

Shanzhen Chen

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.

654
papers

24,013
citations

71
h-index

123
g-index

681
ext. papers

28,766
ext. citations

5.1
avg, IF

3.14
L-index

#	Paper	IF	Citations
654	Measurement of the $B_{s0} \rightarrow \mu\mu$ decay properties and search for the $B_0 \rightarrow \mu\mu$ and $B_{s0} \rightarrow \mu\mu$ decays. <i>Physical Review D</i> , 2022 , 105,	4.9	1
653	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
652	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $13\sqrt{\text{TeV}}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
651	Evidence for a New Structure in the J/ψ and $J/\psi[\text{over } \chi]$ Systems in $B_{s^0} \rightarrow J/\psi p[\text{over } \chi]$ Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
650	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , 2022 , 17, P02028	1	0
649	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	0
648	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
647	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
646	Observation of Two New Excited χ_{b^0} States Decaying to $\chi_{b^0} K^{\pm} \pi^{\mp}$.. <i>Physical Review Letters</i> , 2022 , 128, 162001	7.4	0
645	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $13\sqrt{\text{TeV}}$. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
644	First measurement of the (CP)-violating phase in $(B^0 \rightarrow J/\psi) \rightarrow (e^+ e^-)(\phi)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
643	Branching Fraction Measurements of the Rare $B_{s^0} \rightarrow f_2(1525) \pi^+ \pi^-$ and $B_{s^0} \rightarrow f_2(1525) \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
642	Observation of a New Excited D_{s^+} Meson in $B^0 \rightarrow D^+ D^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
641	Observation of Multiplicity Dependent Prompt $c(3872)$ and $\psi(2S)$ Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
640	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\pm})$, jet decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
639	Search for three body pion decays $\eta \rightarrow l+\pi$. <i>Physical Review D</i> , 2021 , 103,	4.9	2
638	Search for the rare decay $B^0 \rightarrow J/\psi^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1

637	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
636	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
635	Observation of the $B^0 \rightarrow \pi^+ K^+ K^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 815, 136172	4.2	0
634	Observation of a new B_0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
633	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
632	Measurements of WH and ZH production in the $(H \rightarrow b\bar{b})$ decay channel in pp collisions at $(13, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
631	Search for long-lived particles decaying to $(e^+ \mu^-) (\mu^+ \mu^-) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
630	Observation of new excited $B^0_{(s)}$ states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
629	Precise measurement of the f_s/f_d ratio of fragmentation fractions and of B_s^0 decay branching fractions. <i>Physical Review D</i> , 2021 , 104,	4.9	6
628	Observation of New Resonances Decaying to $J/\psi \pi^+$ and $J/\psi \pi^-$. <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
627	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
626	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
625	Search for CP violation in $B^0 \rightarrow \rho^+ K^+ K^-$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
624	Search for the doubly heavy baryons Ξ_{cc} and Ξ_{bb} decaying to $\Lambda_c^+ \Lambda_c^0$ and $\Lambda_c^+ \Lambda_c^+$. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
623	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4
622	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
621	Amplitude analysis of the $B^+ \rightarrow D^+ D^0 K^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
620	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25

619	Search for the Rare Decays $B_{s}^{0} \rightarrow e^{+}e^{-}$ and $B^{0} \rightarrow e^{+}e^{-}$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
618	Higgs boson production cross-section measurements and their EFT interpretation in the (4ell) decay channel at $(\sqrt{s})=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12
617	Measurement of the branching fraction of the decay $B_{s0} \rightarrow KS0KS0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
616	First observation of the decay $B0 \rightarrow D0D^{*}K+0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
615	First branching fraction measurement of the suppressed decay $B0 \rightarrow B^{+}$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
614	Observation of New Ξ_{c}^{0} Baryons Decaying to $\Xi_{c}^{+}K^{-}$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
613	First Observation of Excited Ξ_{b}^{-} States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
612	Measurement of CP-Averaged Observables in the $B^{0} \rightarrow K^{*0}\pi^{+}\pi^{-}$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
611	Measurement of χ_{cc}^{++} production in pp collisions at $(\sqrt{s})=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
610	Measurement of $ V_{cb} $ with $B_{s0} \rightarrow D_{s}^{*}\pi\pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
609	Measurement of the relative branching fractions of $B^{+} \rightarrow h+h'+h''$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
608	Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at $(\sqrt{s})=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
607	Evidence for $(t\bar{t})$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s})=13$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
606	Measurement of the (η_{c}) (1S) production cross-section in (p) (p) collisions at $(\sqrt{s}) = 13$ (, text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
605	Search for CP violation in $(\chi_{c}^{+}) \rightarrow (p) (K^{-}) (\pi^{+})$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
604	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
603	Search for the doubly charmed baryon (Ξ_{cc}^{+}) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
602	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 212001	7.4	1

