

Domenico Galli

List of Publications by Year in descending order

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Version: 2024-02-01

659
papers

29,114
citations

7551

77
h-index

10127

140
g-index

674
all docs

674
docs citations

674
times ranked

9394
citing authors

#	ARTICLE	IF	CITATIONS
1	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08005-S08005.	0.5	969
2	Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Decays Physical Review Letters, 2014, 113, 151601. http://www.w3.org/1998/Math/MathML	2.9	845
3	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$ Measurement of the Ratio of Branching Fractions R_{B^0} $B \rightarrow K^* \ell^+ \ell^-$	2.9	816
4			

#	ARTICLE	IF	CITATIONS
19	Observation of Five New Narrow States Decaying to Measurement of the Ratio of Branching Fractions	2.9	234
20			

#	ARTICLE	IF	CITATIONS
37	Measurement of $\langle \sigma_{\text{had}} \rangle$ pair production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.5	123
38	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{\prime\prime} \rightarrow \Lambda_c^+ \Lambda_c^+ \Lambda_c^+$. Physical Review Letters, 2020, 125, 242001.	2.9	122
39	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	4.3	121
40	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
41	Amplitude analysis of the $B \rightarrow D^* \Lambda_c^+$ decay. Physical Review D, 2020, 102, 034005.	1.6	117
42	Measurement of hadron production fractions in 7 TeV collisions. Physical Review D, 2012, 85, 034005.	1.6	116
43	Evidence for the decay $B \rightarrow K^* \Lambda_c^+$. Journal of High Energy Physics, 2013, 2013, 1.	1.5	115
44	Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801.	0.9	114
45	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \Lambda_c^+$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
46	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	1.4	111
47	Model-Independent Study of Structure in $B \rightarrow D^* \Lambda_c^+$ Decays. Physical Review Letters, 2020, 125, 242001.	2.9	111
48	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
49	Evidence for Exotic Hadron Contributions to $B \rightarrow D^* \Lambda_c^+$ Decays. Physical Review Letters, 2020, 125, 242001.	2.9	110
50	Search for Majorana Neutrinos in $B \rightarrow K^* \Lambda_c^+$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	108
51	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
52	Search for Majorana Neutrinos in $B \rightarrow K^* \Lambda_c^+$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
53	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow C^* \Lambda_c^+$. Physical Review Letters, 2013, 110, 221601.	2.9	105

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55	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
56	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104
57	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
58	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell \ell'$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
59	Measurement of C and P violation in the Phase Space of $B \rightarrow \bar{c} \ell \ell'$. Contributions to the 14th International Conference on Heavy Quark Physics, 2013, 1, 102.	2.9	102
60	Violation in the Phase Space of $B \rightarrow \bar{c} \ell \ell'$. Physical Review Letters, 2013, 111, 101801.	2.9	101
61	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
62	Dalitz plot analysis of $B \rightarrow \bar{c} \ell \ell'$. Physical Review Letters, 2012, 109, 172003.	1.6	99
63	Observation of Excited Λ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98
64	Angular Analysis of the $B \rightarrow \bar{c} \ell \ell'$ Decay. Physical Review Letters, 2011, 106, 161802.	2.9	96
65	Amplitude analysis of $B \rightarrow \bar{c} \ell \ell'$ and $B \rightarrow \bar{c} \ell \ell'$. Physical Review Letters, 2011, 106, 161802.	2.9	93
66	Amplitude analysis of $B \rightarrow \bar{c} \ell \ell'$. Physical Review D, 2017, 95, .	1.6	92
67	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
68	Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
69	Study of D meson decays to $D \rightarrow \bar{c} \ell \ell'$, $D \rightarrow \bar{c} \ell \ell'$ and $D \rightarrow \bar{c} \ell \ell'$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
70	Measurement of the $B \rightarrow \bar{c} \ell \ell'$ and $B \rightarrow \bar{c} \ell \ell'$ decays. Journal of High Energy Physics, 2013, 2013, 1.	2.9	82
71	Differential branching fraction and angular analysis of $B \rightarrow \bar{c} \ell \ell'$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
72	Search for the Decays $B \rightarrow \bar{c} \ell \ell'$ and $B \rightarrow \bar{c} \ell \ell'$. Physical Review Letters, 2017, 118, 251802.	2.9	81

