

# Prafulla Kumar Behera

## List of Publications by Year in descending order

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523  
papers

26,658  
citations

5876

81  
h-index

12558

132  
g-index

525  
all docs

525  
docs citations

525  
times ranked

10764  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
2	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	581
3	ATLAS pixel detector electronics and sensors. Journal of Instrumentation, 2008, 3, P07007-P07007.	0.5	494
4	Observation of Large CP Violation in the Neutral B Meson System. Physical Review Letters, 2001, 87, 091802.	2.9	471
5	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, 014907.	1.1	365
6	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
7	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
8	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
9	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
10	Observation of Doublecharm Production in $e^+e^-$ Annihilation at $\sqrt{s} = 10.6$ GeV. Physical Review Letters, 2002, 89, 142001.	2.9	268
11	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
12	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
13	Evidence of a Broad Structure at an Invariant Mass of $4.32$ GeV/c <sup>2</sup> in the Reaction $e^+e^- \rightarrow \tau^+\tau^- \bar{\tau} \tau$ (2S) Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	2.9	247
14			

#	ARTICLE	IF	CITATIONS
19	Evidence for $D^0$ - $\bar{D}^0$ Mixing. Physical Review Letters, 2007, 98, 211802.	2.9	205
20	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
21	Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
22	Improved measurement of mixing-induced CP violation in the neutral B meson system. Physical Review D, 2002, 66, .	1.6	177
23	Evidence for the decay $B \rightarrow X \gamma$ . Physical Review Letters, 2009, 103, 081803.	2.9	173
24	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with Collision Data at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 111803.	2.9	171
25	Precise measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146
26	Precise measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146
27	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\tilde{\chi}^0 \rightarrow \gamma \mu^+ \mu^-$ . Physical Review Letters, 2009, 103, 081803.	2.9	153
28	Evidence for the decay $B \rightarrow X \gamma$ . Physical Review Letters, 2009, 103, 081803.	2.9	153
29	Precise measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146



#	ARTICLE	IF	CITATIONS
55	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $pp$ Collision Data at $\sqrt{s} = 7, 8, \text{ and } 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	2.9	105
56	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
57	Observation of an Excited Charm Baryon $\Lambda_c^*$ Decaying to $\Lambda_c^0 \pi^+$ . Physical Review Letters, 2006, 97, 232001.	2.9	102
58	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	1.4	101
59	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
60	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	100
61	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 710.	1.4	98
62	Measurement of $B^0 \rightarrow B^+ \pi^-$ Mixing Rate from the Time Evolution of Dilepton Events at the $\psi(4S)$ . Physical Review Letters, 2001, 86, 3228-3232.	2.9	96
63	Study of $D_s$ decays to $D^* K$ in inclusive $e^+e^-$ interactions. Physical Review D, 2009, 80, .	1.6	96
64	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	1.4	95
65	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
66	Measurement of time-dependent $C$ asymmetry in $pp$ collisions at $\sqrt{s} = 7, 8, \text{ and } 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.		



#	ARTICLE	IF	CITATIONS
91	Study of the reaction $\bar{c} \rightarrow \bar{b} \ell^+ \bar{\nu}_\ell$ violation in Dalitz-plot analyses of $B \rightarrow K \ell^+ \ell^-$ decays. Physical Review Letters, 2001, 87, 101801.	1.6	77
92	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.6	76
93	Angular distributions in the decay $B \rightarrow K \ell^+ \ell^-$ . Physical Review D, 2009, 79, .	2.9	74
94	Study of three-body charmless B decays. Physical Review D, 2002, 65, .	1.6	73
95	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
96	Angular distributions in the decay $B \rightarrow K \ell^+ \ell^-$ . Physical Review D, 2009, 79, .	1.6	72
97	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.6	72
98	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	2.9	71
99	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	2.9	70
100	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.6	70
101	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.6	70
102	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	70
103	Evidence for direct $C \rightarrow P$ violation from Dalitz-plot analysis of $B \rightarrow K \ell^+ \ell^-$ decays. Physical Review D, 2008, 78, .	1.6	69
104	Measurement of the $\overline{t} t \ell^+ \ell^-$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.4	68
105	Measurement of the $B \rightarrow V \ell^+ \ell^-$ and the Form-Factor Slope in $B \rightarrow K \ell^+ \ell^-$ decays. Physical Review D, 2008, 78, .	2.9	67
106	Search for CP Violation in the Decays $D \rightarrow K^+ K^-$ and $D \rightarrow \ell^+ \ell^-$ . Physical Review Letters, 2008, 100, 061803.	2.9	65
107	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65