601	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
600	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	5
599	Improved search for two body muon decay $\mu \rightarrow e + XH$. <i>Physical Review D</i> , 2020 , 101,	4.9	4
598	Isospin Amplitudes in $B^0 \rightarrow J/\psi K^0$ and $B^0 \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
597	Measurement of f_s/f_u Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
596	Search for CP violation and observation of P violation in $B^0 \rightarrow p \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
595	Search for $A^{\pm} \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
594	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
593	Measurement of the relative $B \rightarrow D^0/D^{*0} \pi^0$ branching fractions using B mesons from $B \rightarrow 2\pi^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
592	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow J/\psi \pi^0$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134789	4.2	2
591	Observation of the $(\Lambda_{\text{charm}}^0 \rightarrow \psi(3712) \pi^0)$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
590	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
589	Search for CP Violation in $D_{s1}^+ \rightarrow K_S^0 \pi^+$, $D^+ \rightarrow K_S^0 K^+$, and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
588	Observation of $B_{(s)}^0 \rightarrow J/\psi p$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
587	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
586	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
585	Observation of a Narrow Pentaquark State, $P_c(4312)^+$, and of the Two-Peak Structure of the $P_c(4450)^+$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
584	Observation of an Excited B_c^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18

583	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \mu^{+} \mu^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
582	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
581	Model-Independent Observation of Exotic Contributions to $B^{0} \rightarrow J/\psi K^{+} \mu^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
580	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
579	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
578	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4.2	20
577	Measurement of the mass and production rate of B baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
576	Atmospheric neutrino oscillation analysis with improved event reconstruction in Super-Kamiokande IV. <i>Progress of Theoretical and Experimental Physics</i> , 2019 , 2019,	5.4	17
575	First Observation of the Radiative Decay $\Xi_{bb}^{0} \rightarrow \mu^{+} \mu^{-} \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
574	Observation of New Resonances in the $\Xi_{bb}^{0} \mu^{+} \mu^{-}$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
573	Measurement of (W^{\pm})-boson and Z-boson production cross-sections in pp collisions at ($\sqrt{s}=2.76$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	2
572	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
571	Measurement of the B_c meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	4
570	Search for the Lepton-Flavor-Violating Decays $B_{s}^{0} \rightarrow \mu^{+} \mu^{-} \gamma$ and $B^{0} \rightarrow \mu^{+} \mu^{-} \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
569	Search for Lepton-Flavor Violating Decays $B^{+} \rightarrow K^{+} \mu^{+} e^{-}$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
568	Measurement of CP-Violating and Mixing-Induced Observables in $B_{s}^{0} \rightarrow \tau^{+} \tau^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
567	Amplitude Analysis of $B^{\pm} \rightarrow \mu^{\pm} K^{+} K^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
566	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 232001	7.4	3

565	Observation of Two Resonances in the $\Upsilon(4S)$ Systems and Precise Measurement of $\Upsilon(4S)$ and $\Upsilon(3S)$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
564	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
563	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
562	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at ($\sqrt{s}=13$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
561	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
560	Measurement of the τ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
559	First observation of forward $Z \rightarrow b\bar{b}$ production in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1
558	Measurement of CP observables in $B_{\tau} \rightarrow D^{(*)} K_{\tau}$ and $B_{\tau} \rightarrow D^{(*)} \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
557	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $= 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 102	4.2	7
556	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 154	4.2	23
555	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
554	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 171	4.2	35
553	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , 2018 , 78, 186	4.2	5
552	Search for heavy resonances in the $\Upsilon(4S)$ and $\Upsilon(3S)$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
551	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
550	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	26
549	Search for heavy resonances decaying into $\tau\tau$ in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4.2	47
548	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 129	4.2	11

547	Measurement of CP asymmetry in $B^0 \rightarrow D^* K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
546	Search for the lepton-flavour violating decays $B^0 \rightarrow e\mu\mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
545	First measurement of the CP-violating phase ($\phi_s^{\overline{d}}$) in $B^0 \rightarrow (K^+ K^0)$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
544	Search for W^+W^-/ZZ resonance production in $\bar{q}q$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
543	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	36
542	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 1127-1132	1.7	1
541	Improved search for heavy neutrinos in the decay $B \rightarrow e\mu$. <i>Physical Review D</i> , 2018 , 97,	4.9	35
540	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^* \ell \ell$ branching fraction using three-prong ℓ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
539	Measurement of the Ratio of the $B^0 \rightarrow D^{*-} \ell^+ \ell^0$ and $B^0 \rightarrow D^{*-} \ell^+ \ell^0$ Branching Fractions Using Three-Prong ℓ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
538	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow J/\psi \ell^+ \ell^0)/B(B_{c^+} \rightarrow J/\psi \ell^+ \ell^0)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
537	Search for B_{c^+} decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
536	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
535	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
534	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 18	4.2	32
533	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 199	4.2	55
532	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4.2	3
531	Measurement of branching fractions of charmless four-body $\bar{D}^0 b$ and $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
530	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $q\bar{q}$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17

