

Pablo VÃ¡zquez Regueiro

List of Publications by Year in descending order

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Version: 2024-02-01

523
papers

22,756
citations

9756

73
h-index

15218

126
g-index

537
all docs

537
docs citations

537
times ranked

9015
citing authors

#	ARTICLE	IF	CITATIONS
1	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	0.5	969
2	Measurement of the Ratio of Branching Fractions B		

#	ARTICLE	IF	CITATIONS
19	Observation of structure in the J/ψ -pair mass spectrum. Science Bulletin, 2020, 65, 1983-1993.	4.3	212
20	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
21	Angular analysis and differential branching fraction of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	191
22	Test of lepton flavor universality by the measurement of the $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2018, 97, .	1.6	189
23	Violation in Time-Integrated $B \rightarrow C^* P$ Decays. Physical Review Letters, 2012, 108, 231801.	2.9	181
24	Strong Constraints on the Rare Decays $B \rightarrow S^* \ell^+ \ell^-$. Physical Review Letters, 2012, 108, 231801.	2.9	160
25	Observation of $B \rightarrow C^* P$ Decays. Physical Review Letters, 2019, 122, 211803.	2.9	157
26	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	153
27	Structures Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J^* \ell^+ \ell^-$. Physical Review Letters, 2020, 124, 041801.	2.9	150
28	Search for Hidden-Sector Bosons in $B \rightarrow A^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 124, 041801.	2.9	148
29	Measurement of $B \rightarrow C^* P$ -Averaged Observables in the $B \rightarrow K^* \ell^+ \ell^-$ Decay. Physical Review Letters, 2018, 121, 111801.	2.9	138
30	Measurement of $B \rightarrow C^* P$ -Averaged Observables in the $B \rightarrow K^* \ell^+ \ell^-$ Decay. Physical Review Letters, 2018, 121, 111801.	2.9	128
31	pair production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.5	123
32	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^+ \rightarrow \Lambda_c^+ \ell^+ \ell^-$. Physical Review D, 2020, 102, .	2.9	122
33	Measurement of J/ψ polarization in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
34	Amplitude analysis of the $B \rightarrow D^* \ell^+ \ell^-$ decay. Physical Review D, 2020, 102, .	1.6	117
35	Measurement of $b \rightarrow c$ hadron production fractions in $7 \leq \sqrt{s} < 10$ TeV. Physical Review D, 2019, 100, 074004.	1.6	116
36	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ decay. Physical Review D, 2020, 102, .	1.5	115

#	ARTICLE	IF	CITATIONS
37	Search for Dark Photons Produced in 13ÅTeV Collisions. Physical Review Letters, 2018, 120, 061801.	0.9	114
38	Differential branching fraction and angular analysis of the decay $B^0 \hat{\rightarrow} K^+ \hat{\rightarrow} 0 \hat{\rightarrow} 1/4 + \hat{\rightarrow} 1/4 \hat{\rightarrow} \hat{\rightarrow}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
39	Updated measurements of exclusive $\hat{\rightarrow}$ and $\hat{\rightarrow}(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	1.4	111
40	Model-independent Study of Structure in $B \rightarrow B^+ D^0$ Decays. Physical Review Letters, 2013, 110, 221601.	2.9	111
41	Evidence for Exotic Hadron Contributions to $B \rightarrow B^+ D^0$ Decays. Physical Review Letters, 2013, 110, 221601.	2.9	110
42	Measurement of $\hat{\rightarrow}$ production in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 2025.	2.9	108
43	Measurement of $\hat{\rightarrow}$ production in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 2025.	1.4	106
44	Search for Majorana Neutrinos in $B^+ \hat{\rightarrow} K^+ \hat{\rightarrow} 1/4 \hat{\rightarrow} 1/4 \hat{\rightarrow}$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
45	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow B^+ s$. Physical Review Letters, 2013, 110, 221601.	2.9	105
46	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
47	Exclusive $\hat{\rightarrow}$ and $\hat{\rightarrow}(2S)$ production in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104
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 $B \rightarrow B^+ \hat{\rightarrow} 1/4 + \hat{\rightarrow} 1/4 \hat{\rightarrow}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
50	Contributions to $B \rightarrow B^+ D^0$ Decays. Physical Review Letters, 2013, 110, 221601.	2.9	102
51	Measurement of $C \rightarrow P$ Violation in the Phase Space of $B \rightarrow B^+ s$. Physical Review Letters, 2013, 111, 101801.	2.9	101
52	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
53	Observation of Excited $B \rightarrow B^+ s$ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98

