

Prafulla Kumar Behera

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522 papers	20,638 citations	71 h-index	115 g-index
525 ext. papers	22,781 ext. citations	5.4 avg, IF	2.66 L-index

#	Paper	IF	Citations
522	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
521	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s(\text{NN})} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 252303	7.4	458
520	Observation of large CP violation in the neutral B meson system. <i>Physical Review Letters</i> , 2001 , 87, 091802	7.4	418
519	ATLAS pixel detector electronics and sensors. <i>Journal of Instrumentation</i> , 2008 , 3, P07007-P07007	1	389
518	Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{\text{NN}}} = 2.76$ TeV lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , 2012 , 86,	2.7	313
517	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
516	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011 , 13, 053033	2.9	259
515	Observation of double $c\bar{c}$ production in e^+e^- annihilation at \sqrt{s} approximately 10.6 GeV. <i>Physical Review Letters</i> , 2002 , 89, 142001	7.4	238
514	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	233
513	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
512	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
511	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
510	Study of $B \rightarrow D^{*0} D^{*0} \rightarrow D^{*0} D^{*0} + \pi$ decays. <i>Physical Review D</i> , 2004 , 69,	4.9	204
509	Evidence of a broad structure at an invariant mass of 4.32 GeV/c ² in the reaction $e^+e^- \rightarrow \pi^+\pi^-\psi(2S)$ measured at BABAR. <i>Physical Review Letters</i> , 2007 , 98, 212001	7.4	200
508	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
507	Observation of the $D(sJ)(2317)$ and $D(sJ)(2457)$ in B decays. <i>Physical Review Letters</i> , 2003 , 91, 262002	7.4	197
506	Evidence for D^0 - \bar{D}^0 mixing. <i>Physical Review Letters</i> , 2007 , 98, 211802	7.4	186

505	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
504	Improved measurement of mixing-induced CP violation in the neutral B meson system. <i>Physical Review D</i> , 2002 , 66,	4.9	167
503	Precise measurement of the $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ cross section with the initial state radiation method at BABAR. <i>Physical Review Letters</i> , 2009 , 103, 231801	7.4	163
502	Search for the standard model Higgs boson in the diphoton decay channel with 4.9 fb ⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 111803	7.4	157
501	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
500	Search for dimuon decays of a light scalar boson in radiative transitions $Upsilon \rightarrow \gamma A^0$. <i>Physical Review Letters</i> , 2009 , 103, 081803	7.4	139
499	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
498	Evidence for $X(3872) \rightarrow \psi(2S)\gamma$ in $B^{+/-} \rightarrow X(3872)K^{+/-}$ decays and a study of $B \rightarrow cc[\overline{\text{over}}]\gamma K$. <i>Physical Review Letters</i> , 2009 , 102, 132001	7.4	134
497	Observation of the bottomonium ground state in the decay $Upsilon(3S) \rightarrow \gamma \eta'_{\text{etab}}$. <i>Physical Review Letters</i> , 2008 , 101, 071801	7.4	132
496	Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. <i>Physical Review Letters</i> , 2011 , 106, 131802	7.4	125
495	Observation of the $\eta_c(2S)$ in Exclusive $B \rightarrow KK(S)K\pi^+$ Decays. <i>Physical Review Letters</i> , 2002 , 89, 102001	7.4	125
494	Evidence for the decay $X(3872) \rightarrow J/\psi \pi^0$ <i>Physical Review D</i> , 2010 , 82,	4.9	119
493	Measurement of the inclusive W^- and Z/ν cross sections in the e and μ decay channels in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	117
492	Observation of a new Ds meson decaying to DK at a mass of 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2006 , 97, 222001	7.4	117
491	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell n$ ($\overline{\text{toverline t}}$) events using pp collision data at ($\sqrt{s} = 7$;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
490	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	112
489	Observation of $Y(3940) \rightarrow J/\psi \omega$ in $B \rightarrow J/\psi \omega K$ at BABAR. <i>Physical Review Letters</i> , 2008 , 101, 082001	7.4	111
488	Precise measurement of the $e^+e^- \rightarrow \mu^+\mu^- \gamma$ cross section with the initial-state radiation method at BABAR. <i>Physical Review D</i> , 2012 , 86,	4.9	110

487	A search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>New Journal of Physics</i> , 2011 , 13, 053044	2.9	108
486	Measurement of inclusive jet and dijet production in pp collisions at $s=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	107
485	Search for $B \rightarrow X(3872)K$, $X(3872) \rightarrow J/\psi$ <i>Physical Review D</i> , 2006 , 74,	4.9	106
484	Search for doubly charged Higgs bosons in like-sign dilepton final states at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
483	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
482	Study of resonances in exclusive B decays to $D^{(*)}D^{(*)}K$. <i>Physical Review D</i> , 2008 , 77,	4.9	100
481	Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 011802	7.4	99
480	Determination of the strange-quark density of the proton from ATLAS measurements of the $W \rightarrow \ell$ and $Z \rightarrow \ell\ell$ cross sections. <i>Physical Review Letters</i> , 2012 , 109, 012001	7.4	98
479	Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 161801	7.4	97
478	Measurement of branching fractions and polarization in $B \rightarrow \phi K^{(*)}$ decays. <i>Physical Review Letters</i> , 2003 , 91, 201801	7.4	96
477	Observation of $B^{+/-} \rightarrow p^{(-)}\bar{p}K^{+/-}$. <i>Physical Review Letters</i> , 2002 , 88, 181803	7.4	93
476	Measurement of the CP violation parameter $\sin^2 \phi(1)$ in $B^0(d)$ meson decays. <i>Physical Review Letters</i> , 2001 , 86, 2509-14	7.4	90
475	Measurement of $B^0(d)-B^0(d)$ mixing rate from the time evolution of dilepton events at the $\sqrt{s}(4S)$. <i>Physical Review Letters</i> , 2001 , 86, 3228-32	7.4	89
474	Study of $D_s J$ decays to $D^* K$ in inclusive e^+e^- interactions. <i>Physical Review D</i> , 2009 , 80,	4.9	86
473	Observation of an excited charm baryon Ω_c^* decaying to $\Omega_c \gamma$. <i>Physical Review Letters</i> , 2006 , 97, 232001	7.4	86
472	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow \bar{c} \bar{s} K^{(*)0}$ decays. <i>Physical Review D</i> , 2009 , 79,	4.9	84
471	Observation of $B \rightarrow \rho^+ \rho^0$ decays. <i>Physical Review Letters</i> , 2003 , 91, 221801	7.4	84
470	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