529	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	23
528	Observation of the decay $B_0 \rightarrow \bar{B} + pp \rightarrow \dots$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4-2	7
527	Observation of a New χ_{b1}^{\prime} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7-4	50
526	Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
525	Evidence for the Rare Decay $B^+ \rightarrow p \bar{B}^0$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7-4	8
524	Study of γ production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	8
523	Mapping the material in the LHCb vertex locator using secondary hadronic interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P06008-P06008	1	10
522	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 784	4-2	8
521	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 1007	4-2	21
520	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4-2	5
519	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 401	4-2	23
518	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4-2	3
517	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 997	4-2	21
516	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4-2	66
515	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4-2	26
514	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$ <i>Physical Review D</i> , 2018 , 98,	4-9	6
513	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 995	4-2	49
512	Observation of $B_s^0 \rightarrow D^0 \pi^0$ and search for $B_0 \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4-9	5

511	Operation and performance of the ATLAS Tile Calorimeter in Run I. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
510	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
509	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
508	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
507	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	48
506	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 762	4.2	23
505	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \Lambda^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
504	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
503	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
502	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
501	Search for exclusive Higgs and Z boson decays to $\tau\tau$ and $\tau\nu$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
500	Measurement of CP asymmetries in two-body B(s)0-meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018 , 98,	4.9	13
499	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 487	4.2	5
498	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4.2	34
497	Measurement of the CP asymmetry in $B_s \rightarrow D_s^- D^0$ and $B_s \rightarrow D_s^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
496	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 625	4.2	15
495	Updated determination of $D^0\bar{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
494	Search for the rare decay $\bar{B}^0 \rightarrow p \bar{p}$. <i>Physical Review D</i> , 2018 , 97,	4.9	9

493	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
492	Search for Boosted Dark Matter Interacting with Electrons in Super-Kamiokande. <i>Physical Review Letters</i> , 2018 , 120, 221301	7.4	18
491	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	101
490	First observation of $B^+ \rightarrow D^+ s K^0$ decays and a search for $B^+ \rightarrow D^+ s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
489	Measurements of the branching fractions of $\bar{B}^0 \rightarrow p \bar{K}^0$, $\bar{B}^0 \rightarrow p \bar{K}^+ K^-$, and $\bar{B}^0 \rightarrow p \bar{K}^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
488	Measurement of CP violation in $B^0 \rightarrow D^0 \pi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
487	Search for the CP-violating strong decays $B^0 \rightarrow \pi^0 \pi^0$ and $\eta(958) \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
486	Search for the suppressed decays $B^+ \rightarrow K^+ K^0 \pi^0$ and $B^+ \rightarrow \pi^+ K^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
485	Amplitude analysis of $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
484	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow J/\psi K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
483	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
482	First Experimental Study of Photon Polarization in Radiative $B_{(s)}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
481	Measurement of the [Formula: see text] and [Formula: see text] production cross sections in multilepton final states using 3.2 fb [Formula: see text] of [Formula: see text] collisions at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
480	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 26	4.2	22
479	Measurement of forward $t\bar{t}$, $W+bb$ and $W+cc$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 110-120	4.2	4
478	Observation of the decay $B_s^0 \rightarrow \pi^0 \pi^0$ and evidence for $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
477	Amplitude Analysis of the Decays $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2017 , 118, 012001	7.4	25
476	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2017 , 118, 052002	7.4	36

475	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
474	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 220	4.2	5
473	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+ jets channel with ATLAS. <i>European Physical Journal C</i> , 2017 , 77, 264	4.2	19
472	Measurement of the phase difference between short- and long-distance amplitudes in the [Formula: see text] decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
471	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4.2	61
470	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 292	4.2	13
469	Study of the $D^0 p$ amplitude in $D^0 b \rightarrow D^0 p$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
468	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
467	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 241	4.2	38
466	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
465	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 177-187	4.2	11
464	Measurement of the prompt/[Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4.2	47
463	Search for triboson [Formula: see text] production in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 141	4.2	13
462	Observation of the Decay $B^0 \rightarrow p K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
461	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177
460	Fiducial, total and differential cross-section measurements of -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
459	Measurements of electroweak [Formula: see text] production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14
458	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \chi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48

