

# Timothy Gershon

## List of Publications by Year in descending order

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524  
papers

33,420  
citations

9254

74  
h-index

5384

164  
g-index

539  
all docs

539  
docs citations

539  
times ranked

13872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Particle Physics. Physical Review D, 2018, 98, .	1.6	5,390
2	Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	3,177
3	Observation of a Narrow Charmoniumlike State in Exclusive $B \rightarrow K^* J/\psi$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	1,526
4	Test of Lepton Universality Using $B \rightarrow K^* J/\psi$ Decays. Physical Review Letters, 2014, 113, 151601. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	2.9	845
5	Measurement of the Ratio of Branching Fractions $B \rightarrow K^* J/\psi$ Consistent with Pentaquark States in $B \rightarrow K^* J/\psi$ Resonances. Physical Review Letters, 2014, 113, 151601. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	2.9	816
6	Measurement of the Ratio of Branching Fractions $B \rightarrow K^* J/\psi$ Consistent with Pentaquark States in $B \rightarrow K^* J/\psi$ Resonances. Physical Review Letters, 2014, 113, 151601. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>		

#	ARTICLE	IF	CITATIONS
19	Study of $B^0 \rightarrow D^{*0} \rho^0$ ( $D^{*0} \rightarrow D^{*0} \rho^0$ ) decays. <i>Physical Review D</i> , 2004, 69, .	1.6	221
20	Observation of New States Decaying into $\rho^0 \pi^0$ and $\rho^0 \pi^+$ . <i>Physical Review Letters</i> , 2006, 97, 162001.	2.9	216
21	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \rho^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	206
22	Angular analysis and differential branching fraction of the decay $B \rightarrow D^* \rho^0$ . <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.8	191
23	Evidence for $C \rightarrow P$ Violation in Time-Integrated $D \rightarrow D^* \rho^0$ Rates. <i>Physical Review Letters</i> , 2012, 108, 111602.	2.9	181
24	Performance of the LHCb Vertex Locator. <i>Journal of Instrumentation</i> , 2014, 9, P09007-P09007.	0.5	175
25	Observation of a Near-Threshold Enhancement in $B^0 \rightarrow D^0 \rho^0$ Decay. <i>Physical Review Letters</i> , 2006, 97, 162002.	2.9	171
26	Strong Constraints on the Rare Decays $B \rightarrow s \rho^0$ . <i>Physical Review Letters</i> , 2012, 108, 231801.	2.9	160
27	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	153
28	Observation of $J/\psi \rho^0$ Structures Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi \rho^0$ . <i>Physical Review Letters</i> , 2015, 115, 161802.	2.9	150
29	Search for Hidden Sector Bosons in $B \rightarrow K^* \rho^0$ . <i>Physical Review Letters</i> , 2015, 115, 161802.	2.9	138
30	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	137
31	New search for $B \rightarrow K^* \rho^0$ and $B \rightarrow K^* \rho^+$ decays at Belle. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 666, 16-22.	1.6	132
32	Evidence for Direct CP Violation in $B^0 \rightarrow K^* \rho^0$ Decays. <i>Physical Review Letters</i> , 2004, 93, 191802.	2.9	129
33	Dalitz analysis of the three-body charmless decays $B \rightarrow K^* \rho^0 \pi^0$ and $B \rightarrow K^* \rho^0 \pi^+$ . <i>Physical Review D</i> , 2005, 71, 1.6	1.6	128
34	Measurements of the $D_s^*$ Resonance Properties. <i>Physical Review Letters</i> , 2004, 92, 012002.	2.9	127
35	Evidence for Large Direct CP Violation in $B \rightarrow K^* \rho^0$ from Analysis of Three-Body Charmless $B \rightarrow K^* \rho^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2006, 96, 251803.	2.9	120
36	Improved measurement of the electroweak penguin process $B \rightarrow X_s \gamma$ . <i>Physical Review D</i> , 2005, 72, .	1.6	118

