

Paolo Gandini

List of Publications by Year in descending order

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Version: 2024-02-01

416
papers

22,338
citations

9786

73
h-index

13771

129
g-index

420
all docs

420
docs citations

420
times ranked

8831
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Observation of $B \rightarrow K^* \ell^+ \ell^-$	7.8	845
2	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$	7.8	816
3			



#	ARTICLE	IF	CITATIONS
19	Prompt charm production in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 108, 231801.	2.5	228
20	Measurement of the branching fraction of the decay $B \rightarrow D^* K^0$. Physical Review Letters, 2013, 111, 161802.	7.8	220
21	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	206
22	Angular analysis and differential branching fraction of the decay $B \rightarrow D^* K^0$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	191
23	Evidence for violation in Time-Integrated CP Violation in $B \rightarrow D^* K^0$. Physical Review Letters, 2012, 108, 231801.	7.8	181
24	Strong Constraints on the Rare Decays $B \rightarrow D^* K^0$. Physical Review Letters, 2012, 108, 231801.	7.8	160
25	Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	153
26	Search for Hidden Sector Bosons in $B \rightarrow D^* K^0$. Physical Review Letters, 2015, 115, 161802.	7.8	150
27	Search for Hidden Sector Bosons in $B \rightarrow D^* K^0$. Physical Review Letters, 2015, 115, 161802.	7.8	138
28	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	3.9	137
29	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	1.2	127
30	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	4.1	123
31	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	3.9	117
32	Measurement of $B \rightarrow D^* K^0$ hadron production fractions in 7 TeV collisions. Physical Review D, 2012, 85, 012005.	4.7	116
33	Evidence for the decay $B \rightarrow D^* K^0$. Physical Review Letters, 2012, 108, 231801.	4.1	115
34	Evidence for the decay $B \rightarrow D^* K^0$. Physical Review Letters, 2012, 108, 231801.	2.5	114
35	Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801.	7.8	113
36	Differential branching fraction and angular analysis of the decay $B \rightarrow D^* K^0$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	111

#	ARTICLE	IF	CITATIONS
37	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	3.6	111
38	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	1.2	110
39	Evidence for Exotic Hadron Contributions to J/ψ Production in pp Collisions at $\sqrt{s}=7\text{ TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	7.8	110
40	Measurement of the J/ψ production cross-section in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	7.8	108
41	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 2025.	3.9	106
42	Search for Majorana Neutrinos in $B \rightarrow J/\psi \ell \bar{\ell}$ Decays. Physical Review Letters, 2014, 112, 131802.	7.8	106
43	First Observation of J/ψ Production in $B \rightarrow J/\psi \ell \bar{\ell}$ Decays of $B \rightarrow J/\psi \ell \bar{\ell}$. Physical Review Letters, 2013, 110, 231601.	7.8	105
44	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	16.7	105
45	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	3.6	104
46	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.	4.7	103
47	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow J/\psi \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	103
48	Model-Independent Evidence for J/ψ Contributions to $B \rightarrow J/\psi \ell \bar{\ell}$ Decays. Physical Review Letters, 2013, 111, 181801.	7.8	102
49	Measurement of J/ψ Production in $B \rightarrow J/\psi \ell \bar{\ell}$ Decays of $B \rightarrow J/\psi \ell \bar{\ell}$. Physical Review Letters, 2013, 111, 181801.	7.8	101
50	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	100
51	Differential branching fraction and angular analysis of the decay $B \rightarrow J/\psi \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	99
52	Observation of Excited J/ψ Production in $B \rightarrow J/\psi \ell \bar{\ell}$ Decays. Physical Review Letters, 2012, 109, 172003.	7.8	98
53	Amplitude analysis of $B \rightarrow J/\psi \ell \bar{\ell}$ decays. Physical Review D, 2017, 95, ...	4.7	92
54	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.	4.7	89