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109	Production of Prompt Charmonia in $e^+e^-$ Annihilation at $\sqrt{s} = 10.6$ GeV. Physical Review Letters, 2002, 88, 052001.	2.9	64
110	Exclusive Branching-Fraction Measurements of Semileptonic $B_c^{\pm}$ Decays into Three Charged Hadrons, $B_c^{\pm} \rightarrow \ell^{\pm} \bar{\nu}_{\ell} \pi^{\pm}$ , and $B_c^{\pm} \rightarrow \ell^{\pm} \bar{\nu}_{\ell} \rho^{\pm}$ . Physical Review Letters, 2008, 100, 011801.	2.9	64
111	Measurement of the $W \rightarrow \ell \bar{\nu}_{\ell}$ and $Z \rightarrow \ell^+ \ell^-$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
112	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
113	Measurement of Z Boson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	2.9	63
114	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
115	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
116	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
117	Observation of $B \rightarrow \rho^+ \pi^-$ . Physical Review Letters, 2003, 90, 201802.	2.9	61
118	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
119	Measurement of Dijet Azimuthal Decorrelations in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 172002.	2.9	61
120	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	61
121	Cross sections for the reactions $pp \rightarrow e^+e^-$ and $pp \rightarrow \mu^+\mu^-$ at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 172002.	1.6	61
122	Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $ZZZ$ and $ZZ\tilde{\chi}^0$ couplings with the ATLAS detector. Physical Review Letters, 2012, 108, 251801.	2.9	61
123	Measurement of $ZZ$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $ZZZ$ and $ZZ\tilde{\chi}^0$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
124	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	1.4	60
125	Observation of $WZ$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 172002.	1.6	60
126	Violation in $CP$ in $B \rightarrow \rho^+ \pi^-$ . Physical Review Letters, 2007, 99, 021603.	2.9	59

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127	Dalitz plot analysis of $B \rightarrow K^* K^0$ decays. Physical Review D, 2009, 79, .	1.6	59
128	Measurement of $W \rightarrow Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
129	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	59
130	Observation of $B \rightarrow K^* K^0$ decays. Physical Review Letters, 2006, 97, 171805.	2.9	58
131	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
132	Measurement of the Electroweak Penguin Process $B \rightarrow X_s \gamma$ . Physical Review Letters, 2003, 90, 021801.	2.9	57
133	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $pp$ collisions using $\sqrt{s} = 7$ TeV of ATLAS data. Physical Review D, 2012, 85, .	1.6	57
134	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
135	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
136	Evidence for Direct CP Violation in the Measurement of the Cabibbo-Kobayashi-Maskawa Angle $\arg(D^*(*)K^*)$ Decays. Physical Review Letters, 2010, 105, 121801.	2.9	56
137	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. European Physical Journal C, 2011, 71, 1.	1.4	56
138	Study of B meson decays to three-body charmless hadronic final states. Physical Review D, 2004, 69, .	1.6	55
139	Measurement of the $B \rightarrow V^* l^+ l^-$ Form-Factor Shape and Branching Fraction, and Determination of $ V_{ub} $ with a Loose Neutrino Reconstruction Technique. Physical Review Letters, 2007, 98, 091801.	2.9	55
140	Study of jet shapes in inclusive jet production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	55
141	Search for Hadronic Decays of a Light Higgs Boson in the Radiative Decay $\gamma \rightarrow \gamma \gamma$ . Physical Review Letters, 2011, 107, 221803.	2.9	55
142	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
143	Search for a Low-Mass Higgs Boson in $B \rightarrow \gamma \gamma$ decays at BABAR. Physical Review Letters, 2009, 103, 181801.	2.9	54
144	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54