#	ARTICLE	IF	CITATIONS
55	Angular Analysis of the $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2012, 109, 232001.	2.9	96
56	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.	2.9	93
57	First measurement of the $B \rightarrow J/\psi K^0$ decay. Physical Review Letters, 2012, 109, 232001.	1.6	92
58	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.	1.5	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 $\tilde{\chi}(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
61	Study of D J meson decays to $D^+ \bar{K}^0$, $D^0 \bar{K}^+$ and $D^+ \bar{K}^+$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
62	Measurement of the $B \rightarrow J/\psi K^0$ decay. Physical Review Letters, 2012, 109, 232001.	2.9	82
63	Search for long-lived scalar particles in $B \rightarrow J/\psi K^0$ decays. Physical Review Letters, 2014, 112, 011801.	2.9	81
64	Search for Structure in the $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2014, 112, 011801.	1.6	79
65	Violation in the Phase Space of $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2014, 112, 011801.	2.9	78
66	Search for Structure in the $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2016, 117, 152003.	2.9	78
67	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2011, 698, 115-122.	2.9	77
68	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	1.5	77
69	Observation of a New $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2012, 109, 232001.	2.9	77
70	Branching Fraction Measurements of the Rare $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2012, 109, 232001.	2.9	77
71	Measurements of $B \rightarrow J/\psi K^0$ Decay. Physical Review Letters, 2018.	2.9	76
72	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.	2.9	75

#	ARTICLE	IF	CITATIONS
73	Observation of CP violation in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	73
74	Measurements of the S-wave fraction in $B \rightarrow \pi^0 K^+ K^-$ decays and the $B \rightarrow \pi^0 K^+ K^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
75	Measurement of resonant and non-resonant components in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	74
76	Measurement of resonant and non-resonant components in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	73
77	Differential branching fraction and angular analysis of the $B \rightarrow \pi^0 K^+ K^-$ decay. Journal of High Energy Physics, 2013, 2013, 1.	1.6	72
78	Observation of the Decay $B \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2013, 111, 181801.	2.9	72
79	Amplitude analysis of $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2016, 94, .	1.6	72
80	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	71
81	Measurement of the resonant and non-resonant components in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	67
82	Study of the lineshape of the $B \rightarrow \pi^0 \pi^0$ decay. Physical Review Letters, 2013, 111, 181801.	1.6	69
83	Analysis of the resonant components in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2013, 111, 181801.	1.6	65
84	Search for the $B \rightarrow \pi^0 \pi^0$ decay. Physical Review Letters, 2013, 111, 181801.	1.6	65
85	Measurement of the isospin asymmetry in $B \rightarrow \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
86	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
87	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
88	Observation of $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2013, 110, 101802.	2.9	65
89	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
90	First Observation of the Decay $B \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2012, 108, 251802.	1.6	62

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91	Determination of the Sign of the Decay Width Difference in the B_s System for the rare decays $B_s \rightarrow \mu^+ \mu^-$. Search for the rare decays $B_s \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2013, 87, .	2.9	61
92	Analysis of the resonant components in $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 699, 330-340.	1.5	60
93	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	60
94	Precision measurement of the $B_{s1} \rightarrow B_s \mu^+ \mu^-$ oscillation frequency with the decay $B_{s1} \rightarrow B_s \mu^+ \mu^-$. <i>New Journal of Physics</i> , 2013, 15, 053021.	1.2	59
95	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	59
96	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 241-248.	1.5	58
97	Opposite-side flavour tagging of B mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012, 72, 2022.	1.4	58
98	Evidence for an $\eta_c(1S) \pi^+ \pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$		