469	Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow K^{(*)} \mu \mu$. <i>Physical Review D</i> , 2012 , 86,	4.9	82
468	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
467	Observation of $B(0) \rightarrow D^{(*)0} \mu \mu$. <i>Physical Review Letters</i> , 2002 , 89, 151802	7.4	81
466	Observation of the semileptonic decays $B \rightarrow D^* \tau \nu_\tau$ and evidence for $B \rightarrow D \tau \nu_\tau$. <i>Physical Review Letters</i> , 2008 , 100, 021801	7.4	79
465	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
464	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
463	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
462	Observation of a new (b) state in radiative transitions to $(1S)$ and $(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001	7.4	77
461	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
460	Study of $B \rightarrow \mu \mu$ and $B \rightarrow \mu \tau$ decays and determination of $ V_{ub} $. <i>Physical Review D</i> , 2011 , 83,	4.9	76
459	Observation of the decay $B \rightarrow K l^+ l^-$. <i>Physical Review Letters</i> , 2002 , 88, 021801	7.4	76
458	Study of the reaction $e^+ e^- \rightarrow J/\psi \mu \mu$ via initial-state radiation at BABAR. <i>Physical Review D</i> , 2012 , 86,	4.9	75
457	Exclusive initial-state-radiation production of the DD^* , $D^* D^*$, and $D^* D^{* *}$ systems. <i>Physical Review D</i> , 2009 , 79,	4.9	75
456	Study of $B \rightarrow X(3872) K$, with $X(3872) \rightarrow J/\psi \mu \mu$. <i>Physical Review D</i> , 2008 , 77,	4.9	75
455	Searches for invisible decays of the Higgs boson in pp collisions at $(\sqrt{s}) = 7, 8$, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
454	Search for dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 272002	7.4	74
453	Study of the exclusive initial-state-radiation production of the DD^* system. <i>Physical Review D</i> , 2007 , 76,	4.9	73
452	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72

451	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
450	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
449	Measurement of W+W $\bar{\nu}$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector and limits on anomalous WWZ and WW $\bar{\nu}$ couplings. <i>Physical Review D</i> , 2013 , 87,	4.9	70
448	Measurement of D ⁰ -D ⁰ mixing parameters using D ⁰ → K(S)(0) π^{\pm} and D ⁰ → K(S)(0)K ⁺ K ⁻ decays. <i>Physical Review Letters</i> , 2010 , 105, 081803	7.4	70
447	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
446	Measurement of upilon production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , 2013 , 87,	4.9	68
445	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$; {text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
444	Evidence for the eta(b)(1S) meson in radiative Upsilon(2S) decay. <i>Physical Review Letters</i> , 2009 , 103, 161801	7.0	67
443	Observation of spin correlation in tt \bar{t} events from pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 212001	7.4	67
442	Study of three-body charmless B decays. <i>Physical Review D</i> , 2002 , 65,	4.9	67
441	Measurement of branching fractions for B → pi pi, K pi, and K K decays. <i>Physical Review Letters</i> , 2001 , 87, 101801	7.4	65
440	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
439	Angular distributions in the decay B → K [*] l + l \bar{l} . <i>Physical Review D</i> , 2009 , 79,	4.9	63
438	Improved measurement of the CKM angle γ in B \rightarrow D(*)K(*) π decays with a Dalitz plot analysis of D decays to KS0 π^{\pm} and KS0K ⁺ K π^{\pm} . <i>Physical Review D</i> , 2008 , 78,	4.9	63
437	Search for high-mass resonances in dilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
436	Production of prompt charmonia in e ⁽⁺⁾ e ⁽⁻⁾ annihilation at square root of s approximately equals 0.6 GeV. <i>Physical Review Letters</i> , 2002 , 88, 052001	7.4	62
435	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
434	Study of excited charm-strange baryons with evidence for new baryons $\bar{D}(3055)^+$ and $\bar{D}(3123)^+$. <i>Physical Review D</i> , 2008 , 77,	4.9	61

433	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $(\sqrt{s}) = 7$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
432	Observation of the $\Xi(2P)$ meson in the reaction $\Xi \rightarrow DD^*$ at BABAR. <i>Physical Review D</i> , 2010 , 81,	4.9	60
431	Search for CP violation in the decays $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$. <i>Physical Review Letters</i> , 2008 , 100, 061803	7.4	60
430	Study of the reaction $e^+e^- \rightarrow (2S) \gamma \gamma$ via initial-state radiation at BaBar. <i>Physical Review D</i> , 2014 , 89,	4.9	59
429	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4.2	58
428	Study of CP violation in Dalitz-plot analyses of $B^0 \rightarrow K^+ K^- S^0$, $B^+ \rightarrow K^+ K^- S^+$, and $B^+ \rightarrow K^0 K^0 S^+$. <i>Physical Review D</i> , 2012 , 85,	4.9	58
427	Direct CP, lepton flavor, and isospin asymmetries in the decays $B^- \rightarrow K^{(*)} l^-$. <i>Physical Review Letters</i> , 2009 , 102, 091803	7.4	58
426	Measurement of the $W \rightarrow \ell \bar{\nu}$ and $Z/\ell \rightarrow \ell \bar{\nu}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
425	Evidence for direct CP violation from Dalitz-plot analysis of $B^+ \rightarrow K^+ \ell^+ \ell^-$. <i>Physical Review D</i> , 2008 , 78,	4.9	58
424	Measurement of $ V_{cb} $ and the form-factor slope in $B \rightarrow D \ell^- \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , 2010 , 104, 011802	7.4	57
423	Measurement of the $e^+e^- \rightarrow b\bar{b}$ Cross Section between $\sqrt{s}=10.54$ and 11.20 GeV. <i>Physical Review Letters</i> , 2009 , 102, 012001	7.4	57
422	A particle consistent with the Higgs boson observed with the ATLAS detector at the Large Hadron Collider. <i>Science</i> , 2012 , 338, 1576-82	33.3	56
421	Observation of $B^0 \rightarrow p \Lambda(\pi)^-$. <i>Physical Review Letters</i> , 2003 , 90, 201802	7.4	56
420	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	55
419	Exclusive branching-fraction measurements of semileptonic tau decays into three charged hadrons, into $\phi \pi^0 \nu$ tau, and into $\phi K^0 \nu$ tau. <i>Physical Review Letters</i> , 2008 , 100, 011801	7.4	55
418	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4.2	54
417	Measurement of $W \pm Z$ production in proton-proton collisions at $(\sqrt{s}=7 \sim \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
416	Search for scalar bottom quark pair production with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 181802	7.4	54