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145	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
146	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
147	Measurement of prompt and nonprompt $\psi/\psi'$ production in $pp$ and $pPb$ collisions at $\sqrt{s_{\text{NN}}}=5.02$ , ext [TeV] $s$ . European Physical Journal C, 2017, 77, 269.	1.4	53
148	Measurements of the semileptonic decays $B \rightarrow \ell \nu \ell'$ and constraints on the CKM angle $\beta$ . Physical Review D, 2007, 76, .	1.6	52
149	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
150	Measurements of the $pp \rightarrow Z Z$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	1.4	52
151	Study of $B \rightarrow 0 \ell \ell'$ and constraints on the CKM angle $\beta$ . Physical Review D, 2007, 76, .	1.6	51
152	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
153	Measurement of the top quark mass with the template method in the $l\bar{l} + jets$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
154	Determination of the form factors for the decay $B \rightarrow 0 \ell \ell'$ of the CKM matrix element $ V_{cb} $ . Physical Review D, 2008, 77, .	1.6	50
155	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$ , ext [TeV] $s$ . European Physical Journal C, 2019, 79, 564.	1.4	50
156	Study of $B \rightarrow 0 \ell \ell'$ Physical Review D, 2007, 76, .	1.6	49
157	Dalitz plot analysis of $B \rightarrow D \ell \ell'$ . Physical Review D, 2009, 79, .	1.6	49
158	Search for Production of Invisible Final States in Single-Photon Decays of $B \rightarrow \gamma + \text{invisible}$ Physical Review Letters, 2007, 99, 221801.	2.9	49
159	Observation of mixing-induced CP violation in the neutral B meson system. Physical Review D, 2002, 66, .	1.6	48
160	Search for Invisible Decays of the $B \rightarrow \gamma + \text{invisible}$ Physical Review Letters, 2007, 99, 221801.	2.9	48
161	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.4	48
162	Observation of the Decay $B \rightarrow \ell \ell'$ Physical Review Letters, 2007, 99, 221801.	2.9	47

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163	Measurements of Charged Current Lepton Universality and $V_{cb}$ from $B \rightarrow D^* \ell \bar{\nu}_\ell$ Decays. Physical Review D, 2010, 81, 072002. $\frac{\Gamma(B \rightarrow D^* \tau \bar{\nu}_\tau)}{\Gamma(B \rightarrow D^* \ell \bar{\nu}_\ell)}$	2.9	47
164	Limits on $B \rightarrow D^* \ell \bar{\nu}_\ell$ lepton-flavor violating decays into three charged leptons. Physical Review D, 2010, 81, 072002. $\frac{\Gamma(B \rightarrow D^* \tau \bar{\nu}_\tau)}{\Gamma(B \rightarrow D^* \ell \bar{\nu}_\ell)}$	1.6	47
165	Measurement of $B \rightarrow D^* \ell \bar{\nu}_\ell$ boson in $B \rightarrow D^* \ell \bar{\nu}_\ell$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	1.6	47
166	Measurements of Branching Fractions, Polarizations, and Direct CP-Violation Asymmetries in $B \rightarrow D^* \ell \bar{\nu}_\ell$ Decays. Physical Review Letters, 2006, 97, 201801.	2.9	46
167	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
168	Search for New Phenomena in $B \rightarrow D^* \ell \bar{\nu}_\ell$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	2.9	46
169	Search for third-generation scalar leptoquarks decaying to a top quark and a $B \rightarrow D^* \ell \bar{\nu}_\ell$ , lepton at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	1.4	46
170	Observation of the Color-Suppressed Decay $B \rightarrow D^* \ell \bar{\nu}_\ell$ . Physical Review Letters, 2002, 88, 052002.	2.9	45
171	Time-dependent and time-integrated angular analysis of $B \rightarrow D^* \ell \bar{\nu}_\ell$ . Physical Review D, 2011, 83, 072002.	1.6	45
172	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.6	45
173	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, 13$ TeV with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
174	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. European Physical Journal C, 2013, 73, 1.	1.4	45
175	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
176	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
177	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. European Physical Journal C, 2018, 78, 140.	1.4	44
178	Improved Limits on the Lepton-Flavor Violating Decays $B \rightarrow D^* \ell \bar{\nu}_\ell$ . Physical Review Letters, 2007, 99, 251803.	2.9	43
179	Dalitz plot analysis of $B \rightarrow D^* \ell \bar{\nu}_\ell$ . Physical Review D, 2011, 83, 072002.	1.6	43
180	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43