#	ARTICLE	IF	CITATIONS
73	Observation of Overlapping Spin-1 and Spin-3 Dalitz plot analysis of Physical Review D, 2015, 92, Measurement of Physical Review Letters, 2014, 112, 011801.	2.9	80
74	Search for Structure in the Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	1.6	80
75	First observation of Particle and High-Energy Physics, 2011, 698, 115-122.	1.6	79
76	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	2.9	78
77	Observation of a New Resonance. Physical Review Letters, 2018, 121, 072002.	2.9	78
78	Measurement of the Lifetime of the Doubly Charmed Baryon and Mass with the Observation of CP violation in decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	2.9	78
79	Measurements of the S-wave fraction in B 0 $\hat{\pi}^+ K + \hat{\pi}^- \hat{\pi}^+ \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^- \hat{\pi}^-$ decays and the B 0 $\hat{\pi}^+ K \hat{\pi}^- (892) 0 \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^-$ differential branchi. Journal of High Energy Physics, 2016, 2016, 1.	1.5	77
80	Measurement of resonant and violation and the decay width difference with 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.	2.9	77
81	Measurement of CP violation in decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	2.9	76
82	Measurements of the S-wave fraction in B 0 $\hat{\pi}^+ K + \hat{\pi}^- \hat{\pi}^+ \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^- \hat{\pi}^-$ decays and the B 0 $\hat{\pi}^+ K \hat{\pi}^- (892) 0 \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^-$ differential branchi. Journal of High Energy Physics, 2016, 2016, 1.	2.9	75
83	Measurement of resonant and violation and the decay width difference with 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.	1.6	74
84	Measurement of CP violation in decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	74
85	Measurements of the S-wave fraction in B 0 $\hat{\pi}^+ K + \hat{\pi}^- \hat{\pi}^+ \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^- \hat{\pi}^-$ decays and the B 0 $\hat{\pi}^+ K \hat{\pi}^- (892) 0 \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^-$ differential branchi. Journal of High Energy Physics, 2016, 2016, 1.	1.6	73
86	Measurement of resonant and violation and the decay width difference with 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.	1.6	73
87	Measurement of CP violation in decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	73
88	Measurements of the S-wave fraction in B 0 $\hat{\pi}^+ K + \hat{\pi}^- \hat{\pi}^+ \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^- \hat{\pi}^-$ decays and the B 0 $\hat{\pi}^+ K \hat{\pi}^- (892) 0 \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^-$ differential branchi. Journal of High Energy Physics, 2016, 2016, 1.	1.6	73
89	Measurement of resonant and violation and the decay width difference with 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.	1.6	73

#	ARTICLE	IF	CITATIONS
91	Observation of the Decay $B_c \rightarrow D_s^* \gamma$. Physical Review Letters, 2013, 111, 181801.	2.9	72
92	Amplitude analysis of $B_c \rightarrow D_s^* \gamma$. Physical Review D, 2016, 94, .		
93	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \sqrt{13}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	71
94	Quantum numbers of the $X(3872)$. Physical Review Letters, 2016, 96, 012001.	1.6	69
95	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
96	Measurement of the resonant and non-resonant components in $B_c \rightarrow D_s^* \gamma$. Physical Review Letters, 2016, 96, 012001.	1.6	67
97	$p\bar{p}$ annihilation cross section at very low energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 77-85.	1.5	66
98	Study of the lineshape of the $B_c \rightarrow D_s^* \gamma$. Physical Review Letters, 2016, 96, 012001.	1.6	66
99	Analysis of the resonant components in $B_c \rightarrow D_s^* \gamma$. Physical Review Letters, 2016, 96, 012001.	1.6	65
100	Search for the $B_c \rightarrow D_s^* \gamma$. Physical Review Letters, 2016, 96, 012001.	1.6	65
101	Measurement of the isospin asymmetry in $B_c \rightarrow D_s^* \gamma$ decays. Journal of High Energy Physics, 2012, 2012, 165		
102	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
103	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
104	Observation of $D^0 \rightarrow D^* \gamma$. Physical Review Letters, 2013, 110, 011802.	2.9	65
105	Measurements of $B_c \rightarrow D_s^* \gamma$ violation in the three-body phase space of charmless $B_c \rightarrow D_s^* \gamma$ decays. Physical Review Letters, 2016, 96, 012001.	1.6	65
106	Precision Measurement of $B_c \rightarrow D_s^* \gamma$ Violation in $B_c \rightarrow D_s^* \gamma$ decays. Physical Review Letters, 2015, 114, 041801.	2.9	65
107	Antiproton Slowing Down in H ₂ and He and Evidence of Nuclear Stopping Power. Physical Review Letters, 1995, 74, 371-374.	2.9	64
108	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64