415	Observation of CP violation in $B(0) \rightarrow K(+) \pi(-)$ and $B(0) \rightarrow \pi(+) \pi(-)$. <i>Physical Review Letters</i> , 2007 , 99, 021603	7.4	54
414	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using 1 fb of ATLAS data. <i>Physical Review D</i> , 2012 , 85,	4.9	53
413	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
412	Observation of $B^+ \rightarrow K^0 K^+$ and $B^0 \rightarrow K^0 K^0$. <i>Physical Review Letters</i> , 2006 , 97, 171805	7.4	52
411	Measurement of the $B^0 \rightarrow \pi(-l)(+\nu)$ form-factor shape and branching fraction, and determination of $ V_{ub} $ with a loose neutrino reconstruction technique. <i>Physical Review Letters</i> , 2007 , 98, 091801	7.4	52
410	Study of B meson decays to three-body charmless hadronic final states. <i>Physical Review D</i> , 2004 , 69,	4.9	52
409	Measurement of the electroweak penguin process $B \rightarrow X(s) l^+ l^-$. <i>Physical Review Letters</i> , 2003 , 90, 021801	7.4	52
408	Measurement of Z boson production in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 022301	7.4	51
407	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
406	Search for a low-mass higgs boson in $Upsilon(3S) \rightarrow \gamma A(0)$, $A(0) \rightarrow \tau(+) \tau(-)$ at BABAR. <i>Physical Review Letters</i> , 2009 , 103, 181801	7.4	51
405	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
404	Search for narrow and broad dijet resonances in proton-proton collisions at $(\sqrt{s}=13)$ TeV and constraints on dark matter mediators and other new particles. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	50
403	Measurements of W and Z production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2013 , 87,	4.9	49
402	Search for a light Higgs boson decaying to long-lived weakly interacting particles in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 251801	7.4	48
401	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46
400	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 172002	7.4	46
399	Search for new phenomena in tt events with large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041805	7.4	46
398	Study of $B^0 \rightarrow \pi^0 \pi^0$ decays and constraints on the CKM angle β . <i>Physical Review D</i> , 2007 , 76,	4.9	46

397	Measurement of ZZ production in pp collisions at ($\sqrt{s}=7$) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
396	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
395	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
394	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	44
393	Measurement of the cross section for top-quark pair production in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
392	Measurements of the semileptonic decays $B \rightarrow D^* \ell$ and $B \rightarrow D^* \nu$ using a global fit to $D X$ final states. <i>Physical Review D</i> , 2009 , 79,	4.9	43
391	Search for production of invisible final states in single-photon decays of $\Upsilon(1S)$. <i>Physical Review Letters</i> , 2011 , 107, 021804	7.4	43
390	Determination of the form factors for the decay $B^0 \rightarrow D^{*+} \ell^- \bar{\nu}$ and of the CKM matrix element $ V_{cb} $. <i>Physical Review D</i> , 2008 , 77,	4.9	43
389	Observation of mixing-induced CP violation in the neutral B meson system. <i>Physical Review D</i> , 2002 , 66,	4.9	43
388	Observation of the color-suppressed decay $B(0) \rightarrow D(0)\pi(0)$. <i>Physical Review Letters</i> , 2002 , 88, 052002	7.4	43
387	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
386	Evidence for direct CP violation in the measurement of the Cabbibo-Kobayashi-Maskawa angle β with $B^0 \rightarrow D^{(*)}K^{(*)}$ decays. <i>Physical Review Letters</i> , 2010 , 105, 121801	7.4	42
385	Limits on lepton-flavor violating decays into three charged leptons. <i>Physical Review D</i> , 2010 , 81,	4.9	42
384	Dalitz plot analysis of $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2009 , 79,	4.9	42
383	Further search for supersymmetry at $\sqrt{s}=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	42
382	Study of $B^0 \rightarrow \pi^+ \pi^-$, $B^+ \rightarrow \pi^+ \pi^0$, and $B^+ \rightarrow K^+ \pi^0$ decays, and isospin analysis of $B \rightarrow \pi$ decays. <i>Physical Review D</i> , 2007 , 76,	4.9	42
381	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
380	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7$ TeV) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41

379	Dalitz plot analysis of $B \rightarrow D + \pi$. <i>Physical Review D</i> , 2009 , 79,	4.9	4 ¹
378	Search for hadronic decays of a light Higgs boson in the radiative decay $B \rightarrow \gamma A^0$. <i>Physical Review Letters</i> , 2011 , 107, 221803	7.4	4 ¹
377	Cross sections for the reactions $e^+e^- \rightarrow K^+K^- \pi^0 K^0 \pi^0$, and $K^+K^- \pi^0 K^0$ measured using initial-state radiation events. <i>Physical Review D</i> , 2012 , 86,	4.9	4 ¹
376	Study of jets produced in association with a W boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	4 ¹
375	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	4 ¹
374	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho K^*$ and $B \rightarrow f_0(980) K^*$ decays. <i>Physical Review Letters</i> , 2006 , 97, 201801	7.4	4 ¹
373	Measurement of the inelastic proton-proton cross section at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4 ¹
372	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4 ⁰
371	Vector-tensor and vector-vector decay amplitude analysis of $B^0 \rightarrow \phi K^* 0$. <i>Physical Review Letters</i> , 2007 , 98, 051801	7.4	4 ⁰
370	Observation of $D^+(s)K^-$ and evidence for $D^+(s)\pi^-$ final states in neutral B decays. <i>Physical Review Letters</i> , 2002 , 89, 231804	7.4	39
369	Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	39
368	Measurements of charged current lepton universality and $ V_{us} $ using tau lepton decays to $e^- \ell^+ \ell^-$ ($\ell = \mu, \tau$) and $K^- \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2010 , 105, 051602	7.4	38
367	Evidence for CP-violating asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ decays and constraints on the CKM angle α . <i>Physical Review D</i> , 2003 , 68,	4.9	38
366	Observation of $B^+ \rightarrow \chi(c0) K^+$. <i>Physical Review Letters</i> , 2002 , 88, 031802	7.4	38
365	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
364	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7 \sim \sqrt{s_{\text{TeV}}}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
363	Time-dependent amplitude analysis of $B^0 \rightarrow K_S^0 \pi^+ \pi^-$. <i>Physical Review D</i> , 2009 , 80,	4.9	37
362	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	37

361	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
360	Measurement of $D^0\bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K\bar{K}^0$, $K\bar{K}^+$, and \bar{K}^0_S . <i>Physical Review D</i> , 2008 , 78,	4.9	36
359	Time-dependent and time-integrated angular analysis of $B \rightarrow \bar{K}^0 S^0$ and \bar{K}^{*0} . <i>Physical Review D</i> , 2008 , 78,	4.9	36
358	Measurement of the $B \rightarrow \pi l \nu$ branching fraction and determination of absolute value of V_{ub} with tagged B mesons. <i>Physical Review Letters</i> , 2006 , 97, 211801	7.4	36
357	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$. <i>Physical Review Letters</i> , 2007 , 99, 221801	7.4	36
356	Improved limits on the lepton-flavor violating decays $\tau \rightarrow l \gamma$. <i>Physical Review Letters</i> , 2007 , 99, 251803	7.4	36
355	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4.2	36
354	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	35
353	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	35
352	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
351	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s}=7$ TeV in the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2013 , 15, 043007	2.9	35
350	Search for invisible decays of the Upsilon(1S). <i>Physical Review Letters</i> , 2009 , 103, 251801	7.4	35
349	Search for gluinos in events with two same-sign leptons, jets, and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 241802	7.4	35
348	Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons. <i>Physical Review Letters</i> , 2012 , 109, 032001	7.4	35
347	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at ($\sqrt{s}=8$) TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34
346	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
345	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	34
344	Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	34