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181	Time-dependent amplitude analysis of $B \rightarrow D^* K^0$ . Physical Review D, 2009, 80, .	1.6	42
182	Searches for rare or forbidden semileptonic charm decays. Physical Review D, 2011, 84, .	1.6	42
183	Further search for supersymmetry at $\sqrt{s} = 7$ TeV in $B \rightarrow D^* K^0$ decays with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	42
184	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
185	Observation of $B \rightarrow D^* K^0$ . Physical Review Letters, 2002, 88, 031802.	2.9	41
186	Evidence for CP-violating asymmetries in $B \rightarrow D^* K^0$ decays and constraints on the CKM angle $\beta$ . Physical Review D, 2003, 68, .	1.6	41
187	Vector-Tensor and Vector-Vector Decay Amplitude Analysis of $B \rightarrow D^* K^0$ . Physical Review Letters, 2007, 98, 051801.	2.9	41
188	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. European Physical Journal C, 2011, 71, 1.	1.4	41
189	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	1.6	41
190	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	1.2	41
191	Measurement of charmless two-body $B \rightarrow D^* K^0$ asymmetries and branching fractions in charmless two-body $B \rightarrow D^* K^0$ meson decays to pions and kaons. Physical Review D, 2013, 87, .	1.6	41
192	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
193	Observation of $D_s \rightarrow K^* \ell^+ \ell^-$ and Evidence for $D_s \rightarrow K^* \ell^+ \ell^-$ Final States in Neutral B Decays. Physical Review Letters, 2002, 89, 231804.	2.9	40
194	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40
195	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying $W$ Bosons. Physical Review Letters, 2012, 109, 032001.	2.9	40
196	Measurement of the $t \bar{t} \rightarrow e^+ e^- \mu^+ \mu^-$ production cross section using events in the $e^+ e^- \mu^+ \mu^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
197	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	1.4	40
198	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40

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199	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext}\{TeV\}$ TeV. European Physical Journal C, 2021, 81, 378.	1.4	40
200	Measurements of $C$ -Violating Asymmetries in the Decay $B \rightarrow D^* \mu^+ \mu^-$ . Physical Review Letters, 2007, 99, 161802.	2.9	39
201	Measurement of CP Violation Parameters with a Dalitz Plot Analysis of $B \rightarrow D^* \mu^+ \mu^-$ . Physical Review Letters, 2007, 99, 251801.	2.9	39
202	Measurement of $D^* \rightarrow D \mu^+ \mu^-$ Mixing from a Time-Dependent Amplitude Analysis of $D^* \rightarrow D \mu^+ \mu^-$ . Physical Review Letters, 2007, 99, 251801.	2.9	39
203	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7\text{--}m\text{box}\{TeV\}$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
204	Measurement of differential cross sections for $Z$ boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$ TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
205	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$ TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
206	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13, \text{ext}\{TeV\}$ TeV. European Physical Journal C, 2017, 77, 636.	1.4	38
207	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $l$ , leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
208	Measurement of the $B \rightarrow D^* \mu^+ \mu^-$ Branching Fraction and Determination of $ V_{ub} $ with Tagged $B$ Mesons. Physical Review Letters, 2006, 97, 211801.	2.9	37
209	Measurement of $D^0 \rightarrow D^* \mu^+ \mu^-$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^* \mu^+ \mu^-$ , $D^0 \rightarrow K^* \mu^+ \mu^-$ , and $D^0 \rightarrow K^* \mu^+ \mu^-$ . Physical Review D, 2008, 78, .	1.6	37
210	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7\text{--}m\text{box}\{TeV\}$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
211	Measurement of the transverse momentum distribution of $W$ bosons in $pp$ collisions at $\sqrt{s} = 7\text{--}m\text{box}\{TeV\}$ TeV. European Physical Journal C, 2017, 77, 236.	1.6	37
212	Search for second generation scalar leptoquarks in $pp$ collisions at $\sqrt{s} = 7\text{--}m\text{box}\{TeV\}$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	37
213	Measurement of the $WZ$ production cross section in $pp$ collisions at $\sqrt{s} = 7$ and $8$ TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8, \text{ext}\{TeV\}$ TeV. European Physical Journal C, 2017, 77, 236.	1.4	37
214	Measurement of the Branching Fractions of $B \rightarrow D^* \mu^+ \mu^-$ in Events Tagged by a Fully Reconstructed $B \rightarrow D^* \mu^+ \mu^-$ . Physical Review Letters, 2008, 101, 261802.	2.9	36
215	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	36
216	Search for same-sign top-quark production and fourth-generation down-type quarks in $pp$ collisions at $\sqrt{s} = 7, \text{ext}\{TeV\}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36