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109	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
110	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
111	Measurement of the $b \rightarrow c$ Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2019, 123, 152001.	2.9	52
112	First Observation of the Decay $B \rightarrow T_{jET} Qq$. Physical Review Letters, 2019, 123, 152001.	2.9	51
113	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+ K^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
114	Measurement of hadron fractions in 13 TeV collisions. Physical Review D, 2019, 100, .	1.6	51
115	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \rho^+ \rho^-$. Physical Review Letters, 2012, 108, 181806.	2.9	50
116	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
117	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
118	Precision measurement of the ratio of the $b \rightarrow c$ to $b \rightarrow u$ decays. Physical Review Letters, 2019, 123, 152001.	1.5	50
119	First Evidence of Direct CP Violation in Charmless Two-Body Decays of $B \rightarrow A$. Physical Review Letters, 2012, 108, 201601.	2.9	49
120	Searches for Majorana neutrinos in $B \rightarrow \nu \bar{\nu}$ decays. Physical Review D, 2012, 85, .	1.6	49
121	Measurements of long-range near-side angular correlations in proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and Hadron Physics, 2016, 360, 400.	1.5	49
122	Observation of New Resonances in the $B \rightarrow \rho^+ \rho^-$ Decays. Physical Review Letters, 2019, 123, 152001.	2.9	49
123	Measurement of the $B \rightarrow \rho^+ \rho^-$ decays. Physical Review Letters, 2012, 108, 201601.	2.9	49

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127	Observation of Twin Resonances in the $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ Decay. Physical Review Letters, 2018, 121, 222001.	2.9	48
128	Measurement of the ratio of prompt $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ to $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ meson production in pp collisions at $\sqrt{s} = 13.6$ TeV. Physical Review Letters, 2018, 121, 222001.	1.5	47
129	Measurement of the CP-violating phase $\arg(\rho_{cb})$ in $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ decays. Physical Review Letters, 2018, 121, 222001.	1.5	47
130	Observation of Photon Polarization in the $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ Decay. Physical Review Letters, 2014, 112, 161801.	2.9	46
131	Study of prompt D^0 meson production in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
132	Observation of New $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ States. Physical Review Letters, 2019, 122, 232001.	2.9	45
133	First Observation of Excited $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ States. Physical Review Letters, 2020, 124, 182102.	2.9	44
134	Measurement of the $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ Mixing Parameters and Search for $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ States. Physical Review Letters, 2020, 124, 182102.	2.9	43
135	Measurement of the $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ meson lifetime using $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ decays. European Physical Journal C, 2014, 74, 2839.	1.4	43
136	Observation of an Excited $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ State. Physical Review Letters, 2019, 122, 232001.	2.9	43
137	Asymmetries in $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ Decays. Physical Review Letters, 2020, 124, 182102.	2.9	42
138	Study of the $\bar{D}^0(3823)$ and $\bar{D}^0(3872)$ states in $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
139	Amplitude analysis of the $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ decay. Physical Review D, 2020, 101, 014001.	1.6	42
140	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
141	First observation of the decay $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
142	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
143	Measurement of Antiproton Production in $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ Collisions at $\sqrt{s} = 13.6$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
144	Measurement of the CP-violating phase $\arg(\rho_{cb})$ in $B_c^+ \rightarrow \bar{D}^0 \pi^+ \pi^0$ decays. Physical Review Letters, 2018, 121, 222001.	1.5	40

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145	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \bar{\nu}_\tau + \bar{\nu}_\tau + \nu_\tau$ and $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau + \nu_\tau$. Physical Review Letters, 2012, 108, 101601.	2.9	39
146	Study of the kinematic dependences of $\hat{b} \rightarrow b \gamma$ production in pp collisions and a measurement of the $\hat{b} \rightarrow b \gamma$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
147	Study of J/ψ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
148	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
149	Search for $D^0 \rightarrow s \tau^+ \tau^-$ decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
150	Measurement of the D^0 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
151	Amplitude Analysis of $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
152	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^- + \nu_\tau \bar{\nu}_\tau$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
153	Production of associated Υ 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
154	Prompt and nonprompt J/ψ production and nuclear modification in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.5	37
155	First observation of the decay $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
156	Measurement of the relative rate of prompt $\bar{c} \rightarrow c \gamma$, $\bar{c} \rightarrow c \tau^+ \tau^-$ and $\bar{c} \rightarrow c \mu^+ \mu^-$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
157	Amplitude analysis and branching fraction measurement of $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$. Physical Review D, 2013, 87, .	1.6	36
158	Precision Measurement of the Mass and Lifetime of the Ω_b^0 Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
159	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
160	Measurement of the differential branching fraction of the decay $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
161	Measurement of the differential branching fraction of the decay $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$ and measurement of the relative branching fractions of $B \rightarrow \tau^+ \bar{\nu}_\tau + \nu_\tau$. Physical Review D, 2013, 87, .	0.9	35
162	Precision Measurement of the Ω_b^0 Lifetime. Physical Review Letters, 2013, 111, 102003.	2.9	35