457	Study of prompt D 0 meson production in pPb collisions at $(\sqrt{s_{\mathrm{N}};\mathrm{N}})=5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
456	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
455	Observation of charmless baryonic decays $B(s)0 \rightarrow pp\pi^+h^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
454	Study of charmonium production in π -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
453	Observation of $B_{c^+} \rightarrow J/\psi K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
452	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
451	Measurements of charm mixing and CP violation using $D0 \rightarrow K\pi\pi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
450	Measurement of the B_{π} production asymmetry and the CP asymmetry in $B_{\pi} \rightarrow J/\psi\pi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
449	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND) 2017 ,		86
448	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi\pi^+$ and $B^+ \rightarrow J/\psi K^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
447	Search for the $B^0_s \rightarrow \mu\mu$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
446	Observation of the decay $B^0 \rightarrow pK^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
445	Measurement of B_{s}^0 and D_{s}^{\pm} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
444	Observation of the Doubly Charmed Baryon $\Omega_{\mathrm{cc}}^{++}$. <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
443	Measurement of the CP Violation Parameter A_{FB}^0 in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
442	Observation of $B_{\mathrm{c}}^+ \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
441	Observation of Five New Narrow Ω_{c}^0 States Decaying to $\Omega_{\mathrm{c}}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
440	Measurement of CP asymmetries in $D_{\pi} \rightarrow \pi\pi$ and $D_{\mathrm{s}\pi} \rightarrow \pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6

439	Observation of $\Lambda(2S) \rightarrow pp\pi$ and search for $X(3872) \rightarrow pp\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
438	Observation of the $B \rightarrow J/\psi K$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
437	Measurement of the $B_{s^0} \rightarrow \mu^+\mu^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \mu^+\mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
436	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 428	4.2	48
435	On model-independent searches for direct CP violation in multi-body decays. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017 , 44, 085001	2.9	2
434	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
433	Observation of the Decays $\Lambda_b^0 \rightarrow \Lambda_c^+ p K^-$ and $\Lambda_b^0 \rightarrow \Lambda_c^+ p K^0$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
432	Observation of the $B^+ \rightarrow D^* K^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
431	Search for the Decays $B_{s^0} \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
430	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
429	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
428	Observation of the suppressed decay $\Lambda_b^0 \rightarrow p \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
427	Test of lepton universality with $B^0 \rightarrow K^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
426	Measurement of the ($\overline{t}\gamma$) production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
425	Λ_c^+ and Λ_c^0 Resonance Parameters with the Decays $\Lambda_c^+, \Lambda_c^0 \rightarrow J/\psi \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
424	Observation of D^0 Meson Decays to $\mu^+\mu^- \mu^+\mu^-$ and $K^+ K^- \mu^+\mu^-$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
423	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
422	Search for Baryon-Number Violating Λ_b^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1

421	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
420	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 144	4.2	8
419	Measurement of the ZZ production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV using the $ZZ \rightarrow \mu\mu$ and ($ZZ \rightarrow \ell\ell \nu \bar{\nu}$) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
418	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
417	Measurement of the J/ψ pair production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
416	Observation of $B(686) \rightarrow e^+e^- \mu\mu$ and $\mu\mu \rightarrow e^+e^- J/\psi$. <i>Physical Review Letters</i> , 2017 , 118, 221802	7.4	8
415	Measurements of $\psi(2S)$ and $X(3872) \rightarrow J/\psi \mu\mu$ production in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
414	Measurements of top-quark pair to Z-boson cross-section ratios at ($\sqrt{s}=13$), 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
413	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2	52
412	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4.2	4
411	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
410	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
409	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 361	4.2	26
408	Precision measurement and interpretation of inclusive $\mu\mu$ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
407	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
406	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52
405	Measurements of prompt charm production cross-sections in pp collisions at $s = 5 \sqrt{s}=5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	16
404	Search for CP violation in the phase space of $D_0 \rightarrow \mu\mu$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7

403	Measurement of charged-particle distributions sensitive to the underlying event in ($\sqrt{s}=13$) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
402	Evidence for the two-body charmless baryonic decay ($\{B\}^+ \rightarrow \overline{\Lambda} p$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
401	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 898	4.2	19
400	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
399	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
398	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow pp$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
397	Resonances and CP violation in B^0 and ($\overline{B}_s^0 \rightarrow J/\psi \{K\}^+ \{K\}^-$) decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
396	Study of ($\overline{b}b$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
395	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
394	Measurement of CP observables in $B^0 \rightarrow DK^* \pi$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
393	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
392	Measurement of B^0 , B_s^0 , B^+ and \overline{B}^0 production asymmetries in 7 and 8 TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 139-158	4.2	10
391	Measurement of the inclusive jet cross-sections in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
390	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
389	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16
388	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at $\sqrt{s}=13$ TeV with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , 2017 , 77, 563	4.2	15
387	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ($\sqrt{s}=13$) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
386	Searches for the $Z \rightarrow \tau\tau$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20

