

Bogdan Popovici

List of Publications by Year in descending order

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Version: 2024-02-01

388
papers

20,137
citations

11639

70
h-index

17580

121
g-index

392
all docs

392
docs citations

392
times ranked

8662
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of Lepton Universality Using $B \rightarrow K^* \mu^+ \mu^-$ Observation of $J/\psi \rightarrow \mu^+ \mu^-$	2.9	845
2	Resonances Consistent with Pentaquark States in $B \rightarrow \mu^+ \mu^-$	2.9	816
3			

[Redacted]

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[Redacted]

[Redacted]

[Redacted]

#	ARTICLE	IF	CITATIONS
19	Strong Constraints on the Rare Decays $B \rightarrow s \gamma$. <i>Physical Review Letters</i> , 2012, 108, 231801.	2.9	160
20	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
21	Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi K$ Structures. <i>Physical Review Letters</i> , 2015, 115, 161802.	2.9	150
22	Search for Hidden-Sector Bosons in $B \rightarrow K \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2015, 115, 161802.	1.4	137
23	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	137
24	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015, 10, P02007-P02007.	0.5	127
25	$B \rightarrow J/\psi K$ -pair production in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 707, 52-59.	1.5	123
26	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2631.	1.4	117
27	Measurement of hadron production fractions in 7 TeV $B \rightarrow J/\psi K$. <i>Physical Review D</i> , 2013, 87, 012001.	1.6	116
28	Evidence for the decay $B \rightarrow J/\psi K \hat{a}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.5	115
29	Measurement of $B \rightarrow J/\psi K \hat{a}^0$ branching fraction and angular analysis of the decay $B \rightarrow J/\psi K \hat{a}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	0.9	114
30	Differential branching fraction and angular analysis of the decay $B \rightarrow J/\psi K \hat{a}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	111
31	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 055002.	1.4	111
32	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014, 9, P12005-P12005.	0.5	110
33	Measurement of the $B \rightarrow J/\psi K \hat{a}^0$ branching fraction and angular analysis of the decay $B \rightarrow J/\psi K \hat{a}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	2.9	110
34	Measurement of $B \rightarrow J/\psi K \hat{a}^0$ branching fraction and angular analysis of the decay $B \rightarrow J/\psi K \hat{a}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	2.9	108
35	Measurement of $B \rightarrow J/\psi K \hat{a}^0$ branching fraction and angular analysis of the decay $B \rightarrow J/\psi K \hat{a}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.4	106
36	Search for Majorana Neutrinos in $B \rightarrow J/\psi K \hat{a}^0$ Decays. <i>Physical Review Letters</i> , 2014, 112, 131802.	2.9	106

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37	First Observation of $C \rightarrow P$ Violation in the Decays of B_c Mesons. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	105
38	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015, 11, 743-747.	6.5	105
39	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045001.	1.4	104
40	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	103
41	Differential branching fraction and angular analysis of the decay $B_c \rightarrow \psi(2S) \psi(2S)$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	103
42	Model-Independent Evidence for J/ψ Contributions to $B_c \rightarrow P$. <i>Physical Review Letters</i> , 2013, 111, 101801.	2.9	102
43	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	2.9	101
44	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	100
45	Amplitude analysis of $B_c \rightarrow D^* \psi(2S)$. <i>Physical Review Letters</i> , 2012, 109, 172003.	1.6	99
46	Observation of Excited B_c Mesons. <i>Physical Review Letters</i> , 2012, 109, 172003.	2.9	98
47	Amplitude analysis of $B_c \rightarrow D^* \psi(2S)$. <i>Physical Review D</i> , 2017, 95, .	1.6	92
48	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	89
49	Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 2100.	1.4	83
50	Study of $D^* J$ meson decays to $D^* \psi(2S)$, $D^* \psi(2S)$ and $D^* \psi(2S)$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	82
51	Measurement of the $B_c \rightarrow D^* \psi(2S)$ decays. <i>Physical Review Letters</i> , 2012, 109, 172003.	2.9	82
52	Differential branching fraction and angular analysis of $B_c \rightarrow \psi(2S) \psi(2S)$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, .	1.6	82
53	Observation of Overlapping Spin-1 and Spin-3 Mesons. <i>Physical Review Letters</i> , 2014, 113, 162001.	2.9	81
54	Observation of Overlapping Spin-1 and Spin-3 Mesons. <i>Physical Review Letters</i> , 2014, 113, 162001.	2.9	80