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163	Observation of the $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
164	Model-independent confirmation of the $Z \rightarrow \tau^+ \tau^-$ decay. Journal of High Energy Physics, 2015, 2015, 92, .	1.5	35
165	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
166	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
167	DIRAC: A high resolution spectrometer for pionium detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, Measurement of the $\pi^0 \rightarrow \gamma \gamma$ decay. Journal of High Energy Physics, 2018, 2018, 1.	0.7	34
168	Measurement of the $B \rightarrow D^* \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.5	34
169	Search for the rare decay $B \rightarrow D^* \ell^+ \ell^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.5	34
170	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
171	Angular moments of the decay $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \pi^0$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
172	Measurement of the CP-violating phase $\arg(V_{cb} V_{cd}^*)$. Journal of High Energy Physics, 2018, 2018, 1.	1.5	33
173	Search for direct CP violation in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 33-43.	1.5	33
174	Search for the rare decay $B \rightarrow D^* \ell^+ \ell^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
175	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
176	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
177	Precision measurement of the χ_{c0} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
178	Search for the rare decays $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^- \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	32
179	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e^- \pi^0$ and $B \rightarrow \tau^+ e^- \pi^0$. Physical Review Letters, 2013, 111, 141801-2	1.5	32
180	Observation of the decay $B_c \rightarrow \tau^+ \ell^- \pi^0$. Physical Review D, 2013, 87, .	1.6	32

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181	Observation of Several Sources of $C \rightarrow P$ Violation in $B \rightarrow C \bar{P}$ Decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. Precise measurement of the $B \rightarrow C \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	2.9	32
182	ratio of fragmentation fractions and of $B \rightarrow C \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	32
183	fractions to $B \rightarrow C \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	31
184	Studies of beauty baryon decays to $D \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	31
185	Symmetry in $B \rightarrow C \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 89, .	2.9	31
186	Test of lepton universality with $B \rightarrow C \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	31
187	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	30
188	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	30
189	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. <i>European Physical Journal C</i> , 2014, 74, 2888.	1.4	30
190	Forward production of $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	30
191	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	30
192	First observation of $B \rightarrow C \bar{P}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.5	29
193	Study of $D \rightarrow K \bar{P}$ and $D \rightarrow K \bar{P}$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	29
194	Measurement of relative branching fractions of B decays to $\psi(2S)$ and J/ψ mesons. <i>European Physical Journal C</i> , 2012, 72, 2118.	1.4	29
195	Measurement of the CKM angle $\hat{\beta}^3$ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	29
196	Measurement of the shape of the $B \rightarrow C \bar{P}$ differential decay rate. <i>Physical Review D</i> , 2017, 96, 1.	1.6	29
197	Near-threshold $D \bar{P}$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	29
198	Measurement of the $B \rightarrow C \bar{P}$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	28

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199	First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
200	Observation of the Decays $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2017, 119, 062001.	2.9	28
201	Studies of the resonance structure in $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
202	Measurement of $B^0 \rightarrow \pi^+ \pi^- K^0$ with $B^0 \rightarrow \pi^+ \pi^- K^0$ and a Measurement of $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2021, 126, 081804.	1.6	28
203	Angular analysis of the rare decay $B^0 \rightarrow \pi^+ \pi^- K^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
204	Observation of $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2017, 119, 062001.	2.9	27
205	First observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2017, 119, 062001.	2.9	27
206	Measurement of $B^0 \rightarrow \pi^+ \pi^- K^0$ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.5	27
207	First Observation of $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2017, 119, 062001.	1.4	27
208	Oscillations in $B^0 \rightarrow \pi^+ \pi^- K^0$ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 72, 1.	2.9	27
209	production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 72, 1.	1.5	26
210	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
211	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
212	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
213	Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26
214	Angular analysis of charged and neutral $B^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
215	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
216	Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25