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109	First Observation of the Decay $B_c \rightarrow \eta' \gamma$ Physical Review Letters, 2012, 108, 251802.	2.9	61
110	Determination of the Sign of the Decay Width Difference in the B_s System Physical Review Letters, 2012, 108, 241801.	2.9	61
111	Measurement of $B_c \rightarrow \eta' \gamma$ in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV Search for the rare decays $B_c \rightarrow \eta' \gamma$ Physical Review Letters, 2013, 114, 152001.	2.9	61
112	Analysis of the resonant components in $B_c \rightarrow \eta' \gamma$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	1.5	60
113	Search for the rare decays $B_c \rightarrow \eta' \gamma$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	1.6	60
114	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
115	Precision measurement of the $B^0 \rightarrow \eta' \gamma$ oscillation frequency with the decay $B^0 \rightarrow \eta' \gamma$ $D^0 \rightarrow \eta' \gamma$. New Journal of Physics, 2013, 15, 053021.	1.2	59
116	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
117	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
118	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
119	New measurements of the annihilation cross section at very low energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 461, 405-412.	1.5	57
120	Evidence for an $\eta_c(1S) \pi^+ \pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) \pi^+ \pi^-$		

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127	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017, 77, 224.	1.4	54
128	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.	1.6	53
129	Measurement of $\psi(2S)$ $\tilde{\chi}(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 2872.	1.4	53
130	Measurement of CP asymmetry in $D^0 \rightarrow K^+K^-$ and $D^0 \rightarrow \bar{K}^0\bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	52
131	Measurement of the exclusive $\tilde{\chi}$ production cross-section in pp collisions at $s=7$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	52
132	Measurement of the b -Quark Production Cross Section in 7 and 13 TeV Collisions. <i>Physical Review Letters</i> , 2017, 118, 052002.	2.9	52
133	Measurement of the $B \rightarrow \pi^0 \pi^0$ branching fraction and CP violation in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2013, 110, 151803.	2.9	51
134	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+K^-$ decay. <i>European Physical Journal C</i> , 2017, 77, 161.	1.4	51
135	Measurement of hadron fractions in 13 TeV collisions. <i>Physical Review D</i> , 2019, 100, .	1.6	51
136	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2012, 108, 181806.	2.9	50
137	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	50
138	Search for the doubly charmed baryon Ξ_{cc}^+ . <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	50
139	Precision measurement of the ratio of the b to c quark production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012, 108, 181806.	1.5	50
140	First observation and amplitude analysis of the $B \rightarrow \pi^+ \pi^-$ decay. <i>Physical Review Letters</i> , 2012, 108, 181806.	1.6	50
141	Persistent evidence of D decays to CP violation in Charmless Two-Body Decays of $B \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2012, 108, 201601.	2.9	49
142	Searches for Majorana neutrinos in $B \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2012, 85, .	1.6	49
143	Measurements of long-range near-side angular correlations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and Hadron Physics</i> , 2016, 353, 432-433.	1.5	49
144	Observation of New Resonances in the $B \rightarrow \pi^+ \pi^-$ decay. <i>Physical Review Letters</i> , 2019, 123, 152001.	2.9	49

