Combined measurement and QCD analysis of the inclusive $e-p$ scattering cross sections at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	37 <sup>0</sup>
58	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	7
57	Measurement of $J/\psi$ photoproduction at large momentum transfer at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	6
56	Scaled momentum spectra in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	1
55	Measurement of $D^+$ and $\bar{D}^+$ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5-4	3
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46	Multi-lepton production at high transverse momentum at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 680, 13-23	4-2	5
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43	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 61, 223-235	4-2	26
42	Measurement of high-Q <sup>2</sup> neutral current deep inelastic $e-p$ scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 62, 625-658	4-2	27



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40	Subjet distributions in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2009</b> , 63, 527-548	4.2	7
39	Deep inelastic scattering with leading protons or large rapidity gaps at HERA. <i>Nuclear Physics B</i> , <b>2009</b> , 816, 1-61	2.8	47
38	Leading proton production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 074-074	5.4	8
37	A measurement of the $Q^2$ , $W$ and $t$ dependences of deeply virtual Compton scattering at HERA. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 108-108	5.4	25
36	Measurement of beauty production from dimuon events at HERA. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 032-032	5.4	4
35	Measurement of beauty photoproduction using decays into muons in dijet events at HERA. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 133-133	5.4	3
34	Scaled momentum distributions of charged particles in dijet photoproduction at HERA. <i>Journal of High Energy Physics</i> , <b>2009</b> , 2009, 077-077	5.4	3
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25	Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 649, 12-24	4.2	29
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22	Measurement of prompt photons with associated jets in photoproduction at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 49, 511-522	4.2	22
21	Measurement of neutral current cross sections at high Bjorken-x with the ZEUS detector at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 49, 523-544	4.2	4
20	Search for stop production in R-parity-violating supersymmetry at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 50, 269	4.2	14
19	Photoproduction of events with rapidity gaps between jets at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 50, 283-297	4.2	6
18	Measurement of open beauty production at HERA in the D* final state. <i>European Physical Journal C</i> , <b>2007</b> , 50, 299-314	4.2	17
17	Measurement of K <sup>0</sup> <sub>S</sub> and $\Lambda$ production at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 51, 1-23	4.2	17
16	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 51, 289-299	4.2	12
15	Diffraction photoproduction of D*(2100) at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 51, 301-315	4.2	16
14	Forward-jet production in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 52, 515-530	4.2	11
13	Dijet production in diffractive deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2007</b> , 52, 813-832	4.2	28
12	High-ET dijet photoproduction at HERA. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
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8	Leading neutron energy and distributions in deep inelastic scattering and photoproduction at HERA. <i>Nuclear Physics B</i> , <b>2007</b> , 776, 1-37	2.8	31
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1	Measurement of inelastic ( $J/\psi$ ) production in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , <b>2005</b> , 44, 13-25	4.2	9