#	ARTICLE	IF	CITATIONS
37	Observation of an Isotriplet of Excited Charmed Baryons Decaying to $\Lambda_c^+ \bar{c} \bar{c}$ . Physical Review Letters, 2005, 94, 122002.	2.9	117
38	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 2631.	1.4	117
39	Measurement of $\langle \cos^2 \theta \rangle$ and $\langle \cos \theta \rangle$ for $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ hadron production fractions in $7 \text{ TeV}$ collisions. Evidence for the decay $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Physical Review Letters, 2013, 110, 221601.	1.6	116
40	Measurement of $\langle \cos^2 \theta \rangle$ and $\langle \cos \theta \rangle$ for $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ hadron production fractions in $7 \text{ TeV}$ collisions. Evidence for the decay $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Physical Review Letters, 2013, 110, 221601.	0.9	114
41	Differential branching fraction and angular analysis of the decay $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
42	Evidence for Exotic Hadron Contributions to $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays. Physical Review Letters, 2016, 117, 082003.	2.9	110
43	Measurement of Branching Fractions and Polarization in $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays. Physical Review Letters, 2003, 91, 201801.	2.9	109
44	Measurement of the $\langle \cos^2 \theta \rangle$ and $\langle \cos \theta \rangle$ for $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ hadron production fractions in $7 \text{ TeV}$ collisions. Evidence for the decay $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Physical Review Letters, 2013, 110, 221601.	2.9	108
45	Measurement of $\bar{\Lambda}_c^+$ production in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2025.	1.4	106
46	Search for Majorana Neutrinos in $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
47	First Observation of $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Violation in the Decays of $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Physical Review Letters, 2013, 110, 221601.	2.9	105
48	Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
49	Differential branching fraction and angular analysis of the decay $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
50	Model-Independent Evidence for $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Contributions to $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays. Physical Review Letters, 2013, 110, 221601.	2.9	102
51	Observation of Time-Dependent CP Violation in $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays and Improved Measurements of CP Asymmetries in $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays. Physical Review Letters, 2007, 98, 031802.	2.9	101
52	Measurement of $\langle \cos^2 \theta \rangle$ and $\langle \cos \theta \rangle$ for $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ hadron production fractions in $7 \text{ TeV}$ collisions. Evidence for the decay $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ . Physical Review Letters, 2013, 110, 221601.	2.9	101
53	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
54	Dalitz plot analysis of $B \rightarrow \Lambda_c^+ \bar{c} \bar{c}$ Decays. Physical Review D, 2014, 90, .	1.6	99

#	ARTICLE	IF	CITATIONS
55	Observation of Excited $\Lambda(1520)$ Decays. Physical Review Letters, 2012, 109, 172003.	2.9	98
56	Measurement of Polarization and Triple-Product Correlations in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2005, 94, 221804.	2.9	96
57	Observation of $B \rightarrow D^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2002, 89, 151802.	2.9	90
58	Observation of $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 221801.	2.9	90
59	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	89
60	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fractions and asymmetries. Physical Review D, 2004, 69, .	1.6	85
61	Measurement of $\Upsilon(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
62	Study of D J meson decays to $D^+ \ell^+ \ell^-$ , $D^0 \ell^+ \ell^-$ and $D^+ \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
63	Differential branching fraction and angular analysis of $B \rightarrow D^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
64	Observation of Overlapping Spin-1 and Spin-3 $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review Letters, 2014, 113, 162001.	2.9	80
65	Model-independent determination of the strong-phase difference between $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review Letters, 2014, 112, 011801.	1.6	80
66	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804.	1.6	78
67	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2014, 112, 011801.	2.9	78
68	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804.	2.9	77
69	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804.	1.5	77
70	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804.	1.5	77
71	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804.	2.9	75
72	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804.	1.5	75

#	ARTICLE	IF	CITATIONS
73	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays and the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1. Measurement of CP violation and the decay width difference with	1.6	75
74	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	74

76 Measurement of  $B^0 \rightarrow D^+ D^-$  with Dalitz plot analysis of  $B^0 \rightarrow D^+ D^-$  decay. Physical Review D, 2004, 70, . 1.6 73

77 Improved measurement of CP-violation parameters  $\sin^2 2\beta_1$  and  $|\beta_1|$ , B-meson lifetimes, and  $B^0$ - $B^0$  mixing parameter  $\lambda$ . Physical Review D, 2005, 71, . 1.6 73

78 Measurement of resonant and non-resonant components in  $B^0 \rightarrow \pi^+ \pi^-$  decay. Physical Review D, 2005, 71, . 1.6 73