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55	Dalitz plot analysis of $B \rightarrow D^+ \bar{K}^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.	1.6	80
56	Search for long-lived scalar particles in $B \rightarrow K^+ \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.	1.6	79
57	Violation in the Phase Space of $B \rightarrow P^+ K^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.	2.9	78
58	Search for Structure in the $B \rightarrow s^+ K^0 \pi^0$ Mass Spectrum. <i>Physical Review Letters</i> , 2016, 117, 152003.	1.6	78
59	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016, 40, 011001.	1.5	77
61	Observation of CP violation in $B \rightarrow c^+ K^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2012, 109, 121801.	2.9	75
62	Measurements of the S-wave fraction in $B \rightarrow K^+ \pi^0 \pi^0$ decays and the $B \rightarrow K^+ \pi^0 \pi^0$ differential branching. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	75
64	Measurement of $B \rightarrow P^+ K^0 \pi^0$ violation and the $B \rightarrow s^+ K^0 \pi^0$ decay width difference with $B \rightarrow s^+ K^0 \pi^0$ mesons. <i>Physical Review Letters</i> , 2012, 109, 121801.	1.6	74
65	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	74
66	Measurement of resonant and $B \rightarrow P^+ K^0 \pi^0$ components in $B \rightarrow s^+ K^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2012, 109, 121801.	1.6	73
67	Measurement of the $B \rightarrow c^+ K^0 \pi^0$ production cross-section in proton-proton collisions via		

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73	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
74	Measurement of the resonant and non-resonant components in $B \rightarrow D^* P$ decays. Journal of High Energy Physics, 2012, 2012, 165.	1.6	67
75	Search for the charmless $B \rightarrow D^* \bar{K}^0$ decays. Journal of High Energy Physics, 2012, 2012, 165.	1.6	65
76	Measurement of the isospin asymmetry in $B \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2012, 2012, 165.	1.6	65
77	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
78	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
79	Observation of $B \rightarrow D^* \bar{K}^0$ oscillation. Physical Review Letters, 2012, 108, 251802.	2.9	65
80	Measurements of $B \rightarrow D^* \bar{K}^0$ violation in the three-body phase space of charmless $B \rightarrow D^* \bar{K}^0$ decays. Physical Review Letters, 2015, 114, 041801.	1.6	65
81	Precision measurement of $B \rightarrow D^* \bar{K}^0$ violation in $B \rightarrow D^* \bar{K}^0$ decays. Physical Review Letters, 2015, 114, 041801.	2.9	65
82	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
83	First Observation of the Decay $B \rightarrow D^* \bar{K}^0$. Physical Review Letters, 2012, 108, 251802.	2.9	62
84	Determination of the Sign of the Decay Width Difference in the $B \rightarrow D^* \bar{K}^0$ Oscillation. Physical Review Letters, 2012, 108, 241801.	2.9	61
85	Measurement of $B \rightarrow D^* \bar{K}^0$ in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2015, 114, 132001.	2.9	61
86	Measurement of $B \rightarrow D^* \bar{K}^0$ oscillation. Physical Review Letters, 2012, 108, 251802.	1.5	60
87	Analysis of the resonant components in $B \rightarrow D^* \bar{K}^0$ decays. Physical Review D, 2013, 87, .	1.6	60
88	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
89	Precision measurement of the $B \rightarrow D^* \bar{K}^0$ oscillation frequency with the decay $B \rightarrow D^* \bar{K}^0$. New Journal of Physics, 2013, 15, 053021.	1.2	59

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91	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, .	1.6	59
92	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
93	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
94	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	1.6	56
95	Observation of a Resonance in $B \rightarrow \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	2.9	59
96	Observation of $B \rightarrow \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	55
97	Measurement of $B \rightarrow \pi^0 \pi^0$ decay amplitudes and CP asymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54
98	Study of the $D^0 \rightarrow \pi^+ \pi^-$ amplitude in $B^0 \rightarrow \pi^+ \pi^- D^0$ decays. Journal of High Energy Physics, 2017, 2017, 11.6	1.6	54
99	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
100	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
101	Measurement of $\psi(2S)$ $\Upsilon(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
102	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
103	Measurement of the exclusive Υ 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
104	Measurement of the $b \rightarrow c$ Quark Production Cross Section in 7 and 13 TeV pp collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
105	Measurement of $B \rightarrow \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	2.9	51
106	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow \pi^+ K^+ \pi^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
107	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2012, 108, 181806.	2.9	50
108	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