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217	Observation of the decay $B_c^+ \rightarrow \bar{c} \ell^+ K + K \bar{c} \ell^+ \bar{c} \ell^+$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
218	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
219	Searches for Λ_b^0 and Ξ_b^0 decays to $K_{\text{S}}^0 \pi^0$ and $K_{\text{S}}^0 \pi^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0 \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
220	Evidence for the Strangeness-Changing Weak Decay $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$. Physical Review Letters, 2017, 118, 111803.	2.9	25
221	Observation of the Annihilation Decay Mode $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$. Physical Review Letters, 2017, 118, 111803.	2.9	25
222	Observation of $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$ and $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
223	Measurements of the branching fractions of $B^+ \rightarrow \rho^0 \pi^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
224	Observations of $B^+ \rightarrow \rho^0 \pi^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462.	0.9	24
225	Observation of $B^+ \rightarrow \rho^0 \pi^+ K^+$ decays and Measurement of the $\theta_1(1285)$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
226	Observations of $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$ and $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K + K \bar{c} \ell^+$ decays and searches for other Λ_b^0 and Ξ_b^0 decays to $\bar{c} \ell^+$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
227	Evidence for the Rare Decay $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$. Physical Review Letters, 2017, 118, 111803.	2.9	24
228	Model-independent Observation of Exotic Contributions to $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$ Decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
229	Observation of a new baryon state in the $\Lambda_b^0 \rightarrow \bar{c} \ell^+ K$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
230	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
231	Detection of $\bar{c} \ell^+ \bar{c} \ell^+$ atoms with the DIRAC spectrometer at CERN. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 1929-1946.	1.4	23
232	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
233	Measurement of the Λ_b^0 Baryon Lifetime. Physical Review Letters, 2018, 121, 092003.	2.9	23
234	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2021, 127, 111801.	2.9	23

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236	A model-independent Dalitz plot analysis of $B_{\pm}^{\hat{A}}$ with D^{\pm} . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 43-55.	1.5	22
237	First observations of $B_{\pm}^{\hat{A}} \rightarrow D^{\pm} D^{\pm}$, $D_s^{\pm} D_s^{\pm}$ and $D^0 D^0$ decays. Physical Review D, 2013, 87, .	1.6	22
238	Measurement of the $B_{\pm}^{\hat{A}}$ Asymmetry in $B_{\pm}^{\hat{A}} \rightarrow D^{\pm} D^{\pm}$. Physical Review Letters, 2013, 110, 031801.	2.9	22
239	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
240	Study of $W^{\pm} \rightarrow b \bar{c}$ boson production in association with beauty and charm. Physical Review D, 2015, 92, .	1.6	22
241	Search for Rare $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$ Mixing. Physical Review Letters, 2012, 108, 151801.	2.9	22
242	Observation of $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
243	Search for Rare $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$ Mixing. Physical Review Letters, 2012, 108, 151801.	2.9	21
244	A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
245	Measurement of the properties of the Λ_b^0 baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
246	Observation of the decay $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$ and evidence for $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$. Physical Review Letters, 2017, 95, .	1.6	21
247	Meson Decays to $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$. Physical Review Letters, 2017, 119, 181805.	2.9	21
248	Search for the lepton-flavour violating decays $B^0 \rightarrow \tau^{\pm} e^{\mp} \Lambda_{\pm}^{\hat{A}}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
249	Determination of quantum numbers for several excited charmed mesons observed in $B_{\pm}^{\hat{A}} \rightarrow D^* \tau^{\pm} e^{\mp}$ decays. Physical Review D, 2020, 101, .	1.6	21
250	Observation of a new $B_{\pm}^{\hat{A}} \rightarrow B^{\pm} s^{\pm}$ state. Physical Review D, 2021, 103, .	1.6	21
251	Measurement of the inclusive $B_{\pm}^{\hat{A}}$ cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 95, .	2.9	21
252	Measurement of the inclusive $B_{\pm}^{\hat{A}}$ cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 95, .	1.5	20