385	Studies of $Z\bar{\nu}\nu$ production in association with a high-mass dijet system in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
384	Measurement of CP violation in $B^0 \rightarrow J/\psi K^0$ and $B^0 \rightarrow \psi(2S)K^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
383	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
382	First Observation of a Baryonic B_{s^0} Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
381	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
380	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \tau\tau$ in $(\sqrt{s}=13)$ TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
379	Updated branching fraction measurements of $B(s^0) \rightarrow K^0 h^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
378	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
377	Observation of the decay $B_s^0 \rightarrow \tau^+ \nu$ and evidence for $B_s^0 \rightarrow \tau^+ \nu \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
376	Study of W production in collisions at $\sqrt{s}=13$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
375	Measurements of top quark spin observables in (\overline{t}) events using dilepton final states in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
374	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
373	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8
372	Top-quark mass measurement in the all-hadronic (\overline{t}) decay channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
371	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
370	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	30
369	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
368	Search for pair production of heavy vector-like quarks decaying to high- p_T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29

367	Measurement of the k_t splitting scales in $Z \rightarrow \ell\bar{\ell}$ events in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
366	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
365	Evidence for the ($H \rightarrow b\bar{b}$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
364	Measurement of the B_{μ}^0 production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	8
363	Measurement of the $Y(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
362	Search for new high-mass phenomena in the dilepton final state using 36 fb $^{-1}$ of proton-proton collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126
361	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 872	4.2	19
360	Measurement of the CP Asymmetry in B_{μ}^0 - B_{μ}^0 Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
359	Model-Independent Evidence for J/ψ Contributions to $B_{\mu}^0 \rightarrow J/\psi K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
358	Evidence for Exotic Hadron Contributions to $B_{\mu}^0 \rightarrow J/\psi \pi^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
357	Studies of the resonance structure in $D^0 \rightarrow K_S^0 K^{\pm} \pi^{\mp}$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
356	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
355	First Observation of D^0 - \bar{D}^0 Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
354	First observation of the rare $B^+ \rightarrow D^+ K^0 \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
353	Measurement of the $B_s^0 \rightarrow D_s^* \pi^+ D_s^* \pi^-$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
352	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow DK^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
351	Observation of $B_{\mu}^0 \rightarrow D^+ K_S^0 \pi^-$ and Evidence for $B_{\mu}^0 \rightarrow D^+ K_S^0 \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
350	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^0$ and $D^0 \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25

349	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}^{0}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
348	Search for Structure in the $B_{(s)}^{0} \rightarrow \mu\mu$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
347	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
346	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
345	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35
344	Measurement of jet activity in top quark events using the e ⁻ final state with two b-tagged jets in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
343	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 291	4.2	63
342	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e\mu$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
341	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
340	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in ($\sqrt{s}=8$) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
339	Identification of high transverse momentum top quarks in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
338	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \mu^- \mu^0$ in the $K^*_{0,2}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
337	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2016 , 18, 073021	2.9	1
336	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8
335	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4.2	48
334	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4.2	42
333	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
332	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 683	4.2	7

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329	Searches for heavy diboson resonances in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
328	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in (\sqrt{s}) = 8 TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
327	Search for the Standard Model Higgs boson decaying into ($b\bar{b}$) produced in association with top quarks decaying hadronically in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
326	Measurement of the CP-violating phase ϕ_s and the B^0_s meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
325	Search for squarks and gluinos in final states with jets and missing transverse momentum at [\sqrt{s}] = 13 [\sqrt{s}] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 392	4.2	53
324	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	24
323	Study of $D^{(*)} + sJ$ mesons decaying to $D^{*} + K^0_S$ and $D^{*0} K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
322	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	34
321	A search for prompt lepton-jets in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	22
320	Search for new phenomena with photon+jet events in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
319	Study of (Υ) production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}$) = 5 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
318	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0_S \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
317	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [\sqrt{s}] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 199	4.2	39
316	Measurements of prompt charm production cross-sections in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	65
315	First observation of the decay $B^0_s \rightarrow K^0_S K^{*0}$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
314	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12

313	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	14
312	Search for strong gravity in multijet final states produced in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	12
311	Observation of the $B^0 \rightarrow J/\psi \ell^+ \ell^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
310	First observation of the decay $D^0 \rightarrow K^* \mu^+ \mu^-$ in the $\mu\mu$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 558-567	4-2	10
309	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4-2	44
308	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 210	4-2	53
307	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4-2	12
306	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4-2	6
305	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 259	4-2	48
304	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	45
303	Search for anomalous couplings in the Wtb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t -channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1-46	5-4	12
302	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4-2	68
301	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4-2	185
300	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional γ -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 11	4-2	21
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298	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4-2	28
297	Angular analysis of the $B^0 \rightarrow K^* \mu^+ \mu^-$ decay using 3 fb ⁻¹ of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
296	Study of hard double-parton scattering in four-jet events in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	21