343	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
342	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
341	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2013 , 87,	4.9	34
340	Measurement of D^0 - \overline{D}^0 mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , 2009 , 103, 211801	7.4	34
339	Searches for rare or forbidden semileptonic charm decays. <i>Physical Review D</i> , 2011 , 84,	4.9	33
338	Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ decay channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 111802	7.4	32
337	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+ K^- K^0$. <i>Physical Review Letters</i> , 2007 , 99, 161802	7.4	32
336	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
335	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s} = 7 \text{ TeV}$) proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
334	Measurement of CP asymmetries and branching fractions in charmless two-body B-meson decays to pions and kaons. <i>Physical Review D</i> , 2013 , 87,	4.9	31
333	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	31
332	Search for tb resonances in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 081801	7.4	31
331	Improved measurement of CP violation in neutral B decays to $c\overline{c}s$. <i>Physical Review Letters</i> , 2007 , 99, 171803	7.4	31
330	Measurement of CP violation parameters with a Dalitz plot analysis of $B^{\pm} \rightarrow D^0 \pi^{\pm} \pi^0 K^{\pm}$. <i>Physical Review Letters</i> , 2007 , 99, 251801	7.4	31
329	Measurement of branching fractions and charge asymmetries for two-body B meson decays with charmonium. <i>Physical Review D</i> , 2003 , 67,	4.9	31
328	Search for third generation scalar leptoquarks in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
327	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
326	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ($\sqrt{s} = 900 \text{ GeV}$) and ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	30

325	Measurement of $D^0\bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K\pi$ and $K+K\pi$. <i>Physical Review D</i> , 2009 , 80,	4.9	30
324	Dalitz plot analysis of $D_s^+ \rightarrow K+K\pi$. <i>Physical Review D</i> , 2011 , 83,	4.9	30
323	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	30
322	Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 261804	7.4	30
321	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
320	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	29
319	Measurement of the $B^0 \rightarrow \pi^0\pi^0$ and $B^+ \rightarrow \pi^+\pi^0$ branching fractions, the $B^0 \rightarrow \pi^0\pi^0$ and $B^+ \rightarrow \pi^+\pi^0$ form-factor shapes, and determination of $ V_{ub} $. <i>Physical Review D</i> , 2011 , 83,	4.9	29
318	Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 041804	7.4	29
317	Search for vector-like T and B quark pairs in final states with leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	29
316	Measurement of the production cross section for Z/γ in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	28
315	Study of $B \rightarrow X\pi$ decays and determination of $ V_{td}/V_{ts} $. <i>Physical Review D</i> , 2010 , 82,	4.9	28
314	Measurement of $B \rightarrow K^*(892)\gamma$ branching fractions and CP and Isospin asymmetries. <i>Physical Review Letters</i> , 2009 , 103, 211802	7.4	28
313	Measurement of the branching fractions of $B \rightarrow D^{**}(\ell)\nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , 2008 , 101, 261802	7.4	28
312	Search for $D^0\bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , 2007 , 76,	4.9	28
311	Evidence for the $B^0 \rightarrow \pi^+\pi^-K^0$ and $B^+ \rightarrow \pi^+\pi^-K^+$ decays and study of the decay dynamics of B meson decays into $\pi\pi h$ final states. <i>Physical Review D</i> , 2007 , 76,	4.9	28
310	Study of exclusive B decays to charmed baryons. <i>Physical Review D</i> , 2002 , 66,	4.9	28
309	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
308	Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow (\ell^+\ell^-)(\ell^+\ell^-)$ decay channel with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 221802	7.4	27

307	Search for charmless two-body baryonic decays of B mesons. <i>Physical Review D</i> , 2002 , 65,	4.9	27
306	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 269	4.2	26
305	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	26
304	Measurement of CP observables in $B^{\pm} \rightarrow D^0 \bar{K}^{\pm}$ decays and constraints on the CKM angle ϕ_1 <i>Physical Review D</i> , 2010 , 82,	4.9	26
303	Measurement of semileptonic B decays into orbitally excited charmed mesons. <i>Physical Review Letters</i> , 2009 , 103, 051803	7.4	26
302	Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton + jets channel with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 261802	7.4	26
301	Measurement of branching fractions for $B \rightarrow \eta(c) K^*$ decays. <i>Physical Review Letters</i> , 2003 , 90, 071801	7.4	26
300	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
299	Search for top squark pair production in pp collisions at ($\sqrt{s}=13$) TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
298	Measurements of CP-violating asymmetries in $B^0 \rightarrow \pi^+ \pi^- (1260) \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2007 , 98, 181803	7.4	25
297	Observation of $B \rightarrow J/\psi K(1)(1270)$. <i>Physical Review Letters</i> , 2001 , 87, 161601	7.4	25
296	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701	4.2	25
295	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24
294	Search for CP violation in the decay $B \rightarrow K_S^0 (D^0) \pi^0$ <i>Physical Review D</i> , 2012 , 85,	4.9	24
293	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	24
292	Search for lepton-number violating processes in $B^+ \rightarrow h^+ \ell^+ \ell^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	24
291	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	24
290	Measurement of time dependent CP asymmetry parameters in B^0 meson decays to K_S^0 , \bar{K}^0 , and \bar{K}^0 . <i>Physical Review D</i> , 2009 , 79,	4.9	24

289	Measurement of the branching fraction, polarization, and CP asymmetries in $B^0 \rightarrow D^0$ decay, and implications for the CKM angle β . <i>Physical Review D</i> , 2008 , 78,	4.9	24
288	Amplitude analysis of the $B^+ \rightarrow \phi K^*(892)^+ \pi^0$ decay. <i>Physical Review Letters</i> , 2007 , 99, 201802	7.4	24
287	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	24
286	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	23
285	Measurement of the $W^+ W^-$ cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. <i>Physical Review Letters</i> , 2011 , 107, 041802	7.4	23
284	Search for pair production of a new b' quark that decays into a Z boson and a bottom quark with the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 109, 071801	7.4	23
283	Search for CP violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , 2008 , 78,	4.9	23
282	Measurements of branching fraction, polarization, and charge asymmetry of $B^{(\pm)} \rightarrow \rho^{(\pm)} \rho^0(0)$ and a search for $B^{(\pm)} \rightarrow \rho^{(\pm)} f_0(980)$. <i>Physical Review Letters</i> , 2006 , 97, 261801	7.4	23
281	Observation of Cabibbo suppressed $B \rightarrow D^{(*)} K^-$ decays at Belle. <i>Physical Review Letters</i> , 2001 , 87, 111801.	7.4	23
280	Charmless hadronic two-body B meson decays. <i>Physical Review D</i> , 2002 , 66,	4.9	23
279	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4.2	23
278	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
277	Measurement of the [Formula: see text] production cross section using events in the [Formula: see text] final state in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 172	4.2	22
276	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4.2	22
275	. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
274	Search for $b \rightarrow u$ transitions in $B \rightarrow DK$ and $D^* K$ decays. <i>Physical Review D</i> , 2010 , 82,	4.9	22
273	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow X c \ell$. <i>Physical Review D</i> , 2010 , 81,	4.9	22
272	Evidence for the $h_b(1P)$ meson in the decay $(B^S) \rightarrow D^0 h_b(1P)$. <i>Physical Review D</i> , 2011 , 84,	4.9	22