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163	Observation of an Excited B_c State. Physical Review Letters, 2019, 122, 232001.	4.3	43
164	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.5	42
165	Measurement of the Difference of Time-Integrated Asymmetries in D^0 Decays. Physical Review Letters, 2018, 121, 222001.	2.9	42
166	Study of the $\tilde{\chi}^0(3823)$ and $\tilde{\chi}^{\pm 1}(3872)$ states in $B^+ \rightarrow (\tilde{J}/\tilde{I} + \tilde{K})K^+$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
167	Amplitude analysis of the $B_c \rightarrow \tilde{K}^0$ decay. Physical Review D, 2020, 101, .	1.6	42
168	$\tilde{\chi}^0$ and $\tilde{\chi}^{\pm 1}$ meson production in annihilation and the OZI rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 237-243.	1.5	41
169	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
170	First observation of the decay $B_c^+ \rightarrow \psi(K^+)$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
171	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
172	Measurement of Antiproton Production in Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
173	Precision Measurement of the Mass and Lifetime of the B_c . Physical Review Letters, 2014, 113, 242002.	1.5	40
174	Meson spectroscopy with antineutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 287, 368-374.	1.5	39
175	Search for Lepton Number Violating Decays $B^+ \rightarrow \tilde{\chi}^0 \tilde{l}^+ + \tilde{l}^+ + \tilde{l}^+ + \tilde{l}^+$ and $B^+ \rightarrow \tilde{K}^0 \tilde{l}^+ + \tilde{l}^+ + \tilde{l}^+$. Physical Review Letters, 2012, 108, 101601.	2.9	39
176	Study of the kinematic dependences of $\tilde{b} \rightarrow b \tilde{0}$ production in pp collisions and a measurement of the $\tilde{b} \rightarrow b \tilde{0}$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	2.9	39
177	Study of $B_c \rightarrow J/\psi$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	1.6	39
178	Search for beautiful tetraquarks in the $\tilde{\chi}^0(1S) \tilde{l}^+ + \tilde{l}^+ \tilde{a}^+$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
180	decay to in annihilation at rest. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 187-198.	1.5	38

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181	Search for $D \rightarrow \bar{D} + \bar{K}^0$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	1.6	37
182	Measurement of the $B \rightarrow \bar{K}^0 + \bar{K}^0$ decay. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
183	Amplitude Analysis of $B \rightarrow \bar{K}^0 + \bar{K}^0$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
184	Measurement of the forward-backward asymmetry in $Z \rightarrow \bar{c} + c$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
185	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
186	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
187	First observation of the decay $B \rightarrow \bar{K}^0 + \bar{K}^0$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
188	Measurement of the relative rate of prompt $\bar{c} c$, $\bar{c} c$ and $\bar{c} c$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
189	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{K}^0 + \bar{K}^0$. Physical Review D, 2013, 87, 032001.	1.6	36
190	Precision Measurement of the Mass and Lifetime of the Ω_c^0 Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
191	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \bar{K}^0 + \bar{K}^0$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
192	Measurement of the CKM angle β from a combination of $B \rightarrow \bar{K}^0 + \bar{K}^0$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	1.6	35
193	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{K}^0 + \bar{K}^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
194	Evidence for the decay $B \rightarrow \bar{K}^0 + \bar{K}^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	0.9	35
195	Measurement of the CKM angle β from a combination of $B \rightarrow \bar{K}^0 + \bar{K}^0$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	1.6	35
196	Precision Measurement of the Mass and Lifetime of the Ω_c^0 Baryon. Physical Review Letters, 2013, 111, 102003.	1.6	35
197	Observation of the $\bar{b} \rightarrow \bar{c} + \bar{c}$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
198	Model-independent confirmation of the $B \rightarrow \bar{K}^0 + \bar{K}^0$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	35
199	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