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109	Search for the doubly charmed baryon Ξ_{cc}^{\pm} . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
110	Precision measurement of the ratio of the $\frac{B_{\text{charm}}}{B_{\text{charmless}}}$ to $\frac{B_{\text{charmless}}}{B_{\text{charmless}}}$	1.5	50
111	First observation and amplitude analysis of the $B \rightarrow \pi \pi^0$ $B \rightarrow \pi^0 \pi^0$ $B \rightarrow \pi^0 \pi^0$ $B \rightarrow \pi^0 \pi^0$	1.6	50
112	First Evidence of Direct $C \rightarrow P$ Two-Body Decays of $B \rightarrow s$ Physical Review Letters, 2012, 108, 201601.	2.9	49
113	Searches for Majorana neutrinos in $B \rightarrow \pi \pi$ decays. Physical Review D, 2012, 85, .	1.6	49
114	Measurements of long-range near-side angular correlations in pp proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483	1.5	49
115	$\frac{B_{\text{charm}}}{B_{\text{charmless}}}$ $\frac{B_{\text{charmless}}}{B_{\text{charmless}}}$		

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127	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
128	First observation of the decay $B_c^+ \rightarrow \psi(K^+)$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
129	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
130	Measurement of the CP-violating phase $\arg(V_{cb}^* V_{ub})$. Physical Review Letters, 2012, 108, 101601.	1.5	40
131	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \nu_\tau + \tau^+ \nu_\tau$ and $B \rightarrow K^+ \nu_\tau + \tau^+ \nu_\tau$. Physical Review Letters, 2012, 108, 101601.	2.9	39
132	Precision Measurement of the Mass and Lifetime of the B_c^+ . Physical Review Letters, 2014, 113, 242002.	2.9	39
133	Study of the kinematic dependences of \hat{b}^0 production in pp collisions and a measurement of the $\hat{b}^0 \rightarrow \tau^+ \nu_\tau$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
134	Study of B_c^+ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
135	Search for $B_c^+ \rightarrow D^+ \tau^+ \nu_\tau$ and $B_c^+ \rightarrow D^+ \tau^+ \nu_\tau$. Physical Review Letters, 2017, 118, 192001.	2.9	39
136	Measurement of the B_c^+ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	1.5	38
137	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
138	Production of associated Y 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
139	First observation of the decay $B \rightarrow \tau^+ \nu_\tau + \tau^+ \nu_\tau$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
140	Measurement of the relative rate of prompt $\tau^+ c^0$, $\tau^+ c^1$ and $\tau^+ c^2$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
141	Amplitude analysis and branching fraction measurement of $B_c^+ \rightarrow D^+ \tau^+ \nu_\tau$ and $B_c^+ \rightarrow D^+ \tau^+ \nu_\tau$. Physical Review D, 2013, 87, 032001.	1.6	36
142	Precision Measurement of the Mass and Lifetime of the Ω_b^0 Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
143	First measurement of the differential branching fraction and CP asymmetry of the $B_c^+ \rightarrow \tau^+ \nu_\tau + \tau^+ \nu_\tau$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
144	Measurement of the CKM angle $\hat{\beta}^3$ from a combination of B_c^+ production asymmetry and $B_c^+ \rightarrow D^+ \tau^+ \nu_\tau$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	1.5	35

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145	Measurement of the differential branching fraction of the decay $B \rightarrow D^* \tau^+ \nu_\tau$. Evidence for the decay $B \rightarrow D^* \tau^+ \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
146	Precision Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ Lifetime. Physical Review Letters, 2013, 111, 102003.	0.9	35
148	Observation of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
149	Model-independent confirmation of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay. Physical Review Letters, 2015, 92, .	1.6	35
150	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35
151	Measurement of the CP-violating phase $\arg(B \rightarrow D^* \tau^+ \nu_\tau)$. Physical Review Letters, 2017, 118, 021801.	1.5	34
152	Measurement of the CP-violating phase $\arg(B \rightarrow D^* \tau^+ \nu_\tau)$. Physical Review Letters, 2017, 118, 021801.	1.5	34
153	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.	1.5	34
154	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
155	Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
156	Measurement of the CP-violating phase $\arg(B \rightarrow D^* \tau^+ \nu_\tau)$. Physical Review Letters, 2017, 118, 021801.	1.5	33
157	Search for the rare decay $B \rightarrow D^* \tau^+ \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
158	Search for the rare decay $B \rightarrow D^* \tau^+ \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
159	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
160	Study of Υ 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
161	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
162	Search for the rare decays $B \rightarrow D^* \tau^+ \nu_\tau$ and $B \rightarrow D^* \tau^+ \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	32