271	Search for the Higgs boson in the $H \rightarrow WW \rightarrow l\bar{l}$ decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 107, 231801	7.4	22
270	Measurements of $B \rightarrow \{\pi, \eta, \eta', \dots\} \ell \nu_{\ell}$ branching fractions and determination of $ V_{ub} $ with semileptonically tagged B mesons. <i>Physical Review Letters</i> , 2008 , 101, 081801	7.4	22
269	Branching fraction measurements of $B^{+-} \rightarrow \rho^0 \gamma$, $B^0 \rightarrow \rho^0 \gamma$, and $B^0 \rightarrow \omega \gamma$. <i>Physical Review Letters</i> , 2007 , 98, 151802	7.4	22
268	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=7$ TeV and search for anomalous triple gauge couplings at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2017 , 77, 236	4.2	21
267	A search for new phenomena in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and at least one jet using the M_{T2} variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4.2	21
266	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2017 , 77, 578	4.2	21
265	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
264	Exclusive production of $D_s^+ D_s^-$ and $D_s^{*+} D_s^{*-}$ via $e^+ e^-$ annihilation with initial-state radiation. <i>Physical Review D</i> , 2010 , 82,	4.9	21
263	Search for the decay modes $B^{\pm} \rightarrow h^{\pm} \gamma$. <i>Physical Review D</i> , 2012 , 86,	4.9	21
262	Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	21
261	Observation and polarization measurements of $B^{\pm} \rightarrow \phi K^1$ and $B^{\pm} \rightarrow \phi K^2$. <i>Physical Review Letters</i> , 2008 , 101, 161801	7.4	21
260	Observation of $B^0 \rightarrow K^{*0} K^0$ and Search for $B^0 \rightarrow K^{*0} K^0$. <i>Physical Review Letters</i> , 2008 , 100, 081801	7.4	21
259	Production and decay of Ω_c^0 . <i>Physical Review Letters</i> , 2007 , 99, 062001	7.4	21
258	Observation of CP violation in $B \rightarrow \eta' K^0$ decays. <i>Physical Review Letters</i> , 2007 , 98, 031801	7.4	21
257	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
256	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20
255	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
254	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20

253	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636	4.2	20
252	K_S^0 and \bar{K}^0 production in pp interactions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector at the LHC. <i>Physical Review D</i> , 2012 , 85,	4.9	20
251	Improved measurement of $B^+ \rightarrow \rho^+ \rho^0$ and determination of the quark-mixing phase angle α . <i>Physical Review Letters</i> , 2009 , 102, 141802	7.4	20
250	Study of $B^0 \rightarrow Xu$ decays in BB^0 events tagged by a fully reconstructed B-meson decay and determination of $ V_{ub} $. <i>Physical Review D</i> , 2012 , 86,	4.9	20
249	Evidence for CP violation in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , 2008 , 101, 021801	7.4	20
248	Measurement of the branching fractions of exclusive $B \rightarrow D^{(*)}(\pi)l^+ l^-$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , 2008 , 100, 151802	7.4	20
247	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^{*+} D^{*-} K_S^0$. <i>Physical Review D</i> , 2006 , 74,	4.9	20
246	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
245	Test of lepton universality in $B \rightarrow K^* \ell^+ \ell^-$ decays at BABAR. <i>Physical Review Letters</i> , 2010 , 104, 191801	7.4	19
244	Initial-state radiation measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section. <i>Physical Review D</i> , 2012 , 85,	4.9	19
243	Measurement of D^{*+} meson production in jets from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	19
242	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow K_S^0 \pi^0$ decays. <i>Physical Review D</i> , 2008 , 78,	4.9	19
241	Study of B-meson decays to $\bar{B}K^*$, $\bar{B}(2S)K^*$, and $\bar{B}K^*$. <i>Physical Review D</i> , 2008 , 78,	4.9	19
240	Measurement of CP-violating asymmetries in $B^0 \rightarrow D^{*+} D^{-} \pi^0$. <i>Physical Review Letters</i> , 2007 , 99, 071801	7.4	19
239	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 965	4.2	19
238	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018 , 78, 789	4.2	19
237	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
236	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18

235	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
234	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying ℓ leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
233	Search for resonant diboson production in the $WW/WZ \rightarrow \ell\ell$ decay channels with the ATLAS detector at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	18
232	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ($\sqrt{s}=7$) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	18
231	Measurement of the $Z \rightarrow \ell\ell$ cross section with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	18
230	Measurement of the semileptonic decays $B \rightarrow D\ell\ell$ and $B \rightarrow D^*\ell\ell$. <i>Physical Review D</i> , 2009 , 79,	4.9	18
229	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a K^* meson. <i>Physical Review Letters</i> , 2006 , 97, 201802	7.4	18
228	Measurement of branching fraction ratios and CP asymmetries in $B^+ \rightarrow D^0 C P K^+$. <i>Physical Review D</i> , 2003 , 68,	4.9	18
227	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	18
226	Search for ($\overline{\text{t}}\text{t} \rightarrow \text{H}$) production in the ($\text{H} \rightarrow \text{b}\overline{\text{b}}$) decay channel with leptonic ($\overline{\text{t}}\text{t} \rightarrow \ell\ell$) decays in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
225	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
224	Measurement of polarization in $\tau \rightarrow \mu \nu \ell \bar{\nu}$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
223	Search for ($\overline{\text{t}}\text{t}$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	17
222	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4.2	17
221	Observation and study of the baryonic B-meson decays $B \rightarrow D^{(*)} \rho \rho$. <i>Physical Review D</i> , 2012 , 85,	4.9	17
220	Observation of $B(1S)$ and $B(2S)$ decays to $K+K\pi\pi$ in two-photon interactions. <i>Physical Review D</i> , 2011 , 84,	4.9	17
219	Search for diphoton events with large missing transverse energy in 7 TeV proton-proton collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 106, 121803	7.4	17
218	Search for D^0 - \bar{D}^0 mixing and branching-ratio measurement in the decay $D^0 \rightarrow K^+ \pi^- \pi^0$. <i>Physical Review Letters</i> , 2006 , 97, 221803	7.4	17