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294	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
293	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
292	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 375	4.2	5
291	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 403	4.2	19
290	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 502	4.2	37
289	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 547	4.2	25
288	Search for minimal supersymmetric standard model Higgs Bosons \tilde{H} and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 585	4.2	28
287	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2	53
286	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 670	4.2	7
285	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
284	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 541	4.2	7
283	Search for the Higgs boson produced in association with a boson and decaying to four -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
282	Observations of $\Lambda_b \rightarrow \bar{K} + \Lambda$ and $\Lambda_b \rightarrow \bar{K} + \Lambda_c$ decays and searches for other Λ_b and Λ_c decays to $\bar{B} + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
281	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
280	Observation of $\Lambda_b \rightarrow (\bar{2S})pK$ and $\Lambda_b \rightarrow J/\psi \bar{B}K$ decays and a measurement of the Λ_b baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
279	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
278	Production of associated Y and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25

277	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^*0$ with $D \rightarrow KS^0$ \rightarrow $\pi\pi$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
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275	Measurement of the ratio of branching fractions ($\frac{\text{Br}(B^0 \rightarrow K^+ J/\psi K^0)}{\text{Br}(B^0 \rightarrow K^+ J/\psi K^+)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
274	Measurement of forward $W \rightarrow e\bar{\nu}$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
273	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	23
272	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^+ \pi^-$ decays and the $B^0 \rightarrow K^*(892)^0 \pi^+ \pi^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
271	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
270	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
269	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
268	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 658	4.2	26
267	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 565	4.2	20
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265	Study of B_c^+ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow \pi^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
264	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
263	Measurement of the $B_s^0 \rightarrow J/\psi$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4.2	4
262	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
261	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59
260	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14

259	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 12	4.2	16
258	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 87	4.2	18
257	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 81	4.2	7
256	Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at ($\sqrt{s}=8$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	33
255	Model-independent measurement of the CKM angle $\arg(B_0 \rightarrow DK^*0)$ decays with $D \rightarrow K^0 S^{\pm} \pi^{\pm}$ and $K^0 S^{\pm} K^{\pm}$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
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253	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5$ TeV proton-lead collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 473-483	4.2	32
252	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
251	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{s}=13$ TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 517	4.2	17
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249	Development of a Highly Granular Silicon-Tungsten ECAL for the ILD. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 273-275, 2554-2556	0.4	1
248	Search for B_c^+ decays to the pp^{\pm} final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
247	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
246	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 442	4.2	24
245	Measurement of CP observables in $B^\pm \rightarrow DK^\pm$ and $B^\pm \rightarrow D^\pm$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 117-131	4.2	16
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241	Measurement of the semileptonic CP asymmetry in B_0 - B_0 mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
240	Search for neutrinos from annihilation of captured low-mass dark matter particles in the sun by super-kamiokande. <i>Physical Review Letters</i> , 2015 , 114, 141301	7.4	134
239	Precision measurement of CP violation in $B(S)(0) \rightarrow J/\psi K$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
238	Measurement of B_c^+ Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 132001	7.4	35
237	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
236	Search for resonant diboson production in the WZ final state in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
235	Measurements of the WZ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2	54
234	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
233	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
232	Search for CP violation in $D_0 \rightarrow \pi^0$ decays with the energy test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 158-167	4.2	16
231	Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
230	Study of B mixing from measurement of $B(s) \rightarrow J/\psi$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
229	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
228	Measurement of the $Z+b$ -jet cross-section in pp collisions at $\sqrt{s}=7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
227	Search for the lepton flavour violating decay $\tau \rightarrow \mu \gamma$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
226	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^*(5747)^{0,+}$ states and observation of B_{c1} mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
225	Measurement of indirect CP asymmetries in $D_0 \rightarrow K^+ K^-$ and $D_0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
224	Search for production of WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209	4.2	73