#	ARTICLE	IF	CITATIONS
55	Measurement of $\tilde{\chi}^0(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2100.	3.9	83
56	Study of D J meson decays to $D + \tilde{\chi}^0$, $D + \tilde{\chi}^+$ and $D + \tilde{\chi}^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	4.7	82
57	Measurement of the $B \rightarrow D \tilde{\chi}^0$ branching fraction and angular analysis of $B \rightarrow D \tilde{\chi}^0$ decays. Journal of High Energy Physics, 2015, 2015, .	7.8	82
58	Differential branching fraction and angular analysis of $B \rightarrow D \tilde{\chi}^0$ decays. Journal of High Energy Physics, 2015, 2015, .	4.7	82
59	Observation of Overlapping Spin-1 and Spin-3 mesons. Physical Review Letters, 2014, 113, 162001.	7.8	81
60	Search for long-lived scalar particles in $B \rightarrow D \tilde{\chi}^0$ decays. Physical Review Letters, 2014, 113, 162001.	7.8	80
61	Search for long-lived scalar particles in $B \rightarrow D \tilde{\chi}^0$ decays. Physical Review Letters, 2014, 113, 162001.	4.7	80
62	Search for Structure in the $B \rightarrow D \tilde{\chi}^0$ decay. Physical Review Letters, 2014, 112, 011801.	4.7	79
63	Violation in the Phase Space of $B \rightarrow D \tilde{\chi}^0$ decays. Physical Review Letters, 2014, 112, 011801.	7.8	78
64	Search for Structure in the $B \rightarrow D \tilde{\chi}^0$ decay. Physical Review Letters, 2016, 117, 152003.	7.8	78
65	Particle and High-Energy Physics, 2011, 698, 115-122.	4.7	78
66	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	3.7	77
67	Observation of CP violation in $B \rightarrow D \tilde{\chi}^0$ decays. Physical Review Letters, 2012, 109, 132001.	7.8	75
68	Decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	4.7	75
69	Measurements of the S-wave fraction in $B \rightarrow D \tilde{\chi}^0$ decays and the $B \rightarrow D \tilde{\chi}^0$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	4.7	75
70	Measurement of $B \rightarrow D \tilde{\chi}^0$ violation and the $B \rightarrow D \tilde{\chi}^0$ decay width difference with $B \rightarrow D \tilde{\chi}^0$ decays. Physical Review Letters, 2012, 109, 132001.	4.7	74
71	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	74
72	Measurement of resonant and components in $B \rightarrow D \tilde{\chi}^0$ decays. Physical Review Letters, 2012, 109, 132001.	4.7	73

#	ARTICLE	IF	CITATIONS
73	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		

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91	Determination of the Sign of the Decay Width Difference in the B_s System. <i>Physical Review Letters</i> , 2012, 108, 241801.	7.8	61
92	Measurement of B_c in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2015, 114, 132001.	7.8	61
93	Analysis of the resonant components in B_c decays. <i>Journal of High Energy Physics</i> , 2011, 699, 330-340.	4.1	60
94	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.	4.7	60
95	Precision measurement of the B_{s0} oscillation frequency with the decay $B_{s0} \rightarrow D^+ D^-$. <i>New Journal of Physics</i> , 2013, 15, 053021.	2.9	59
96	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, .	4.7	59
97	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 241-248.	4.1	58
98	Opposite-side flavour tagging of B mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012, 72, 2022.	3.9	58
99	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , 2012, 2012, .	4.7	56
100	Observation of a Resonance in B_c Decays. <i>Physical Review Letters</i> , 2011, 107, 081801.	7.8	55
101	Observation of B_c decays into charmless hadrons. <i>Physical Review Letters</i> , 2011, 107, 081801.	7.8	55
102	Measurement of B_c decay amplitudes and the B_c lifetime. <i>Physical Review Letters</i> , 2013, 724, 27-35.	4.1	54
103	Study of the $D^0 \rightarrow p \bar{b}^0$ amplitude in $\hat{b}^0 \rightarrow D^0 \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2017, 2017, 14.7		54
104	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017, 77, 224.	3.9	54
105	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	53
106	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 2872.	3.9	53
107	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	52

#	ARTICLE	IF	CITATIONS
109	Measurement of the exclusive Υ production cross-section in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
110	Measurement of the b -Quark Production Cross Section in 7 and 13 TeV pp Collisions. Physical Review Letters, 2017, 118, 052002.	7.8	52
111	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^* \rho^0$ decay. European Physical Journal C, 2017, 77, 161.	7.8	51
112	Differential Branching Fraction and Angular Analysis of the Decay $B \rightarrow K^* \rho^0$. Physical Review Letters, 2012, 108, 181806.	3.9	51
113	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	7.8	50
114	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
115	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
116	Precision measurement of the ratio of the b to c quark production cross-sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2012, 108, 201601.	4.1	50
117	First observation and amplitude analysis of the $B \rightarrow K^* \rho^0$ decay. Physical Review Letters, 2012, 108, 201601.	4.7	50
118	First Evidence of Direct CP Violation in Charmless Two-Body Decays of $B \rightarrow K^* \rho^0$. Physical Review Letters, 2012, 108, 201601.	7.8	49
119	Searches for Majorana neutrinos in $B \rightarrow \tau \nu$ decays. Physical Review D, 2012, 85, .	4.7	49
120	Measurements of long-range near-side angular correlations in pp and pA collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	4.1	49
121	Measurement of the $B \rightarrow K^* \rho^0$ decay. Physical Review Letters, 2012, 108, 201601.	4.7	49