217	Measurement of $\cos 2\beta$ in $B_{(0)} \rightarrow D_{(*)} h_{(0)}$ decays with a time-dependent Dalitz plot analysis of $D \rightarrow K_{(s)} \pi_{(0)} \pi_{(0)}$. <i>Physical Review Letters</i> , 2007 , 99, 231802	7.4	17
216	Study of CP-violating asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2002 , 89, 071801	7.4	17
215	Precise measurement of B meson lifetimes with hadronic decay final states. <i>Physical Review Letters</i> , 2002 , 88, 171801	7.4	17
214	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
213	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
212	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
211	Search for anomalous production of prompt like-sign lepton pairs at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
210	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
209	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. <i>Physical Review D</i> , 2011 , 83,	4.9	16
208	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
207	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
206	Measurements of ($\overline{\sigma}(\mathbf{t})$) differential cross sections in proton-proton collisions at ($\sqrt{s}=13$) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
205	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	15
204	Search for resonant top quark plus jet production in $t\bar{t} + \text{jets}$ events with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2012 , 86,	4.9	15
203	Measurement of the decay $B^{(-)} \rightarrow D^{(0)} e^{(-)} \nu_{\text{e}}$. <i>Physical Review Letters</i> , 2008 , 100, 231803	7.4	15
202	Measurements of partial branching fractions for $B \rightarrow X \ell \nu$ and determination of $ V_{ub} $. <i>Physical Review Letters</i> , 2008 , 100, 171802	7.4	15
201	Observation of $B^{+} \rightarrow a_1(1260) K^0$ and $B^0 \rightarrow a_1(1260) K^+$. <i>Physical Review Letters</i> , 2008 , 100, 051803	7.4	15
200	Observation of tree-level B decays with ss production from gluon radiation. <i>Physical Review Letters</i> , 2008 , 100, 171803	7.4	15

199	Inclusive B^+ production in e^+e^- annihilations at $\sqrt{s}=10.54$ GeV and in B^0 decays. <i>Physical Review D</i> , 2007 , 75,	4.9	15
198	Observation of B Meson decays to $B^0\pi^0$ and B^0K^0 . <i>Physical Review Letters</i> , 2007 , 99, 241803	7.4	15
197	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
196	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4.2	14
195	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
194	Search for charged Higgs bosons through the violation of lepton universality in (\overline{t}) events using pp collision data at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
193	Measurement of the (\overline{t}) production cross section using events with one lepton and at least one jet in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	14
192	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2013 , 87,	4.9	14
191	Measurements of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)} + D^{(*)} \pi^0$ decays. <i>Physical Review D</i> , 2009 , 79,	4.9	14
190	Model-independent search for the decay $B^+ \rightarrow l^+ \pi^0 \pi^0$. <i>Physical Review D</i> , 2009 , 80,	4.9	14
189	Observation of B meson decays to K^{*0} and improved measurements for B^0 and B^+ . <i>Physical Review D</i> , 2009 , 79,	4.9	14
188	B meson decays to charmless meson pairs containing $B^0 \rightarrow \pi^0 \pi^0$ mesons. <i>Physical Review D</i> , 2009 , 80,	4.9	14
187	Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. <i>Physical Review Letters</i> , 2011 , 106, 251801	7.4	14
186	Amplitude analysis and measurement of the time-dependent CP asymmetry of $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	14
185	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010 , 70, 875-916	4.2	14
184	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
183	Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to K^{*0} , B^0 , K^0 , π^0 , K^+ , and π^+ . <i>Physical Review D</i> , 2007 , 76,	4.9	14
182	Evidence for $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2003 , 91, 241802	7.4	14

181	Observation of the decay $B(0) \rightarrow D^{(*)} D^{(*)}$. <i>Physical Review Letters</i> , 2002 , 89, 122001	7.4	14
180	Search for supersymmetry in events with a dilepton pair and missing transverse momentum in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
179	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
178	Measurement of exclusive γ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
177	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
176	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	13
175	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
174	Branching fraction measurement of $B \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	13
173	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
172	Measurement of branching fractions of B decays to $K_1(1270)$ and $K_1(1400)$ and determination of the CKM angle ϕ from $B^0 \rightarrow a_1(1260)^- \pi^+$. <i>Physical Review D</i> , 2010 , 81,	4.9	13
171	Search for $B^0 \rightarrow \gamma (K^+ \pi^-)$ decays with large $K^+ \pi^-$ invariant mass. <i>Physical Review D</i> , 2007 , 76,	4.9	13
170	Measurement of $(\sigma_{\text{pp}} / \sigma_{\text{pp}}^{\text{inel}})$ normalised multi-differential cross sections in (pp) collisions at $(\sqrt{s}=13, \text{TeV})$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
169	Search for $(\overline{\text{t}} \text{t}) \text{H}$ production in the all-jet final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
168	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4.2	13
167	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
166	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
165	Measurement of normalized differential $(\overline{\text{t}} \text{t})$ cross sections in the dilepton channel from pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
164	The differential production cross section of the $[\text{Formula: see text}](1020)$ meson in $[\text{Formula: see text}] = 7 \text{ TeV}$ $[\text{Formula: see text}]$ collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2895	4.2	12

163	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ mbox{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
162	Study of radiative bottomonium transitions using converted photons. <i>Physical Review D</i> , 2011 , 84,	4.9	12
161	Search for the decay $B^+ \rightarrow K_S^0 K_S^0 \pi^+$. <i>Physical Review D</i> , 2009 , 79,	4.9	12
160	Search for resonant WZ production in the $WZ \rightarrow \ell \ell \nu$ channel in ($\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85,	4.9	12
159	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
158	Search for the highly suppressed decays $B^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow K^0 \pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	12
157	Evidence for charged B meson decays to $a_1^{+/-}(1260)\pi^0$ and $a_1(0)(1260)\pi^{+/-}$. <i>Physical Review Letters</i> , 2007 , 99, 261801	7.4	12
156	Search for the Decay $B^{+/-} \rightarrow K^+ \tau^- / + \mu^- / +$. <i>Physical Review Letters</i> , 2007 , 99, 201801	7.4	12
155	Search for direct CP violation in $B \rightarrow K \pi$ decays. <i>Physical Review D</i> , 2001 , 64,	4.9	12
154	Measurement of the $B(0)-B(0)$ mixing parameter $\Delta m(d)$ using semileptonic B^0 decays. <i>Physical Review Letters</i> , 2002 , 89, 251803	7.4	12
153	Electroweak production of two jets in association with a Z boson in proton-proton collisions at ($\sqrt{s}=13$ TeV). <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	12
152	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
151	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
150	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
149	Search for new physics with dijet angular distributions in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
148	Measurement of the semileptonic branching fraction of the B_s meson. <i>Physical Review D</i> , 2012 , 85,	4.9	11
147	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
146	Measurement of W and Z production in proton-proton collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11