79 Measurement of the  $B^0 \rightarrow \pi^+ \pi^-$  production cross-section in proton-antiproton collisions via

#	ARTICLE	IF	CITATIONS
91	Measurements of $C$ and $P$ violation in the three-body phase space of charmless $B$ decays. Precision Measurement of $B \rightarrow \bar{c} \ell \nu_{\ell}$ decays.	1.6	65
92	Violation in $B$ decays.	2.9	65
93	Measurement of $\Gamma(B \rightarrow \bar{c} \ell \nu_{\ell})$ with a Dalitz plot analysis of $B \rightarrow \bar{c} D^{(*)} K^{(*)}$ decay. Physical Review D, 2006, 73, .	1.6	64
94	First Observation of the Decay $B_c \rightarrow \bar{c} \ell \nu_{\ell}$ . Physical Review Letters, 2012, 108, 251802.	1.6	62
95	Observation of $B \rightarrow \bar{c} \ell \nu_{\ell}$ . Physical Review Letters, 2003, 90, 201802.	2.9	61
96	Determination of the Sign of the Decay Width Difference in the $B$ system. Physical Review Letters, 2012, 108, 241801.	2.9	61
97	Measurement of $B \rightarrow \bar{c} \ell \nu_{\ell}$ in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Search for the rare decays $B \rightarrow \bar{c} \ell \nu_{\ell}$ .	2.9	61
98	Analysis of the resonant components in $B \rightarrow \bar{c} \ell \nu_{\ell}$ .	1.5	60
99	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	1.6	60
100	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
101	Precision measurement of the $B \rightarrow \bar{c} \ell \nu_{\ell}$ oscillation frequency with the decay $B \rightarrow \bar{c} \ell \nu_{\ell}$ . New Journal of Physics, 2013, 15, 053021.	1.2	59
102	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
103	Studies of CP Violation in $B \rightarrow \bar{c} \ell \nu_{\ell}$ Decays. Physical Review Letters, 2005, 95, 091601.	2.9	57
104	Study of the baryon $\Lambda_c^+$ antibaryon low-mass enhancements in charmless three-body baryonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 617, 141-149.	1.5	56
105	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	1.6	56
106	Study of B meson decays to three-body charmless hadronic final states. Physical Review D, 2004, 69, .	1.6	55
107	Observation of $B \rightarrow \bar{c} \ell \nu_{\ell}$ and $B \rightarrow \bar{c} \ell \nu_{\ell}$ .	1.6	55
108	Measurements of the $B \rightarrow \bar{c} \ell \nu_{\ell}$ decay amplitudes and the $B \rightarrow \bar{c} \ell \nu_{\ell}$ decay amplitudes and $B \rightarrow \bar{c} \ell \nu_{\ell}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54

#	ARTICLE	IF	CITATIONS
109	Study of the $D^0 \rightarrow p \pi^+ \pi^-$ amplitude in $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2017, 2017, 11.6		54
110	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
111	Observation of $B^+ \rightarrow K^+ \pi^0$ . Physical Review Letters, 2005, 94, 111802.	2.9	53
112	Measurement of the cross-section for $Z \rightarrow e^+ e^-$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
113	Measurement of $\psi(2S)$ $\pi^+ \pi^-$ polarisation in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
114	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
115	Measurement of the exclusive $\eta'$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
116	Measurement of the W boson mass. Journal of High Energy Physics, 2022, 2022, 1.	1.6	52
117	First Observation of the Decay $B^0 \rightarrow s \gamma$ . Physical Review Letters, 2013, 110, 151803.	2.9	51
118	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \pi^+ \pi^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
119	Time-dependent CP asymmetries in $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ transitions. Physical Review D, 2006, 74, .	1.6	50
120	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
121	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
122	Precision measurement of the ratio of the $B^0 \rightarrow D^+ \pi^-$ to $B^0 \rightarrow D^0 \pi^+$ decays. Physical Review D, 2015, 91, .	1.3	50
123	First observation and amplitude analysis of the $B^0 \rightarrow D^+ \pi^-$ decay. Physical Review D, 2015, 91, .	1.6	50
124	Dalitz analysis of three-body charmless $B^0 \rightarrow K^+ \pi^- \pi^0$ decay. Physical Review D, 2007, 75, .	1.6	49
125	First Evidence of Direct CP Violation in Charmless Two-Body Decays of $B^0 \rightarrow K^+ \pi^-$ . Physical Review Letters, 2012, 108, 201601.	2.9	49
126	Searches for Majorana neutrinos in $B^0 \rightarrow \mu^+ \mu^-$ decays. Physical Review D, 2012, 85, .	1.6	49