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163	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$ and $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$. Physical Review Letters, 2013, 111, 914180. https://doi.org/10.1103/PhysRevLett.111.091418	1.6	32
164	Observation of the decay $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$. Physical Review Letters, 2013, 111, 914180. https://doi.org/10.1103/PhysRevLett.111.091418	1.6	32
165	Measurement of the ratio of $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$ and $B \rightarrow \tau^+ \mu \bar{\nu}_\tau \nu_\mu$. Physical Review D, 2013, 87, . https://doi.org/10.1103/PhysRevD.87.012001	2.9	32
166	Search for the lepton flavour violating decay $\bar{B}_s \rightarrow \tau^+ \nu_\tau \nu_e \nu_e$. Journal of High Energy Physics, 2015, 2015, 1. https://doi.org/10.1088/1126-6708/2015/01/014	1.6	32
167	Measurement of the ratio of $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$ and $B \rightarrow \tau^+ \mu \bar{\nu}_\tau \nu_\mu$. Physical Review D, 2014, 89, . https://doi.org/10.1103/PhysRevD.89.012001	1.6	31
168	Studies of beauty baryon decays to $\tau^+ e \bar{\nu}_\tau \nu_e$. Physical Review D, 2014, 89, . https://doi.org/10.1103/PhysRevD.89.012001	1.6	31
169	Search for Violations of Lorentz Invariance and CPT Symmetry in $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$. Physical Review D, 2015, 92, . https://doi.org/10.1103/PhysRevD.92.012001	1.5	31
170	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1. https://doi.org/10.1007/s00034-012-0001-1	2.9	31
171	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1. https://doi.org/10.1088/1126-6708/2013/01/014	1.4	30
172	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888. https://doi.org/10.1088/1475-2875/2014/07/2888	1.4	30
173	Amplitude analysis of $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1. https://doi.org/10.1088/1126-6708/2015/01/014	1.6	30
174	First observation of $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1. https://doi.org/10.1088/1126-6708/2015/01/014	1.6	30
175	Violation in C and P Symmetry in $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$. Physical Review D, 2015, 92, . https://doi.org/10.1103/PhysRevD.92.012001	2.9	30
176	Forward production of J/ψ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1. https://doi.org/10.1088/1126-6708/2015/01/014	1.6	30
177	Angular analysis of the $B \rightarrow \tau^+ e \bar{\nu}_\tau \nu_e$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1. https://doi.org/10.1088/1126-6708/2015/01/014	1.6	30
178	Study of $D \rightarrow S J/\psi K$ and $D \rightarrow K J/\psi K$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, . https://doi.org/10.1088/1126-6708/2012/01/014	1.5	29
179	Study of $D \rightarrow S J/\psi K$ and $D \rightarrow K J/\psi K$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, . https://doi.org/10.1088/1126-6708/2012/01/014	1.6	29
180	Measurement of relative branching fractions of B decays to $J/\psi(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118. https://doi.org/10.1088/1475-2875/2012/07/2118	1.4	29