145	Search for $b \rightarrow u$ transitions in $B^- \rightarrow [K^* \pi] D K^-$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	11
144	Branching fraction measurements of the color-suppressed decays B^0 to $D^{(*)} 0 \pi$, $D^{(*)} 0 \pi D^{(*)} 0 \pi$ and $D^{(*)} 0 \pi$ and measurement of the polarization in the decay $B^0 \rightarrow D^* 0 \pi$ <i>Physical Review D</i> , 2011 , 84,	4.9	11
143	Search for production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s}=7$ TeV collected by the ATLAS detector. <i>Physical Review Letters</i> , 2012 , 108, 211802	7.4	11
142	Measurement of the branching fraction and π polarization in $B^0 \rightarrow \pi \pi$ <i>Physical Review D</i> , 2009 , 79,	4.9	11
141	Measurements of the branching fractions of $B^0 \rightarrow K^* 0 K + K \pi$, $B^0 \rightarrow K^* 0 \pi K$, $B^0 \rightarrow K^* 0 K + \pi$ and $B^0 \rightarrow K^* 0 \pi \pi$ <i>Physical Review D</i> , 2007 , 76,	4.9	11
140	Evidence for $B(0) \rightarrow \rho(0) \rho(0)$ decays and implications for the Cabibbo-Kobayashi-Maskawa angle α . <i>Physical Review Letters</i> , 2007 , 98, 111801	7.4	11
139	Improved measurement of the partial-rate CP asymmetry in $B^+ \rightarrow K^0 \pi$ and $B^0 \rightarrow K^0 \pi$ decays. <i>Physical Review D</i> , 2003 , 68,	4.9	11
138	Observation of $\chi(c2)$ production in B meson decay. <i>Physical Review Letters</i> , 2002 , 89, 011803	7.4	11
137	Measurements of differential Z boson production cross sections in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
136	Search for Z resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
135	Measurements of the pp \rightarrow WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
134	A multi-dimensional search for new heavy resonances decaying to boosted γ , γ , or boson pairs in the dijet final state at 13'. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
133	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
132	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
131	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
130	Measurement of the mass and width of the $D_{s1}(2536)^+$ meson. <i>Physical Review D</i> , 2011 , 83,	4.9	10
129	Improved limits on lepton-flavor-violating tau decays to $l \pi$, $l \rho$, $l K$, and $l \bar{K}$. <i>Physical Review Letters</i> , 2009 , 103, 021801	7.4	10
128	Constraints on the CKM angle γ in $B^0 \rightarrow D^0 K^* 0$ and $B^0 \rightarrow D^0 K^* 0$ from a Dalitz analysis of D^0 and D^0 decays to $K S^0$ <i>Physical Review D</i> , 2009 , 79,	4.9	10

127	Measurement of the branching fractions of the rare decays $B^0 \rightarrow D_s^{(*)} + \bar{D} B^0 \rightarrow D_s^{(*)} + \bar{D}$ and $B^0 \rightarrow D_s^{(*)} K^{(*)} + \bar{D}$. <i>Physical Review D</i> , 2008 , 78,	4.9	10
126	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ near $\sqrt{s}=10.58$ GeV. <i>Physical Review D</i> , 2008 , 78,	4.9	10
125	Observation of $B^+ \rightarrow b_1 + K^0$ and search for B-meson decays to $b_1 K^0$ and $b_1 \bar{D}$. <i>Physical Review D</i> , 2008 , 78,	4.9	10
124	Search for neutral B-meson decays to $a_0 \pi a_0 K$, \bar{D} , and \bar{D}^0 . <i>Physical Review D</i> , 2007 , 75,	4.9	10
123	Branching fraction measurements of charged B decays to $K^* + K + K \bar{K}^* + \bar{K} \bar{K}^* + K + \bar{D}$ and $K^* + \bar{D}$ final states. <i>Physical Review D</i> , 2006 , 74,	4.9	10
122	Observation of radiative $B^+ \rightarrow \phi K \gamma$ decays. <i>Physical Review Letters</i> , 2004 , 92, 051801	7.4	10
121	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
120	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
119	Search for associated production of dark matter with a Higgs boson decaying to ($\mathbf{b} \overline{\mathbf{b}}$) or $\mathbf{t} \bar{\mathbf{t}}$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
118	B-meson decays to $\pi^+ \pi^0$, and $\pi^+ K^*$. <i>Physical Review D</i> , 2010 , 82,	4.9	9
117	Measurement of the $B^+ \rightarrow \bar{D}^0 \pi^+$ and $B^+ \rightarrow \bar{D}^0 \pi^0$ branching fractions. <i>Physical Review D</i> , 2009 , 79,	4.9	9
116	Measurements of branching fractions for $B^+ \rightarrow \bar{D}^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2008 , 78,	4.9	9
115	Observation of $B^+ \rightarrow \bar{D}^0 \pi^+$ and search for B^0 decays to $\pi^+ \pi^0$, $\pi^0 \pi^0$, and π^0 . <i>Physical Review D</i> , 2008 , 78,	4.9	9
114	Search for the decay $B^+ \rightarrow K^{*0}(892) K^+$. <i>Physical Review D</i> , 2007 , 76,	4.9	9
113	Measurement of the relative branching fractions of $B^0 \rightarrow D/D^*/D^{**} \pi$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , 2007 , 76,	4.9	9
112	Branching fraction measurement of $B^0 \rightarrow D^{(*)} \pi^0$ and $B^0 \rightarrow D^{(*)} \pi^+$ and isospin analysis of $B^0 \rightarrow D^{(*)} \pi^0$ decays. <i>Physical Review D</i> , 2007 , 75,	4.9	9
111	Observation of $B^+ \rightarrow \omega K^+$ decay. <i>Physical Review Letters</i> , 2002 , 89, 191801	7.4	9
110	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9

109	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 697	4.2	9
108	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
107	Measurement of the integrated luminosity of the Phase 2 data of the Belle II experiment. <i>Chinese Physics C</i> , 2020 , 44, 021001	2.2	8
106	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
105	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 746	4.2	8
104	Search for resonances decaying to $\pi\pi\pi$ in two-photon interactions. <i>Physical Review D</i> , 2012 , 86,	4.9	8
103	Measurement of CP violation observables and parameters for the decays $B^{\pm} \rightarrow DK^{*\mp}$. <i>Physical Review D</i> , 2009 , 80,	4.9	8
102	Searches for B meson decays to $\pi\pi\pi$, $\pi\pi\rho$, $\pi\pi f_0(980)$, and $f_0(980)f_0(980)$ final states. <i>Physical Review Letters</i> , 2008 , 101, 201801	7.4	8
101	Measurement of the absolute branching fractions $B \rightarrow D^0 D^{*0} D^{*0}$ with a missing mass method. <i>Physical Review D</i> , 2006 , 74,	4.9	8
100	Measurement of the Time-Dependent CP Asymmetry in $B_c^0 \rightarrow D_{CP}^{(*)} h_c^0$ Decays. <i>Physical Review Letters</i> , 2007 , 99, 081801	7.4	8
99	Measurement of the ratio $B(B^+ \rightarrow X e^+) / B(B^0 \rightarrow X e^+)$. <i>Physical Review D</i> , 2006 , 74,	4.9	8
98	Observation of the exclusive reaction $e^+e^- \rightarrow \pi^+\pi^-$ at $s=10.58$ GeV. <i>Physical Review D</i> , 2006 , 74,	4.9	8
97	Studies of the decay $B^{\pm} \rightarrow D(CP)K^{\pm}$. <i>Physical Review Letters</i> , 2003 , 90, 131803	7.4	8
96	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
95	Search for electroweak production of charginos in final states with two leptons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
94	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4.2	7
93	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $(\sqrt{s}=13, \text{TeV})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
92	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7