223	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
222	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 412	4.2	66
221	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
220	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 228	4.2	18
219	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 335	4.2	56
218	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text] [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 303	4.2	49
217	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
216	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229	4.2	38
215	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 349	4.2	94
214	Measurement of the [Formula: see text] production cross-section in proton-proton collisions via the decay [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
213	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 318	4.2	44
212	Measurement of the top quark mass in the [Formula: see text] and [Formula: see text] channels using [Formula: see text] [Formula: see text] ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4.2	32
211	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
210	Study of CP violation in $B \rightarrow Dh$ ($h=K, \eta$) with the modes $D \rightarrow K^* \bar{D}^0$, $D \rightarrow \bar{D}^0$ and $D \rightarrow K + K^0$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
209	Confirmation of a charged charmoniumlike state $Z_c(3885)^+$ in $e^+e^- \rightarrow B(D\bar{D}^*)$ with double D tag. <i>Physical Review D</i> , 2015 , 92,	4.9	51
208	Study of $B \rightarrow DK$ and $B \rightarrow D\bar{K}$ decays and determination of the CKM angle α <i>Physical Review D</i> , 2015 , 92,	4.9	4
207	Improved Measurement of the $B \rightarrow e\bar{e}B$ Branching Ratio. <i>Physical Review Letters</i> , 2015 , 115, 071801	7.4	40
206	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	7.4	16

205	Search for Nucleon and Dinucleon Decays with an Invisible Particle and a Charged Lepton in the Final State at the Super-Kamiokande Experiment. <i>Physical Review Letters</i> , 2015 , 115, 121803	7.4	19
204	Evidence for the Strangeness-Changing Weak Decay $\bar{b} \rightarrow \bar{b}^0 \bar{\nu}$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
203	First observation and amplitude analysis of the $B \rightarrow D + K$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
202	Quantum numbers of the X(3872) state and orbital angular momentum in its DJ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
201	Amplitude analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
200	Dalitz plot analysis of $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
199	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
198	Measurement of the branching fraction ratio $B(B_c^+ \rightarrow \tau^+ \nu) / B(B_c^+ \rightarrow J/\psi)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
197	Search for the rare decays $B^0 \rightarrow J/\psi \pi^0$ and $B_s^0 \rightarrow J/\psi \pi^0$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
196	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
195	Measurement of CP Violation in $B^0 \rightarrow J/\psi K_S^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
194	Observation of the $B(s)(0) \rightarrow \pi\pi$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
193	Observation of J/ψ Resonances Consistent with Pentaquark States in $\bar{b} \rightarrow J/\psi K^+ p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
192	Measurement of the ratio of branching fractions $B(B^0 \rightarrow D^{*+} \pi^-) / B(B^0 \rightarrow D^{*+} \pi^0)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
191	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
190	Measurement of CP asymmetries and polarisation fractions in $(B_s^0 \rightarrow \overline{K}^{*0} K^+)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
189	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
188	Search for the $D_b^- \rightarrow \pi^-$ and $D_b^- \rightarrow \eta^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6

187	Measurement of the exclusive Υ production cross-section in pp collisions at ($\sqrt{s}=7$) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	42
186	Measurement of the $B^0 \rightarrow \tau^+ \tau^-$ branching fraction and search for the decay $B^0 \rightarrow \tau^+ \nu_\tau$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
185	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	42
184	Forward production of Υ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
183	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow \tau^+ \tau^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
182	Search for lepton-flavour-violating $H \rightarrow \tau \mu$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	46
181	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow D^* \tau^+ \nu_\tau$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	4
180	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	57
179	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	49
178	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \tau^+ \tau^-$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	27
177	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0_S K^0_S$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
176	Measurement of CP violation parameters and polarisation fractions in ($B^0 \rightarrow J/\psi \overline{K}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
175	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	91
174	Measurement of forward $Z \rightarrow e^+e^-$ production at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
173	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ($\sqrt{s}=7$) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	31
172	Differential branching fraction and angular analysis of $B^0 \rightarrow \tau^+ \tau^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
171	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow J/\psi K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
170	Search for the decay ($B^0 \rightarrow \overline{D}^0 \tau^+ \nu_\tau$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	10

169	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	54
168	Summary of the searches for squarks and gluinos using ($\sqrt{s}=8$) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	55
167	Determination of the top-quark pole mass using (\overline{t}) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	15
166	Measurement of forward J/ ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	47
165	Measurement of the ($\overline{t}W$) and ($\overline{t}Z$) production cross sections in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	16
164	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-65	5-4	18
163	Observation of the decay $B^0 \rightarrow (2S)K^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4-2	12
162	Search for matter-antimatter asymmetries in multi-body decays with GPUs. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 072010	0-3	
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160	Shower development of particles with momenta from 15 GeV to 150 GeV in the CALICE scintillator-tungsten hadronic calorimeter. <i>Journal of Instrumentation</i> , 2015 , 10, P12006-P12006	1	4
159	Measurement of the inelastic pp cross-section at a centre-of-mass energy of (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	13
158	Angular analysis of the $B^0 \rightarrow K^*0 e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20
157	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	37
156	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	74
155	Determination of the branching fractions of $B^0 \rightarrow D^+ S^- K^+$ and $B^0 \rightarrow D^0 S^- K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
154	Search for [Formula: see text] decays in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 165	4-2	25
153	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4-2	8
152	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015 , 75, 407	4-2	18