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127	Study of prompt D^0 meson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
128	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	3.9	44
129	Measurement of $C\bar{C}$ and $C\bar{C}P$ asymmetries in $B^0 \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review Letters, 2014, 113, 242002.	7.8	42
130	Study of χ_{c1} \rightarrow b meson production in $p\bar{p}$ collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2014, 74, .	3.9	43
131	Measurement of the $B_c^+ \rightarrow \mu^+ \nu_\mu$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu \psi(3770)$. European Physical Journal C, 2014, 74, 2839.	3.9	43
132	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	1.2	42
133	Measurement of the Difference of Time-Integrated $C\bar{C}$ and $P\bar{P}$ Asymmetries in $B^0 \rightarrow D^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2014, 113, 242002.	7.8	42
134	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	1.2	41
135	First observation of the decay $B_c^+ \rightarrow \mu^+ \nu_\mu \psi(3770)$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	41
136	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	3.9	41
137	Measurement of the CP-violating phase $\arg(V_{cb} V_{cs}^*)$ in $B^0 \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review Letters, 2012, 108, 101601.	4.1	40
138	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \tau^- e^+ e^-$ and $B \rightarrow \tau^+ \tau^- \mu^+ \mu^-$. Physical Review Letters, 2012, 108, 101601.	7.8	39
139	Precision Measurement of the Mass and Lifetime of the B_c^+ Meson. Physical Review Letters, 2014, 113, 242002.	7.8	39
140	Study of the kinematic dependences of $\hat{\Gamma}(b \rightarrow 0)$ production in pp collisions and a measurement of the $\hat{\Gamma}(b \rightarrow 0) \rightarrow c$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
141	Study of J/ψ production in jets. Physical Review Letters, 2017, 118, 192001.	7.8	39
142	Search for $D^0 \rightarrow \tau^+ \tau^- e^+ e^-$ and $D^0 \rightarrow \tau^+ \tau^- \mu^+ \mu^-$. Physical Review Letters, 2014, 113, 242002.	4.1	38
143	Measurements of the $C\bar{C}$ and $P\bar{P}$ Asymmetries in $B^0 \rightarrow D^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2014, 113, 242002.	4.1	38
144	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^- \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37

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145	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.	4.7	37
146	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.	4.1	37
147	First observation of the decay $B \rightarrow \bar{c} \ell \nu$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
148	Measurement of the relative rate of prompt c_0 , c_1 and c_2 production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	36
149	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{c} \ell \nu$. Physical Review D, 2013, 87, .	4.7	36
150	Precision Measurement of the Mass and Lifetime of the Λ_b Baryon. Physical Review Letters, 2014, 113, 032001.	7.8	36
151	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2015, 2015, .	4.7	36
152	Measurement of the CKM angle β from a combination of $B \rightarrow \bar{c} \ell \nu$ and $B \rightarrow \bar{c} \ell \nu$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	4.0	35
153	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{c} \ell \nu$. Evidence for the decay $B \rightarrow \bar{c} \ell \nu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 253-255.	4.1	35
154	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{c} \ell \nu$ and measurement of the relative branching fractions of $B \rightarrow \bar{c} \ell \nu$ and $B \rightarrow \bar{c} \ell \nu$. Precision Measurement of the Λ_b Baryon Lifetime. Physical Review Letters, 2013, 111, 102003.	2.5	35
155	Precision Measurement of the Λ_b Baryon Lifetime. Physical Review Letters, 2013, 111, 102003.	2.5	35
156	Observation of the $\Lambda_b \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
157	Model-independent confirmation of the $\Lambda_b \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2015, 2015, .	4.7	35
158	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	4.7	35
159	Measurement of the CP violating phase β . Journal of High Energy Physics, 2013, 2013, .	4.1	34
160	Measurement of the CP violating phase β . Journal of High Energy Physics, 2013, 2013, .	4.1	34
161	Measurement of the CP violating phase β . Journal of High Energy Physics, 2013, 2013, .	4.1	34
162	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.	4.7	34