91	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
90	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
89	Prioritizing test scenarios from UML communication and activity diagrams. <i>Innovations in Systems and Software Engineering</i> , 2014 , 10, 165-180	1.1	7
88	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow D^* K^+$ and $B \rightarrow D^* K^0$ decays. <i>Physical Review D</i> , 2011 , 83,	4.9	7
87	Observation of the decay $B \rightarrow D(s)^+ K^-$. <i>Physical Review Letters</i> , 2011 , 107, 041804	7.4	7
86	Measurement of ratios of branching fractions and CP-violating asymmetries of $B^{\pm} \rightarrow D^* K^{\pm}$ decays. <i>Physical Review D</i> , 2008 , 78,	4.9	7
85	Improved measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^+ D^{*-}$. <i>Physical Review D</i> , 2007 , 76,	4.9	7
84	Measurement of B decays to $D^* K$. <i>Physical Review D</i> , 2007 , 75,	4.9	7
83	Observation of $B \rightarrow \eta' K^*$ and evidence for $B \rightarrow \eta' \rho^+$. <i>Physical Review Letters</i> , 2007 , 98, 051802	7.4	7
82	Precise branching ratio measurements of the decays $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^- \pi^0$ relative to the $D^0 \rightarrow K^+ K^-$ decay. <i>Physical Review D</i> , 2006 , 74,	4.9	7
81	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4.2	7
80	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
79	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell q$ final states at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
78	Search for dark matter produced in association with a Higgs boson decaying to $\ell\bar{\ell} \ell\bar{\ell}$ at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
77	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
76	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4.2	7
75	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
74	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4.2	6

73	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
72	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at ($\sqrt{s} = 13$,text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
71	B^0 meson decays to $D^0 K^{*0}$, $F^0 K^{*0}$, and K^{*+} , including higher K^* resonances. <i>Physical Review D</i> , 2012 , 85,	4.9	6
70	Observation of the rare decay $B^0 \rightarrow K_S^0 K^{*-}$. <i>Physical Review D</i> , 2010 , 82,	4.9	6
69	Observation of the decay $B^0 \rightarrow \bar{D}^+ p \bar{D}^-$. <i>Physical Review D</i> , 2010 , 82,	4.9	6
68	Search for contact interactions in dimuon events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 84,	4.9	6
67	Search for B-meson decays to b_1^- and $b_1 K^*$. <i>Physical Review D</i> , 2009 , 80,	4.9	6
66	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , 2008 , 101, 091801	7.4	6
65	Measurement of the CP asymmetry and branching fraction of $B^0 \rightarrow \rho^0 K^0$. <i>Physical Review Letters</i> , 2007 , 98, 051803	7.4	6
64	Measurement of the differential Drell-Yan cross section in proton-proton collisions at ($\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6
63	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
62	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
61	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
60	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\nu \bar{\nu} q \bar{q}$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
59	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
58	Evidence for $B^+ \rightarrow K^{*0} K^{*+}$. <i>Physical Review D</i> , 2009 , 79,	4.9	5
57	Measurements of branching fractions and CP asymmetries and studies of angular distributions for $B \rightarrow \eta' K$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	5
56	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2021 , 81, 200	4.2	5

55	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4.2	5
54	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4.2	5
53	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{\text{b}})q(\overline{\text{q}})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
52	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , 2021 , 81, 3	4.2	5
51	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
50	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , 2018 , 78, 708	4.2	5
49	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
48	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4.2	4
47	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4.2	4
46	Evidence for $(\text{W})\text{W}$ production from double-parton interactions in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
45	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4.2	4
44	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
43	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
42	Search for B^+ meson decay to $a_1(1260)K^*(892)$. <i>Physical Review D</i> , 2010 , 82,	4.9	4
41	Observation and polarization measurement of $B^0 \rightarrow a_1(1260) + a_1(1260) \pi$ decay. <i>Physical Review D</i> , 2009 , 80,	4.9	4
40	Search for $B^0 \rightarrow K^* + K^* \pi$. <i>Physical Review D</i> , 2008 , 78,	4.9	4
39	Observation of $B(+) \rightarrow \phi \pi \pi K(+)$ and evidence for $B(0) \rightarrow \phi \pi \pi K(0)$ below $\eta(c)$ threshold. <i>Physical Review Letters</i> , 2006 , 97, 261803	7.4	4
38	Search for $b \rightarrow u$ transitions in $B \rightarrow [K + \pi] D K$. <i>Physical Review D</i> , 2007 , 76,	4.9	4

37	Evidence for the Rare Decay $B \rightarrow D_s \tau \nu$. <i>Physical Review Letters</i> , 2007 , 98,	7.4	4
36	Measurement of differential cross sections and charge ratios for s -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
35	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at ($\sqrt{s}=13$ TeV). <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
34	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629	4.2	4
33	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3
32	Measurement of the inclusive ($\overline{\text{t}}\text{t}$) cross section in pp collisions at ($\sqrt{s}=5.02$) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
31	Search for top quark partners with charge $5/3$ in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
30	Search for B^0 meson decays to $\bar{D}^0 K^0 K^0_S$, $\bar{D}^0 K^0 K^0_S$, and $\bar{D}^0 K^0 K^0_S$. <i>Physical Review D</i> , 2009 , 80,	4.9	3
29	Measurements of the ($p\bar{p} \rightarrow Z\gamma$) production cross section and the ($Z \rightarrow 4\ell$) branching fraction, and constraints on anomalous triple gauge couplings at ($\sqrt{s}=13$ TeV) 2018 , 78, 1		3
28	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 970	4.2	3
27	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at ($\sqrt{s}=13$ TeV). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
26	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723	4.2	3
25	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
24	Inclusive search for supersymmetry in pp collisions at ($\sqrt{s}=13$) TeV using razor variables and boosted object identification in zero and one lepton final states. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
23	Search for new phenomena with multiple charged leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
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21	Observation of the baryonic B decay $B \rightarrow \bar{D}^0 K^0$ <i>Physical Review D</i> , 2011 , 84,	4.9	2
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19	Search for prompt production of B and $X(3872)$ in e^+e^- annihilations. <i>Physical Review D</i> , 2007 , 76,	4.9	2
18	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 752	4.2	2
17	Search for supersymmetry in events with a photon, jets, γ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
16	Search for $B \rightarrow B^* X$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , 2012 , 85,	4.9	1
15	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. <i>Physical Review D</i> , 2012 , 86,	4.9	1
14	Study of the $(B^+ \rightarrow J/\psi \overline{\Lambda} p)$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
13	Development and validation of HERWIG ⁷ tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
12	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4.2	1
11	Group security using ECC. <i>International Journal of Information Technology (Singapore)</i> , 2021 , 1-9	1.4	1
10	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773	4.2	0
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6	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , 2021 , 81, 852	4.2	0
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