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148	Beam test performance of the SKIROC2 ASIC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 778, 78-84	1.2	6
147	Observation of two new $\Lambda(b)^{-}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
146	Measurement of the CP -violating phase $\arg(B^0 \rightarrow J/\psi \pi^0)$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 38-49	4.2	24
145	Measurement of the CP-violating phase $\arg(B^0 \rightarrow J/\psi \pi^0)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
144	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
143	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
142	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2982	4.2	18
141	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4.2	46
140	Measurement of the production cross section of prompt J/ψ mesons in association with a W boson in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
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137	Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	39
136	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
135	Search for direct top-squark pair production in final states with two leptons in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	52
134	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42

133	Study of (χ) production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}$) = 5 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	27
132	Observation of the $B \rightarrow J/\psi \eta$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
131	Observation of the $B \rightarrow J/\psi \eta'$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
130	Measurement of χ_1 and χ_2 production with (\sqrt{s}) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	26
129	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15
128	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	40
127	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4-2	41
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125	Measurement of the CP-violating phase ϕ_1 in $B_s(0) \rightarrow D_s(+)-D_s(-)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7-4	17
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123	Measurement of CP violation parameters in $B \rightarrow DK^*$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	11
122	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \pi\pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	47
121	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014 , 74, 1	4-2	233
120	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3117	4-2	17
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117	Measurement of CP asymmetries in the decays $B \rightarrow K^* \pi^0$ and $B \rightarrow K^* \pi^+$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5-4	15
116	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4-2	107

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113	Measurement of the $B_{s^0} B_0$ and $B_{s^0} B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
112	Search for trilepton nucleon decay via $p \rightarrow e^+ \mu$ and $p \rightarrow \mu \mu$ in the Super-Kamiokande experiment. <i>Physical Review Letters</i> , 2014 , 113, 101801	7.4	17
111	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
110	Evidence for CP violation in $B^+ \rightarrow ppK^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
109	Search for nucleon decay via $n \rightarrow \bar{\nu} \mu$ and $p \rightarrow \bar{\nu} \mu$ in Super-Kamiokande. <i>Physical Review Letters</i> , 2014 , 113, 121802	7.4	28
108	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
107	Measurement of the B_{s^0} meson lifetime in D_s^+ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
106	Observation of overlapping spin-1 and spin-3 $D_0 K^-$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
105	Dalitz plot analysis of $B_s^0 \rightarrow D_0 K^*$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
104	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
103	Search for dinucleon decay into kaons in Super-Kamiokande. <i>Physical Review Letters</i> , 2014 , 112, 131803	7.4	22
102	Test of lepton universality using $b^+ \rightarrow K^+ \mu \mu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
101	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
100	Measurement of CP violation in $B_s^0 \rightarrow \mu \mu$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
99	Measurement of the ratio of B_c^+ branching fractions to J/ψ and J/ψ final states. <i>Physical Review D</i> , 2014 , 90,	4.9	23
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96	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
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93	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
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91	Measurement of the Z boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
90	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
89	Search for CP violation in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
88	First observations of the rare decays $B^+ \rightarrow K^+ \pi^+ \pi^-$ and $B^+ \rightarrow K^+ \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
87	Measurement of the $B_c(3P)$ mass and of the relative rate of $B_c(1P)$ and $B_c(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
86	Measurement of the CKM angle α_s using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 S^0$ and $D \rightarrow K^0 S^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
85	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
84	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
83	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
82	First indication of terrestrial matter effects on solar neutrino oscillation. <i>Physical Review Letters</i> , 2014 , 112, 091805	7.4	65
81	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	50
80	Measurement of splitting scales in \rightarrow events at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8

79	Measurement of the differential cross-section of B + meson production in pp collisions at ($\sqrt{s}=7$) TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	24
78	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
77	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
76	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
75	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4.2	25
74	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
73	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}}=2.76$ TeV) with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
72	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
71	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
70	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> , 2013 , 73, 1	4.2	12
69	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
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65	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
64	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
63	Measurement of polarization in \rightarrow decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
62	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

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60	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in ($\sqrt{s} = 7, \text{TeV}$) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	37
59	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
58	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4-2	82
57	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	35
56	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	18
55	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> , 2012 , 72, 1	4-2	11
54	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
53	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	232
52	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
51	Search for proton decay via $p \rightarrow \pi K^0$ in Super-Kamiokande I, II, and III. <i>Physical Review D</i> , 2012 , 86,	4-9	23
50	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
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45	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
44	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	53

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41	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	41
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39	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
38	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
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