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181	Measurement of the lifetime of the B_c meson. <i>Physical Review Letters</i> , 2016, 2016, 1. http://www.w3.org/1998/Math/MathML	2.9	29
182	Measurement of the CKM angle β from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	29
183	Determination of β from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	29
184	Collisions and Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction at low dilepton mass. <i>Physical Review Letters</i> , 2011, 107, 21.	2.9	28
185	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	28
186	First measurement of time-dependent CP violation in $B_s \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	28
187	First Observation of a Baryonic B_c Decay. <i>Physical Review Letters</i> , 2014, 113, 152003.	2.9	28
188	Observation of the Decays $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2017, 119, 062001.	2.9	28
189	First observation of the decay $B \rightarrow K^* \ell^+ \ell^-$ for $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2017, 119, 062001.	2.9	27
190	Measurement of CP violation and constraints on the CKM angle β in $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	1.5	27
191	Evidence for $B \rightarrow K^* \ell^+ \ell^-$ production in $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	0.9	27
192	Violation in $B \rightarrow K^* \ell^+ \ell^-$ production in $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2017, 119, 062001.	2.9	27
193	Measurement of $B \rightarrow K^* \ell^+ \ell^-$ production in $B \rightarrow K^* \ell^+ \ell^-$ collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014, 74, .	1.4	27
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196	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	26
197	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	26
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204	Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2421.	1.4	25
205	Observation of the decay $B_c^+ \rightarrow \bar{K}^* K + K^* \bar{K}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	25
206	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
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208	Evidence for the Strangeness-Changing Weak Decay $B \rightarrow K^* \pi^0$. <i>Physical Review Letters</i> , 2017, 118, 091801.	2.9	25
209	Observation of the Annihilation Decay Mode $B \rightarrow K^* \pi^0$. <i>Physical Review Letters</i> , 2017, 118, 091801.	2.9	25
210	Observation of $B \rightarrow K^* \pi^0$ decays. <i>Physical Review Letters</i> , 2017, 118, 111803.	2.9	25
211	Measurements of the branching fractions of $B^+ \rightarrow \rho^0 K^+$ decays. <i>European Physical Journal C</i> , 2013, 73, 2462.	1.4	24
212	Observations of $B \rightarrow K^* \pi^0$ decays. <i>Physical Review Letters</i> , 2017, 118, 091801.	0.9	24
213	Observation of $B \rightarrow K^* \pi^0$ decays and measurement of the θ_{13} mixing angle. <i>Physical Review Letters</i> , 2014, 112, 091802.	2.9	24
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215	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	24
216	Observations of $B \rightarrow K^* \pi^0$ and $B \rightarrow K^* \pi^+$ decays and searches for other $B \rightarrow K^* \pi^0$ and $B \rightarrow K^* \pi^+$ decays to $B \rightarrow K^* \pi^0$ final states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	24

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225	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
226	Study of $B^0 \rightarrow B^0$ boson production in association with beauty and charm. Physical Review D, 2015, 92, .	1.6	22
227	Asymmetry in $B^0 \rightarrow B^0$ decays. Physical Review Letters, 2013, 110, 031801.	2.9	22
228	Observation of $B^0 \rightarrow B^0$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
229	Search for CP violation in $B^0 \rightarrow B^0$ decays. Physical Review Letters, 2013, 110, 031801.	2.9	21
230	Search for CP violation using T-odd correlations in $B^0 \rightarrow B^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
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233	Measurement of the properties of the Λ_b^0 baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
234	Observation of the decay $B^0 \rightarrow B^0$ and evidence for $B^0 \rightarrow B^0$ decays. Physical Review D, 2017, 95, .	1.6	21

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237	First observation of $B^0 \rightarrow \rho^0 \rho^0$ decays. <i>Physical Review D</i> , 2012, 85, .	1.6	20
238	Search for CP violation in $B \rightarrow K^* \rho^0$ decays. <i>Physical Review D</i> , 2012, 85, .	1.6	20
239	Asymmetries in $B \rightarrow K^* \rho^0$ decays. <i>Physical Review Letters</i> , 2014, 112, 041801.	2.9	20
240	Measurement of the $B^0 \rightarrow \rho^0 \rho^0$ mass and of the relative rate of $B^0 \rightarrow \rho^0 \rho^0$ and $B^0 \rightarrow \rho^0 \omega$ production. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	20
241	Search for CP violation in $B \rightarrow K^* \rho^0$ decays. <i>Physical Review D</i> , 2016, 94, .	2.9	20
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243	Search for the lepton-flavour violating decay $D^0 \rightarrow K^+ K^0 \rho^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 167-175.	1.5	20
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247	Measurement of the CP Violation Parameter A_{FB}^0 in $D^0 \rightarrow K^+ K^0 \rho^0$ and $D^0 \rightarrow K^+ K^0 \omega$ Decays. <i>Physical Review Letters</i> , 2017, 118, 261803.	2.9	20
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249	Search for CP violation in the decay $B \rightarrow K^* \rho^0$. <i>Physical Review Letters</i> , 2013, 110, 241802.	2.9	19
250	Measurement of the branching fractions of the decays $B_s^0 \rightarrow K^* \rho^0$ and $B_s^0 \rightarrow K^* \omega$. <i>Physical Review D</i> , 2013, 87, .	1.6	19
251	Search for CP violation in the decay $B \rightarrow K^* \rho^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 728, 585-595.	1.5	19
252	Resonances and CP violation in $B \rightarrow K^* \rho^0$ and $B \rightarrow K^* \omega$ decays in the mass region above the $\rho(1020)$. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	19