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218	Search for the Higgs Boson in the $WW^* \rightarrow l^+ l^- \gamma$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35
219	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	35
220	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
221	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. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
222	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	1.4	35
223	Measurement of branching fractions and charge asymmetries for two-body B meson decays with charmonium. Physical Review D, 2003, 67, .	1.6	34
224	Improved Measurement of CP Violation in Neutral B Decays to $cc\bar{s}$ . Physical Review Letters, 2007, 99, 171803.	2.9	34
225	Measurement of $D^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow B^+ B^-$ and $D^0 \rightarrow B^0 B^0$ . Physical Review D, 2012, 86, .	1.6	34
226	Search for the decay modes $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^- \gamma$ . Physical Review D, 2012, 86, .	1.6	34
227	Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
228	Measurement of the top quark mass with lepton+jets final states using $pp \rightarrow t\bar{t} + \text{jets}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34
229	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	1.4	34
230	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
231	Measurement of the production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	2.9	33
232	Search for anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 108, 041804.	2.9	33
233	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	2.9	33
234	Search for CP violation in the decay $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 2012, 86, .	1.6	33

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236	Measurement of exclusive $\rho^0$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2019, 79, 702.	1.4	33
237	Search for dark matter produced in association with a leptonically decaying $Z$ boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
238	Search for top squark pair production using dilepton final states in $pp$ collision data collected at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
239	Measurement of normalised multi-differential cross sections in $pp$ collisions at $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
240	Measurements of CP-Violating Asymmetries in $B^0 \rightarrow \pi^+ \pi^- (1260) \rho^0$ Decays. Physical Review Letters, 2007, 98, 181803.	2.9	32
241	Measurement of $B^0 \rightarrow K^* (892) \rho^0$ Branching Fractions and CP and Isospin Asymmetries. Physical Review Letters, 2009, 103, 211802.	2.9	32
242	Measurement of $C$ and $P$ observables in $B^0 \rightarrow \rho^0 \rho^0$ and constraints on the CKM angle $\alpha_1$ . Physical Review D, 2010, 82, 012001.	1.6	32
243	Determination of $B^0 \rightarrow \rho^0 \rho^0$ and $B^0 \rightarrow \rho^0 \pi^0$ decays and determination of $\alpha_1$ . Physical Review D, 2010, 82, 012002.	1.6	32
244	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
245	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
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247	Measurement of the production cross section for $W$ Boson and a $Z$ Boson in association with jets in $pp$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 327.	2.9	31
248	Search for light scalar top quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	1.6	31
249	Search for top squark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	1.4	31
250	Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
251	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
252	A multi-dimensional search for new heavy resonances decaying to boosted $W$ boson pairs in the dijet final state at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 237.	1.4	31