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254	Search for CP violation in $B \rightarrow \pi K$ decays. Physical Review D, 2013, 88, .	1.6	20
255	Study of B_c^+ decays to the $K^+ K^0 \pi^+$ final state and evidence for the decay $B_c^+ \rightarrow \pi^+ \rho^0 \pi^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.6	20
256	Study of B_c^+ decays to the $K^+ K^0 \pi^+$ final state and evidence for the decay $B_c^+ \rightarrow \pi^+ \rho^0 \pi^+$. Physical Review D, 2016, 94, .	1.6	20
257	Search for the lepton-flavour violating decay $D^0 \rightarrow \tau^+ e^- \mu^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
258	Measurement of CP observables in $B_{\pm}^0 \rightarrow D^{\pm} K^{\mp}$ and $B_{\pm}^0 \rightarrow D^{\pm} K^{\mp}$ with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	1.5	20
259	Studies of the resonance structure in $B \rightarrow \pi K$ decays. Physical Review D, 2016, 93, .	1.6	20
260	First Experimental Study of Photon Polarization in Radiative B_s^0 Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
261	Measurement of the CP Violation Parameter A_{FB}^0 in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
262	Evidence for the decay $B_s^0 \rightarrow \overline{K}^* \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
263	Measurement of CP asymmetries in two-body $B(s) \rightarrow \pi K$ meson decays to charged pions and kaons. Physical Review D, 2018, 98, . Precision measurement of the $\sin 2\beta$ parameter in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2018, 98, .	1.6	20
264	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow \pi^+ \pi^-$ decays. European Physical Journal C, 2019, 79, 1.	1.6	20
265	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow \pi^+ \pi^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
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267	Measurements of the branching fractions of the decays $B \rightarrow \pi K$ and $B \rightarrow \pi K^*$. Journal of High Energy Physics, 2012, 2012, .	1.6	19
268	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^0 K^0$ and $B_s^0 \rightarrow D^0 K^*$. Physical Review D, 2013, 87, .	1.6	19
269	Resonances and CP violation in $B \rightarrow \pi K$ and $B \rightarrow \pi K^*$ decays in the mass region above the $\overline{D}^*(1020)$. Journal of High Energy Physics, 2017, 2017, 1. First Observation of the Radiative Decay $B \rightarrow \pi K \gamma$. Physical Review Letters, 2019, 123, 031801.	1.6	19
270	Search for CP violation in $B \rightarrow \pi K$ decays. Physical Review Letters, 2019, 123, 031801.	2.9	19

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272	Observation of excited $\Lambda(1520)$ baryons in $\Lambda \rightarrow p \pi^-$ decays. Journal of High Energy Physics, 2011, 2011, 1.	1.6	19
273	Measurement of V0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
274	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, .	1.6	18
275	Measurement of the fraction of $\Lambda(1520)$ originating from $\Lambda(1520) \rightarrow p \pi^-$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
276	Measurement of forward $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
277	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and angular amplitudes. Physical Review Letters, 2017, 119, 221801.	1.5	18
278	$\Lambda(1520)$ and $\Lambda(1520)$ Resonance Parameters with the Decays $\Lambda(1520) \rightarrow p \pi^-$. Physical Review Letters, 2017, 119, 221801.	1.5	18
279	Measurement of the mass and production rate of $\Lambda(1520)$ baryons. Physical Review D, 2019, 99, .	1.6	18
280	Search for Lepton-Flavor Violating Decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2019, 123, 241802.	2.9	18
281	First branching fraction measurement of the suppressed decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2020, 102, .	1.6	18
282	Simultaneous determination of CKM angle β^3 and charm mixing parameters. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
283	Measurement of the effective $B \rightarrow K^* \ell^+ \ell^-$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, .	1.7	17
284	Measurement of the effective $B \rightarrow K^* \ell^+ \ell^-$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, .	1.7	17
285	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 873, 277-297.	0.9	17
286	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 873, 277-297.	0.9	17
287	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 873, 277-297.	2.9	17
288	Observation of $\Lambda(1520) \rightarrow p \pi^-$ and $\Lambda(1520) \rightarrow n \pi^0$ decays and a measurement of the $\Lambda(1520)$ baryon mass. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17