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256	Measurement of $C \rightarrow P$ violation in $B \rightarrow C$ decays. Physical Review D, 2014, 90, .	1.6	18
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258	Measurement of $B \rightarrow C$ violation in $B \rightarrow C$ decays. Physical Review D, 2014, 90, .	1.5	18
259	Measurement of the branching fraction and angular amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	1.7	17
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261	Observation of $B \rightarrow C$ violation in $B \rightarrow C$ decays. Physical Review D, 2014, 90, .	0.9	17
262	Measurement of the branching fraction and angular amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	0.9	17
263	Measurement of the branching fraction and angular amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	0.9	17
264	Measurement of the branching fraction and angular amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	2.9	17
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269	Measurement of the branching fraction and angular amplitudes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	1.5	17
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290	Measurement of $B \rightarrow D$ decays. Physical Review Letters, 2014, 113, 172001.	1.6	14
291	Measurement of the $B \rightarrow D$ Meson Lifetime in $D_s \rightarrow B$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
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293	Measurement of CP asymmetry in $B \rightarrow D$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.4	14
294	Study of CP violation in $B \rightarrow D$ decays with the modes $D \rightarrow K$ and $D \rightarrow K$. Physical Review D, 2015, 91, .	1.6	14
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296	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
297	Observation of the $B \rightarrow D$ decay from an amplitude analysis of $B \rightarrow D$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14
298	Observation of the $B \rightarrow D$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
299	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
300	First Observation of a Baryonic $B \rightarrow D$ Decay. Physical Review Letters, 2017, 119, 041802.	1.4	14
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308	Search for CP violation in $D \rightarrow K^+ K^0$ and $D \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	13
309	Measurement of the $B \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.5	13
310	Measurement of polarization amplitudes and CP asymmetries in $B \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.5	13
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312	Observation of the decay $B \rightarrow K^+ K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 747, 484-494.	1.5	13
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315	Measurement of the ratio of branching fractions $\hat{\Gamma}^3$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
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317	Constraints on the unitarity triangle angle $\hat{\Gamma}^3$ from Dalitz plot analysis of $B \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
318	Study of $D \rightarrow K^+ K^0$ mesons decaying to $D \rightarrow K^+ K^0$ and $D \rightarrow K^+ K^0$ final states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
319	Model-independent measurement of mixing parameters in $D \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	13
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321	Measurement of $B \rightarrow K^+ K^0$ and $B \rightarrow K^+ K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 139-158.	1.5	13
322	First Observation of the Decays $B \rightarrow K^+ K^0$ and $B \rightarrow K^+ K^0$. <i>Physical Review Letters</i> , 2012, 108, 11801.	1.5	12
323	Branching fraction and CP asymmetry of the decays $B \rightarrow K^+ K^0$. <i>Physical Review Letters</i> , 2012, 108, 11801.	1.5	12
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327	Measurement of CP asymmetries and polarisation fractions in $B \rightarrow \pi K^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
328	Measurement of the time-dependent CP asymmetries in $B \rightarrow \pi K^0$. Journal of High Energy Physics, 2015, 2015, .	1.6	12
329	A new algorithm for identifying the flavour of B^0 mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
330	Violation in $B \rightarrow \pi K^0$ decays. Physical Review Letters, 2016, 117, 261801.	2.9	12
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332	Observation of $B_c \rightarrow \pi^0 K^0$ decays. Physical Review D, 2017, 95, .	1.6	12
333	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
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336	Observation of associated production of a Z boson with a D meson in the forward region. Journal of High Energy Physics, 2014, 2014, .	1.6	11
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340	Measurements of charm mixing and violation using $B \rightarrow \pi K^0$ decays. Physical Review D, 2017, 95, .	1.6	11
341	Observation of the decay $\bar{b} \rightarrow \bar{s} K^0$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
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347	Evidence for the two-body charmless baryonic decay $B^0 \rightarrow p \bar{\Lambda}^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
348	First observation of the decay $B_s^0 \rightarrow \phi K^+ K^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
349	First observations of the rare decays $B^0 \rightarrow K^+ K^- K^+ K^-$ and $B^0 \rightarrow K^+ K^- K^+ K^-$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
350	Observation of the $B_s^0 \rightarrow \phi K^+ K^-$ decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
351	Search for the $B^0 \rightarrow K^+ K^- K^+ K^-$ and $B^0 \rightarrow K^+ K^- K^+ K^-$ decays with the LHCb detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
352	Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
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