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254	Measurement of $B^0 \rightarrow \rho^+ K^0$ and $B^+ \rightarrow \rho^+ K^0$ decays. Physical Review Letters, 2008, 101, 161801.	2.9	30
255	Search for $B^0 \rightarrow \rho^+ K^0$ and $B^+ \rightarrow \rho^+ K^0$ decays. Physical Review Letters, 2008, 101, 161801.	1.6	30
256	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. Physical Review D, 2012, 85, .	1.6	30
257	Observation of $B^0 \rightarrow \rho^+ K^0$ (1270). Physical Review Letters, 2001, 87, 161601.	2.9	29
258	Study of exclusive $B$ decays to charmed baryons. Physical Review D, 2002, 66, .	1.6	29
259	Measurement of Branching Fractions for $B^0 \rightarrow \rho^+ K^0$ Decays. Physical Review Letters, 2003, 90, 071801.	2.9	29
260	Observation of CP Violation in $B^0 \rightarrow \rho^+ K^0$ Decays. Physical Review Letters, 2007, 98, 031801.	2.9	29
261	Search for $D^0 \rightarrow D^0$ mixing using doubly flavor tagged semileptonic decay modes. Physical Review D, 2007, 76, .	1.6	29
262	Measurement of Semileptonic $B^0 \rightarrow \rho^+ K^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	29
263	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	29
264	Measurement of the $B^0 \rightarrow \rho^+ K^0$ and $B^+ \rightarrow \rho^+ K^0$ branching fractions, the $B^0 \rightarrow \rho^+ K^0$ form-factor shape determination of $ V_{ub} $ . Physical Review D, 2011, 83, .	1.6	29
265	Search for a Standard Model Higgs Boson in the $H^0 \rightarrow ZZ^* \rightarrow 4\ell$ Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.	2.9	29
266	Forward-backward correlations and charged-particle azimuthal distributions in $pp$ interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
267	A search for new phenomena in $pp$ collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\alpha_T$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29
268	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
269	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	1.4	29
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272	Measurement of the Branching Fractions of Exclusive $B \rightarrow \hat{A}^+ D$ decays. Physical Review D, 2010, 82, .	1.6	28
273	Exclusive production of $D^+ \bar{K}^0$ mesons in $B \rightarrow D^+ K^0$ decays. Physical Review D, 2010, 82, .	1.6	28
274	Evidence for the $b(1P)$ meson in the decay $\Upsilon(3S) \rightarrow \Upsilon(0) b(1P)$ . Physical Review D, 2011, 84, .	1.6	28
275	Measurements of $\sqrt{s}$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
276	Search for $\overline{b} \rightarrow b$ production in the $H \rightarrow \overline{b} b$ decay channel with leptonic $\overline{b} b$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
277	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
278	Observation of Cabibbo Suppressed $B \rightarrow D^* K^0$ Decays at Belle. Physical Review Letters, 2001, 87, 111801.	2.9	27
279	Search for charmless two-body baryonic decays of B mesons. Physical Review D, 2002, 65, .	1.6	27
280	Measurement of time-dependent $C \rightarrow P$ asymmetry in $B \rightarrow \hat{A}^+ D$ decays. Physical Review D, 2008, 78, .	1.6	27
281	Determination of the Quark-Mixing Phase Angle $\hat{\gamma}$ . Physical Review Letters, 2008, 101, 131801.	2.9	27
282	Test of Lepton Universality in $B \rightarrow \hat{A}^+ D$ decays. Physical Review D, 2010, 82, .	1.6	27
283	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow \hat{A}^+ D$ . Physical Review D, 2010, 82, .	1.6	27
284	Search for lepton-number violating processes in $B \rightarrow \hat{A}^+ l^+ l^-$ decays. Physical Review D, 2012, 85, .	1.6	27
285	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
286	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	1.4	27
287	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
288	Measurement of the $Z \rightarrow \hat{A}^+ \hat{A}^-$ cross section with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	27

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289	Search for Pair Production of a New $b\bar{b}$ Quark that Decays into a $Z$ Boson and a Bottom Quark with the ATLAS Detector. <i>Physical Review Letters</i> , 2012, 109, 071801.	2.9	26
290	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, .	1.6	26
291	Search for $CP$ violation in neutral meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , 2008, 78, .	1.6	25
292	Observation of $B^0 \rightarrow K^* K^0$ and Search for $B^0 \rightarrow K^* K^0$ . <i>Physical Review Letters</i> , 2008, 100, 081801.	2.9	25
293	Measurements of $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ Branching Fractions and Determination of $ V_{ub} $ with Semileptonically Tagged $B$ Mesons. <i>Physical Review Letters</i> , 2008, 101, 081801.	2.9	25
294	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow D K^*$ and $D^* K^*$ decays. <i>Physical Review D</i> , 2010, 82, .	1.6	25
295	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.	1.6	25
296	Study of $B \rightarrow c \bar{c} K$ meson decays to $\mu^+ \mu^- K$ . <i>Physical Review Letters</i> , 2008, 100, 231803.	2.9	24
297	Measurement of the Decay $B \rightarrow \mu^+ \mu^- K$ . <i>Physical Review Letters</i> , 2008, 100, 231803.	2.9	24
298	Measurement of the $B \rightarrow W^+ W^- K$ Section in $B \rightarrow W^+ W^- K$ . <i>Physical Review Letters</i> , 2008, 100, 231803.	2.9	24
299	Measurement of the $B \rightarrow W^+ W^- K$ Section in $B \rightarrow W^+ W^- K$ . <i>Physical Review Letters</i> , 2008, 100, 231803.	1.6	24
300	Measurements of $\sigma(\text{pp} \rightarrow \text{pp} \gamma \gamma)$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 200.	1.4	24
301	Charmless hadronic two-body $B$ meson decays. <i>Physical Review D</i> , 2002, 66, .	1.6	23
302	Measurements of Branching Fraction, Polarization, and Charge Asymmetry of $B^0 \rightarrow \mu^+ \mu^-$ and a Search for $B^0 \rightarrow \mu^+ \mu^-$ (980). <i>Physical Review Letters</i> , 2006, 97, 261801.	2.9	23
303	Production and Decay of $B^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2007, 99, 062001.	2.9	23
304	Branching Fraction Measurements of $B^0 \rightarrow \mu^+ \mu^-$ , $B^0 \rightarrow \mu^+ \mu^-$ , and $B^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2007, 98, 1518022.9	2.9	23
305	Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays. <i>European Physical Journal C</i> , 2010, 70, 875-916.	1.4	23
306	Search for the Higgs Boson in the $H \rightarrow WW \rightarrow \mu\mu$ Decay Channel in $pp$ Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2011, 107, 231801.	2.9	23