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145	Measurement of CP Asymmetry in a Time-Dependent Dalitz Analysis of $B^0 \rightarrow \pi^+ \pi^-$ and a Constraint on the Quark Mixing Matrix Angle $\alpha_2$ . Physical Review Letters, 2007, 98, 221602.	2.9	41
146	Moments of the electron energy spectrum and partial branching fraction of $B^0 \rightarrow X e \ell \frac{1}{2}$ decays at the Belle detector. Physical Review D, 2007, 75, .	1.6	41
147	First observation of the decay $B_c^+ \rightarrow \psi(3700) K^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
148	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
149	Observation of $B^0 \rightarrow \pi^+ \pi^- (3770) K^+$ . Physical Review Letters, 2004, 93, 051803.	2.9	40
150	Charge asymmetry of same-sign dileptons in $B^0 \rightarrow B^0$ mixing. Physical Review D, 2006, 73, .	1.6	40
151	Measurement of the CP-violating phase $\arg(V_{cb} V_{cs}^*)$ . Physical Review Letters, 2012, 108, 101601.	1.5	40
152	Measurement of Inclusive $D_s, D_0$ , and $J/\psi$ Rates and Determination of the $B_s^{(*)} \rightarrow B^0 \pi^0$ Production Fraction in $B^0 \rightarrow \pi^+ \pi^- (5S)$ Resonance. Physical Review Letters, 2007, 98, 052001.	2.9	39
153	Study of $B^0 \rightarrow \pi^+ \pi^- D^0$ decays. Physical Review D, 2007, 76, .	1.6	39
154	Search for Lepton Number Violating Decays $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ and $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ . Physical Review Letters, 2012, 108, 101601.	2.9	39
155	Precision Measurement of the Mass and Lifetime of the $B_c^+$ . Physical Review Letters, 2014, 113, 242002.	2.9	39
156	Study of the kinematic dependences of $B^0 \rightarrow \pi^+ \pi^-$ production in pp collisions and a measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
157	Search for beautiful tetraquarks in the $\psi(1S) \pi^+ \pi^-$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
158	Search for $B_c^+$ decaying to $D^+ \pi^0$ . Physical Review Letters, 2013, 111, 242002.	1.6	38
159	Moments of the hadronic invariant mass spectrum in $B^0 \rightarrow X e \ell \frac{1}{2}$ decays at Belle. Physical Review D, 2007, 75, .	1.6	37
160	Measurement of the forward-backward asymmetry in $Z \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
161	Production of associated $\Upsilon$ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
162	Measurement of the CP Asymmetry in $B^0 \rightarrow X \pi^0$ . Physical Review Letters, 2004, 93, 031803.	2.9	36

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163	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ . Physical Review D, 2009, 80, .	1.5	36
164	Study of $B \rightarrow DCPK^*$ and $DCP^*K^*$ decays. Physical Review D, 2006, 73, .	1.6	36
165	Determination of the $D^0 \rightarrow \bar{D}^0$ and $D^0 \rightarrow \bar{D}^0$ coherence factors and average strong-phase differences using quantum-correlated measurements. Physical Review D, 2009, 80, .	1.6	36
166	First observation of the decay $B \rightarrow \bar{D}^0 \pi^+ \pi^- + \bar{D}^0 \pi^+ \pi^-$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
167	Measurement of the relative rate of prompt $\bar{D}^0$ , $\bar{D}^0$ and $\bar{D}^0$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
168	Precision Measurement of the Mass and Lifetime of the $\Lambda_b$ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
169	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
171	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	1.5	35
172	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
173	Precision Measurement of the $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ Lifetime. Physical Review Letters, 2013, 111, 102003.	0.9	35
174	Observation of the $\bar{D}^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
175	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
176	Measurement of branching fractions and charge asymmetries for two-body B meson decays with charmonium. Physical Review D, 2003, 67, .	1.6	34
177	Measurement of the CP violating phase $\beta$ in $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ . Physical Review D, 2003, 67, .	1.5	34
178	Measurement of the CP violating phase $\beta$ in $B \rightarrow \bar{D}^0 \pi^+ \pi^-$ . Physical Review D, 2003, 67, .	1.5	34
179	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	34