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163	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.	4.7	34
164	Measurement of the CP-violating phase α_1 . Search for direct CP violation in $B \rightarrow A$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 33-43.	4.1	33
165	Search for the rare decay $B \rightarrow D$ and $B \rightarrow D$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	4.1	33
166	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.	4.1	33
167	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.	4.7	33
168	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
169	Search for the rare decays $B \rightarrow B^0 \tau^+ \tau^-$ and $B \rightarrow B^0 S^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	4.7	32
170	Search for the Lepton-Flavor-Violating Decays $B \rightarrow B^0 \tau^+ \tau^-$ and $B \rightarrow B^0 S^0$. Physical Review Letters, 2013, 111, 141803.	4.7	32
171	Observation of the decay $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2013, 87, .	4.7	32
172	Search for the lepton flavour violating decay $B \rightarrow B^0 \tau^+ \tau^-$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	32
173	Measurement of the ratio of $B \rightarrow B^0 \tau^+ \tau^-$ fractions to $B \rightarrow B^0 \tau^+ \tau^-$. Studies of beauty baryon decays to $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2014, 89, .	4.7	31
174	Search for violations of Lorentz invariance and $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2015, 91, 074011.	4.1	31
175	Search for violations of Lorentz invariance and $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2015, 91, 074011.	7.8	31
176	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	3.9	30
177	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
178	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
179	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
180	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30

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181	Measurement of charged particle multiplicities and densities in $\sqrt{s} = 7$ TeV pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	3.9	30
182	Amplitude analysis of $B \rightarrow D K$ decays. Physical Review D, 2015, 92, 074017.	4.7	30
183	Violation in $B \rightarrow D K$ decays. Physical Review Letters, 2015, 115, 031601.	7.8	30
184	Forward production of Υ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
185	Angular analysis of the $B \rightarrow K^* e^+ e^-$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
186	Study of D_s decays to $D^* K^* \rightarrow D^* K^* + \text{final states}$ in pp collisions. Journal of High Energy Physics, 2012, 2012, .	4.1	29
187	Study of D_s decays to $D^* K^* \rightarrow D^* K^* + \text{final states}$ in pp collisions. Journal of High Energy Physics, 2012, 2012, .	4.7	29
188	Measurement of relative branching fractions of B decays to $\Upsilon(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	3.9	29
189	Measurement of the lifetime of the B_c meson. Physical Review Letters, 2016, 116, 021801.	7.8	29
190	Measurement of the CKM angle β from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
191	Determination of B_c meson lifetime. Physical Review Letters, 2016, 116, 021801.	7.8	28
192	Collisions and Measurement of the $B \rightarrow D K$ decays. Physical Review Letters, 2011, 107, 211801.	4.7	28
193	Measurement of the $B \rightarrow D K^* \rightarrow D K^* + \text{final states}$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
194	First measurement of time-dependent CP violation in $B_s \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
195	First Observation of a Baryonic B_c Decay. Physical Review Letters, 2014, 113, 152003.	7.8	28
196	Observation of the Decays $B \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$ and $B \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$. Physical Review Letters, 2017, 119, 062001.	7.8	28
197	First observation of the decay $B \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$ for $B \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$. Physical Review Letters, 2017, 119, 062001.	7.8	27
198	First observation of the decay $B \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$ for $B \rightarrow D^* K^* \rightarrow D^* K^* + \text{final states}$. Physical Review Letters, 2017, 119, 062001.	4.1	27