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308	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	1.6	23
309	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msqrt} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ in the two-lepton channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
310	Measurement of the jet mass in highly boosted $\overline{\text{t}}\text{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
311	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
312	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
313	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
314	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow \tau^+ D^{*+} K^0$ . Physical Review D, 2006, 74, .	1.6	22
315	Measurement of Branching Fractions and Charge Asymmetries in $B$ Decays to $\pi^+$ -Meson and $K^*$ -Meson. Physical Review Letters, 2006, 97, 201802.	2.9	22
316	Measurement of CP-Violating Asymmetries in $B^0 \rightarrow \tau^+ D^{*+} K^0$ . Physical Review Letters, 2007, 99, 071801.	2.9	22
317	Evidence for CP Violation in $B^0 \rightarrow \tau^+ D^{*+} K^0$ Decays. Physical Review Letters, 2008, 101, 021801.	2.9	22
318	Study of $B \rightarrow \hat{A}^- \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{A}^- \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mo} \rangle \hat{A}^+ \langle \text{mml:mo} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decays in $\sqrt{s} = 13$ TeV. Physical Review D, 2012, 86, .	1.6	22
319	Search for $\overline{\text{t}}\text{t} \hat{A}^-$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
320	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
321	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
322	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tilde{l}$ , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
323	Search for direct pair production of supersymmetric partners to the $\tau_{\pm}$ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
324	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 370.	1.4	22

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326	Observation and study of the baryonic B-meson decays $B^0 \rightarrow D^{(*)} p \bar{p} \bar{K}^0$ . Physical Review D, 2012, 85, .	1.6	21
327	Measurement of $\tilde{A}_t$ , polarization in $W^+ \tilde{\nu}_\tau \tilde{\nu}_\tau$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2062.	1.4	21
328	Search for supersymmetry in events with a $\tilde{\nu}_\tau$ , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
329	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
330	Measurement of $\cos \theta_{12}$ in $B^0 \rightarrow D^{(*)} h^0$ Decays with a Time-Dependent Dalitz Plot Analysis of $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ . Physical Review Letters, 2007, 99, 231802.	2.9	20
331	Observation of Tree-Level $B \rightarrow s \gamma$ Decays with $\gamma$ Production from Gluon Radiation. Physical Review Letters, 2008, 100, 171802.	2.9	20
332	Search for $t \bar{t} \rightarrow H$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
333	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
334	Search for rare decays of $Z$ and Higgs bosons to $J/\psi \gamma$ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.	1.4	20
335	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
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337	Model-independent search for the decay $B \rightarrow \tau^+ \tau^- \nu_\tau$ . Physical Review D, 2009, 80, .	1.6	19
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348	Observation of B Meson Decays to $b \bar{c} \ell^+ \ell^- K$ . Physical Review Letters, 2007, 99, 241803.	2.9	18
349	Measurements of time-dependent CP asymmetries in $B^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review Letters, 2007, 99, 241803.	1.6	18
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456	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. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
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480	Observation of the rare decay $B \rightarrow KSOK$ . Physical Review D, 2010, 82, .	1.6	8
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