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181	First determination of the CP content of $D^+ \rightarrow \bar{K}^0 \pi^+$ and updated determination of the CP contents of $D^+ \rightarrow \bar{K}^0 \pi^0$ and $D^+ \rightarrow K^+ \bar{K}^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 9-17.	1.5	34
182	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
183	Angular moments of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
184	Measurement of the CP-violating phase $\arg(\frac{q}{p})$ in $B \rightarrow \pi^+ \pi^- \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
185	Search for the rare decay $B \rightarrow \pi^+ \pi^- \pi^0$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
186	Search for the rare decay $B \rightarrow \pi^+ \pi^- \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
187	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	1.5	33
188	Study of $\Upsilon$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
189	Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
190	Precision measurement of the $\chi_{cc}^{++}$ mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
191	Observation of decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 171-182.	1.5	32
192	Measurement of $ V_{ub} $ Using Inclusive $B \rightarrow X_{u\bar{u}}$ Decays with a Novel X <sub>u</sub> -Reconstruction Method. Physical Review Letters, 2004, 92, 101801.	2.9	32
193	Search for the rare decays $B \rightarrow \pi^+ \pi^- \pi^0$ and $B \rightarrow \pi^+ \pi^- \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	32
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195	Measurement of the Semileptonic $B \rightarrow \pi^+ \pi^- \pi^0$ Asymmetry in $B \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review Letters, 2013, 111, 141801.	1.6	32
196	Search for the lepton flavour violating decay $B \rightarrow \pi^+ \pi^- \pi^0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
197	Search for the lepton flavour violating decay $B \rightarrow \pi^+ \pi^- \pi^0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
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200	Search for violations of Lorentz invariance and $CPT$ symmetry in $B \rightarrow D^* \pi$ decays. <i>Physical Review Letters</i> , 2003, 90, 071801.	2.9	31
201	Test of lepton universality with $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	31
202	Studies of $B^0 \rightarrow B^0$ mixing properties with inclusive dilepton events. <i>Physical Review D</i> , 2003, 67, .	1.6	30
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207	Violation in $B \rightarrow D^* K$ decays. <i>Physical Review Letters</i> , 2015, 115, 031601.	2.9	30
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212	First observation of $B \rightarrow D^* K$ decays. <i>Physical Review Letters</i> , 2003, 90, 071801.	1.5	29
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221	Measurement of the CKM angle $\hat{\beta}^3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.5	28
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225	First Observation of a Baryonic $B_c^+$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
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228	Observation of $B^0 \rightarrow K^+ K^-$ and Evidence for $B^0 \rightarrow K^+ K^-$ decays. Physical Review Letters, 2012, 109, 131801.	2.9	27
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260	Observation of $B^0 \rightarrow D_s^* (2317)^+ K^-$ Decay. Physical Review Letters, 2005, 94, 061802.	2.9	23
261	Study of $B \rightarrow \pi^+ \pi^-$ Time-Dependent CP Violation at Belle. Physical Review Letters, 2005, 94, 121801.	2.9	23
262	Publisher's Note: Improved measurement of CP-violation parameters $\sin 2\beta_1$ and $ \lambda $ , B-meson lifetimes, and $B^0 \rightarrow B^0$ mixing parameter $\text{Re}(\lambda)$ [Phys. Rev. D 71, 072003 (2005)]. Physical Review D, 2005, 71, .	1.6	23
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270	First observations of $B^0 \rightarrow D^+ D^-$ , $D_s^+ D^-$ and $D^0 D^0$ decays. Physical Review D, 2013, 87, .	1.6	22