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199	Measurement of CP violation and constraints on the CKM angle $\hat{\beta}^3$ in $B^{\pm} \rightarrow DK^{\pm}$ decays. Nuclear Physics B, 2014, 888, 169-193. Evidence for $B^{\pm} \rightarrow DK^{\pm}$ decays. $\hat{\beta}^3$ in $B^{\pm} \rightarrow DK^{\pm}$ decays. Nuclear Physics B, 2014, 888, 169-193.	2.5	27
200	Violation in $B^{\pm} \rightarrow DK^{\pm}$ decays. Nuclear Physics B, 2014, 888, 169-193.	7.8	27
201	Measurement of $B^{\pm} \rightarrow DK^{\pm}$ decays. Nuclear Physics B, 2014, 888, 169-193.	3.9	27
202	Oscillations in $B^{\pm} \rightarrow DK^{\pm}$ decays. Nuclear Physics B, 2014, 888, 169-193.	7.8	27
203	production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	4.1	26
204	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	26
205	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
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208	Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	4.7	26
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222	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
223	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
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236	Observation of $B^0 \rightarrow B^0 s$ decays. <i>Physical Review Letters</i> , 2012, 108, 151801.	7.8	21
237	Search for CP violation in $B \rightarrow B^0 s$ decays. <i>Physical Review Letters</i> , 2012, 108, 151801.	7.8	21
238	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	21
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241	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016, 2016, .	4.7	21
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243	Meson Decays to $B^0 s$ and $B^0 s$. <i>Physical Review Letters</i> , 2017, 119, 101805.	7.8	21
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245	Measurement of the inclusive π^0 cross-section in pp collisions at $\sqrt{s} = 13.6$ TeV. <i>Physical Review Letters</i> , 2018, 121, 022001.	4.1	20
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247	First observation of $B \rightarrow B^0 s$ and search for $B \rightarrow B^0 s$ asymmetries. <i>Physical Review Letters</i> , 2014, 112, 041801.	7.8	20
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258	Measurements of the branching fractions of the decays $B_{s^0} \rightarrow D_{s^0} \mu^+ \mu^- K^+ K^-$ and $B_{s^0} \rightarrow D_{s^0} \mu^+ \mu^- K^+ K^-$. Journal of High Energy Physics, 2012, 2012, .	4.7	19
259	First Measurement of the $C \rightarrow P$ -Violating Phase in $B \rightarrow K^+ K^- S^0$. Physical Review Letters, 2013, 110, 241802.	7.8	19
260	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^0 K^+ K^-$ and $B^0 \rightarrow D^0 K^+ K^-$. Physical Review D, 2013, 87, .	4.7	19
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266	Measurement of $C \rightarrow P$ violation in $B \rightarrow K^+ K^- S^0$ decays. Physical Review D, 2014, 90, .	4.7	18
267	Measurement of forward $W^+ e^{1/2}$ production in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
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272	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 373, 175-202.	2.5	17
273	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 373, 175-202.	2.5	17
274	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 373, 175-202.	2.5	17
275	Measurement of the polarization amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2013, 373, 175-202.	2.5	17
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279	Observation of $\bar{B}^0 \rightarrow \bar{B}^0 \ell^+ \ell^-$ (2S) $\rho^+ K^+$ and $\bar{B}^0 \rightarrow \bar{B}^0 \ell^+ \ell^-$ ($\rho^+ K^+$) decays and a measurement of the $\bar{B}^0 \rightarrow \bar{B}^0$ baryon number violation. Journal of High Energy Physics, 2016, 2016, 1. First study of the CP-violating phase and decay-width difference in $B \rightarrow K^* \ell^+ \ell^-$	4.7	17
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281	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.	4.1	17
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284	Measurement of the B_{\pm}^0 production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	4.7	17
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293	Measurement of CP violation parameters and polarisation fractions in $B \rightarrow \tau \nu$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
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295	Measurement of $B \rightarrow \tau \nu$ and $B \rightarrow \tau \nu$ Meson Lifetimes. Physical Review Letters, 2017, 119, 101801.	7.8	15
296	Observation of the suppressed decay $B \rightarrow \tau \nu$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
297	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \tau \nu$. Physical Review Letters, 2017, 119, 232001.	7.8	15
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299	Measurement of CP observables in $B \rightarrow \tau \nu$ and $B \rightarrow \tau \nu$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	4.1	15
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301	Search for CP violation in $D \rightarrow \tau \nu$ and $D_s \rightarrow \tau \nu$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
302	Study of $B \rightarrow K^* \tau \nu$ decays with first observation of $B \rightarrow K^* \tau \nu$ and $B \rightarrow K^* \tau \nu$. Journal of High Energy Physics, 2013, 2013, .	4.7	14
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304	Measurement of $B \rightarrow \tau \nu$ violation parameters in $B \rightarrow \tau \nu$ decays. Physical Review D, 2014, 90, .	4.7	14
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326	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow D^* K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	13
327	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	13
328	Observation of the decay $B^0 \rightarrow D^* K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 747, 484-494.	4.1	13
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331	Measurement of the ratio of branching fractions $\hat{\Gamma}^2(B^0 \rightarrow D^* K^0) / \hat{\Gamma}^2(B^0 \rightarrow D^* K^0)$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	13
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333	Study of $D^0 \rightarrow D^* K^0$ from Dalitz plot analysis of $D^0 \rightarrow D^* K^0$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	13
334	Study of $D^0 \rightarrow D^* K^0$ mesons decaying to $D^0 \rightarrow K^0 K^0$ and $D^0 \rightarrow K^0 K^0$ final states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	13
335	Model-independent measurement of mixing parameters in $D^0 \rightarrow D^* K^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, .	4.7	13
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349	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
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353	Search for the decay $B^0 \rightarrow D^+ K^- \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	4.7	11
354	Measurement of the $B_s^0 \rightarrow K^+ K^- \pi^0$ branching fraction and search for the decay $B^0 \rightarrow K^+ \pi^-$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
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363	Search for CP violation in the phase space of $D^0 \rightarrow \Lambda^0 p$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	4.1	10
364	Evidence for the two-body charmless baryonic decay $B \rightarrow \Lambda^0 p$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
365	Study of $\overline{b}b$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
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