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290	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17
291	Study of charmonium production in B_c^0 hadron decays and first evidence for the decay $B_c^0 \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609.	1.4	17
292	Improved limit on the branching fraction of the rare decay $B_c^0 \rightarrow \mu^+ \mu^- \pi^0$. European Physical Journal C, 2017, 77, 678.	1.4	17
293	Observation of the $B_c^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
294	Measurement of the B_c^0 production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
295	Search for the rare decay $B_c^0 \rightarrow \pi^+ \pi^- \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.6	17
296	Measurement of $B_c^0 \rightarrow \pi^+ \pi^- \pi^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. European Physical Journal C, 2017, 77, 609.	1.6	17
297	Measurement of the B_c^0 production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
298	Measurement of the B_c^0 lifetime in the $B_c^0 \rightarrow \pi^+ \pi^- \pi^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.		

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308	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. <i>Physical Review Letters</i> , 2014, 113, 082003.	2.9	15
309	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^0$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	15
310	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^0$ in the $K_S^0(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	15
311	Measurement of $B \rightarrow D^* \rho^0$ and $B \rightarrow D^* \omega$ decays. <i>Physical Review Letters</i> , 2017, 119, 101801.	2.9	15
312	Observation of the suppressed decay $B^0 \rightarrow \rho^0 \rho^0$. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.5	15
313	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \bar{p}$. <i>Physical Review Letters</i> , 2017, 119, 232001.	2.9	15
314	Search for excited B_c^+ states. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	15
315	Measurement of CP observables in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 \bar{K}^0$ decays. <i>Physics Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.3	15
316	Measurement of the Charm-Mixing Parameter γ_{CP} . <i>Physical Review Letters</i> , 2019, 122, 011802.	2.9	15
317	Variation with Proton-Proton Collision Energy and $B \rightarrow D^* \rho^0$ decays. <i>Physical Review Letters</i> , 2020, 124, 122002.	2.9	15
318	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^+ \mu^-$, $W^+ \rightarrow \mu^+ \mu^+ \mu^- + \text{jet}$ decays. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	15
319	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow D^0 \rho^0$ decay. <i>Physical Review Letters</i> , 2021, 126, 122002.	1.5	14
320	Search for CP violation in $D^+ \rightarrow \rho^+ \rho^0$ and $D_s^+ \rightarrow K_S^0 \rho^+$ decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	14
321	Study of $B_{(s)}^0 \rightarrow K_S^0 h^+ h^{\prime -}$ decays with first observation of $B_{(s)}^0 \rightarrow K^+ \rho^- \pi^0$ and $B_{(s)}^0 \rightarrow K^+ \rho^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, .	1.6	14
322	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7$ TeV using tau final states. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	14
323	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_\tau) / B(B_c \rightarrow \tau^+ \nu_\tau)$. <i>Physical Review D</i> , 2015, 92, .	1.6	14
324	Observation of the $B \rightarrow D^* \rho^0$ decay. <i>Physics Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14

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326	First Observation of a Baryonic B_c^0 Decaying to $B^0 \pi^0$. Physical Review Letters, 2017, 119, 041802.	1.6	14
327	A measurement of the CP asymmetry difference between $B_c^+ \rightarrow K^+ \pi^0$ and $B_c^+ \rightarrow K^+ \pi^+$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
328	Measurement of the CKM angle $\hat{\beta}_3$ using $B_c^\pm \rightarrow DK_c^\pm$ with $D_c^\pm \rightarrow K^* \pi^\pm$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
329	Amplitude Analysis of the Decay $B_c^0 \rightarrow K^* \pi^0$ and First Observation of the CP Asymmetry in $B_c^0 \rightarrow K^*(892) \pi^+$. Physical Review Letters, 2018, 120, 261801.	2.9	14
330	Prompt $\tilde{\chi}+c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
331	Constraints on the $K_S^0 \rightarrow K^+ S^-$ Branching Fraction. Physical Review Letters, 2020, 125, 231801.	2.9	14
332	Search for CP violation in $\chi_{c1}^+ \rightarrow p K^+ \pi^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
333	Measurement of the Ratio of Branching Fractions $\frac{B(B_c^+ \rightarrow K^+ \pi^0)}{B(B_c^+ \rightarrow K^+ \pi^+)}$. Physical Review Letters, 2020, 125, 231801.	1.4	14