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272	Measurement of the CKM angle $\beta_3$ using $B_{\pm} \rightarrow DK_{\pm}$ with $D \rightarrow K^0 \pi^{\pm} \pi^{\mp}$ , $K^0 \pi^0 \pi^{\pm}$ , $K^0 \pi^0 K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
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287	Measurements of the $B \rightarrow K^0 \pi^0$ asymmetries. Physical Review Letters, 2014, 112, 041801.	2.9	20
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292	Measurement of CP observables in $B^0 \rightarrow DK^{\pm}$ and $B^0 \rightarrow D^{\pm} K^{\mp}$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 117-131.	1.5	20
293	Studies of the resonance structure in $B^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2016, 93, .	1.6	20
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295	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow \psi K^+ K^-$ decays. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	20
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300	First Measurement of the CP-Violating Phase in $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2013, 110, 241802.	2.9	19
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312	Measurement of CP violation in $C \rightarrow P$ violation in $B \rightarrow s$ decays. Physical Review D, 2014, 90, .	1.6	18
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320	Measurement of the effective $B \rightarrow s$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	0.9	17
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323	Search for the decay $B_s^0 \rightarrow D^0 \pi^0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
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328	Improved limit on the branching fraction of the rare decay $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$ . European Physical Journal C, 2017, 77, 678.	1.4	17
329	Measurement of the $\eta_c(1S)$ production cross-section in $pp$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
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347	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^+ \nu$ , ext $\{jet\}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
348	Improved measurements of color-suppressed decays $B^0 \rightarrow D^0 \pi^+ \pi^-$ , $D^0 \pi^+ \pi^-$ , $D^0 \pi^+ \pi^-$ and $D^0 \pi^+ \pi^-$ . Physical Review D, 2006, 74, .	1.6	14
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351	Measurement of the polarization amplitudes and triple product asymmetries in the $\langle \text{mml:math altimg="si1.gif" overflow="scroll" display="inline" \rangle$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	14
352	Search for CP violation in $D^+ \rightarrow \pi^+ \pi^0 \pi^+$ and $D_s^+ \rightarrow \pi^+ \pi^0 \pi^+$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
353	Study of $B_{(s)}^0 \rightarrow K_{(s)}^0 h^+ h^-$ decays with first observation of $B_{(s)}^0 \rightarrow K_{(s)}^0 \pi^+ \pi^-$ and $B_{(s)}^0 \rightarrow K_{(s)}^0 \pi^+ \pi^-$ . Journal of High Energy Physics, 2013, 2013, .	1.6	14
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368	Search for B decays into $p, K^*, \bar{K}^0, \pi^0$ and $\pi^0$ . Physical Review D, 2007, 75, .	1.6	13
369	Measurement of the ratio of branching fractions $\frac{\mathcal{B}(B \rightarrow \pi^0 \pi^0)}{\mathcal{B}(B \rightarrow \pi^+ \pi^-)}$		

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381	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- (2S) K^+$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	1.5	13
382	Determination of $\hat{\Gamma}^3$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle$ charmless two-body decays of beauty mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 1-11.	1.5	13
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386	Constraints on the unitarity triangle angle $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$ from Dalitz plot analysis of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$	1.6	13
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388	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- S^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
389	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- D^{\pm} K^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.6	1.6	13
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401	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
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405	Measurement of charmless B decays to $\bar{K}^* \pi^0$ . Physical Review D, 2007, 75, .	1.6	11
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417	Measurements of CP asymmetries in charmless four-body $\Lambda_b^0$ and $\Xi_b^0$ decays. European Physical Journal C, 2019, 79, 1.	1.4	11
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452	Measurement of the CKM angle $\beta^3$ using $B^0 \rightarrow DK^*0$ with $D \rightarrow K^* S^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
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484	Measurement of the $B_s \rightarrow D_s^* (5\bar{1}\bar{c})^+ D_s^* (5\bar{1}\bar{c})^+$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
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492	Measurement of CP violation in $B^0 \rightarrow D^+ \bar{K}^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
493	Measurement of CP observables in $B^{\pm} \rightarrow DK^{\pm}$ and $B^{\pm} \rightarrow D^{\pm} \bar{K}^{\pm}$ with $D \rightarrow K^{\pm} \pi^{\pm}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
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495	Measurement of the CKM angle $\hat{\beta}$ and $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing frequency with $B_{(s)}^0 \rightarrow D_{(s)}^{\pm} h^{\pm} \pi^{\pm} \pi^{\pm}$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
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