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344	Measurement of the mass and lifetime of the Λ_b^0 baryon. Physical Review D, 2016, 93, 072002.	1.6	13
345	Measurement of the branching fraction of $B^0 \rightarrow D^+ D_s^-$ from Dalitz plot analysis of $B^0 \rightarrow D^+ D_s^- K^0$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
346	Study of $D_{s1}^*(\Lambda^0)$ mesons decaying to $D^+ K^0 S^0$ and $D^0 K^+ S^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
347	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
348	First observation of the decay $D^0 \rightarrow K^+ K^- S^0$ in the 10σ region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	1.5	13
349	Measurement of $B_0 \rightarrow B^+ B^-$ and $B_0 \rightarrow B^0 B^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 130-136.	1.5	13
350	Measurement of CP asymmetry in $B_0 \rightarrow K^+ K^- D^+ D^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.6	1.6	13
351	Measurement of CP asymmetry in $B_0 \rightarrow K^+ K^- D^+ D^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	1.5	13
352	Measurement of J/ψ production in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
353	Measurement of angular and asymmetries in $B^0 \rightarrow C^+ P^-$ decays. Physical Review Letters, 2018, 121, 091801.	2.9	13
354	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \tau^-$, using B_{s2}^0 decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
355	Search for the doubly heavy Ξ_{bc}^0 baryon via decays to $D^0 p K^+$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
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357	Studies of the decays $B^+ \rightarrow p \bar{h}$ and observation of $B^+ \rightarrow \bar{\Lambda}^0(1520) p$. Physical Review D, 2013, 88, .	1.6	12
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366	Measurement of the $B \rightarrow B^0 K^0$ meson production fraction and asymmetry in 7 and 13 TeV pp collisions. Physical Review D, 2019, 100, .	1.6	12
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410	Search for CP Violation in $D_s \hat{a} \hat{t} \hat{K} \hat{S} \hat{0} \hat{K}^0$, $D \hat{a} \hat{t} \hat{K} \hat{S} \hat{0} \hat{K}^0$, and $D \hat{a} \hat{t} \hat{K} \hat{S} \hat{0} \hat{K}^0$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
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418	Search for the rare decays $B \rightarrow D^* K^* \mu^+ \mu^-$ and $B_s \rightarrow D^* K^* \mu^+ \mu^-$. Physical Review D, 2015, 92, .	1.6	8
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434	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle$ Observation of $B \rightarrow \bar{c} \ell \nu$ and $B \rightarrow \bar{c} \ell \nu$. European Physical Journal C, 2017, 77, 72.	1.5	7
435	Observation of $B \rightarrow \bar{c} \ell \nu$ and $B \rightarrow \bar{c} \ell \nu$. European Physical Journal C, 2017, 77, 72.	1.4	7
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455	Measurement of the CP-violating phase ϕ from $B^0 \rightarrow K^0 K^0$ decays. Physics Letters, 2019, 2019, .	1.5	6
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490	Measurement of the relative $B \rightarrow D^0 D^{*0} \pi^+ \pi^-$ branching fractions using $B \rightarrow D^0 \pi^+ \pi^-$ mesons from $B \rightarrow D^0 \pi^+ \pi^-$ decays. Physical Review D, 2019, 99, .	1.6	3
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492	Measurement of the branching fraction of the decay $B \rightarrow D^0 \pi^+ \pi^-$. First observation of the decay $B \rightarrow D^0 \pi^+ \pi^-$. $B \rightarrow D^0 \pi^+ \pi^-$	1.6	3
493	Measurement of the CP asymmetry in $B \rightarrow D^0 \pi^+ \pi^-$ decays. $B \rightarrow D^0 \pi^+ \pi^-$	1.6	3
494	First observation of forward $Z \rightarrow b \bar{b}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
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507	Observation of the decay $\Lambda_b^0 \rightarrow \pi^+ \pi^- K^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
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