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199	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1	2.0	35
200	Measurement of the χ_{c1} production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.5	34
201	Measurement of the flavour-specific CP-violating asymmetry A_{CP}^{meas} in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	34
202	Measurement of the $B \rightarrow \pi^0 \pi^0$ decay. Physical Review Letters, 2013, 111, 011801.	1.5	34
203	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
204	Measurement of the J/ψ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
205	Angular moments of the decay $B \rightarrow \pi^0 \pi^0$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
206	Measurement of the CP-violating phase $\arg(\lambda_{cb})$ in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	33
207	Search for direct CP violation in $B \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	33
208	Search for the rare decay $B \rightarrow \pi^0 \pi^0$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
209	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
210	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
211	Measurement of forward $Z \rightarrow e^+e^-$ production at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
212	Precision measurement of the χ_{c1} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
213	Search for the rare decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.6	32
214	Search for the Lepton-Flavor-Violating Decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2013, 111, 011801.	1.6	32
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414	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14

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417	Observation of charmonium pairs produced exclusively in pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
418	Measurement of CP asymmetry in $B_s^0 \rightarrow D_s^+ D_s^- K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
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420	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_\tau) / B(B_c \rightarrow J/\psi \nu_\tau)$. Physical Review D, 2015, 92, .	1.6	14
421	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
422	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- (\pi^+ \pi^-)$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14
423	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
424	Study of $J/\psi(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
425	First Observation of a Baryonic $B^0 \rightarrow \Lambda^0 \pi^0$ Decay. Physical Review Letters, 2017, 119, 041802.	1.6	14
426	A measurement of the CP asymmetry difference between $\Lambda^0 \rightarrow p \pi^- K^+$ and $\Lambda^0 \rightarrow \bar{p} \pi^+ K^+$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
427	Amplitude Analysis of the Decay $B^0 \rightarrow K^* \pi^0 \pi^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^* \pi^0 \pi^0$. Physical Review Letters, 2018, 120, 261801.	2.9	14
428	Study of coherent J/ψ production in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the LHCb experiment. Nuclear Physics A, 2019, 982, 247-250.	0.6	14
429	Prompt $b \rightarrow c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
430	Constraints on the $B^0 \rightarrow K^+ S^-$ (S^0) decays. Physical Review Letters, 2020, 125, 231801.	1.4	14
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434	High rate packets transmission on ethernet LAN using commodity hardware. IEEE Transactions on Nuclear Science, 2006, 53, 810-816.	1.2	13
435	Measurement of the ratio of branching fractions $\frac{B(B \rightarrow 0)}{B(B \rightarrow \hat{\tau}^+)}$		

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452	Measurement of α_1 from Dalitz plot analysis of $B \rightarrow D^0 \pi^+ \pi^-$ decays.	1.6	13
453	Study of $D^0 \rightarrow \pi^+ \pi^-$ mesons decaying to $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^0 \pi^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
454	Model-independent measurement of mixing parameters in $D^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
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457	Measurement of CP asymmetry in $B_0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
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472	Measurement of $C \rightarrow P$ Violation in $B^0 \rightarrow D^+ D^-$ decays. Physical Review Letters, 2016, 117, 261801.	2.9	12
473	Search for B_c^+ decays to the $pp\pi^+ \pi^0$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	1.5	12
474	Observation of $B_c^+ \rightarrow D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, .	1.6	12
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476	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
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478	Measurement of the meson production fraction and asymmetry in 7 and 13 TeV $pp \rightarrow B^0 \rightarrow D^+ D^-$ collisions. Physical Review D, 2019, 100, .	1.6	12
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482	Study of $B^0 \rightarrow D^+ D^- \pi^+ \pi^-$ and $B^0 \rightarrow D^+ D^- K^+ K^-$ decays. Physical Review D, 2013, 87, .	1.6	11
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484	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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493	First observation of $B^0 \rightarrow \pi^+ \pi^-$ decays and a search for $B^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
494	Amplitude analysis of the $B^0 \rightarrow K^+ \overline{K}^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^+ \overline{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
495	Measurements of CP asymmetries in charmless four-body Λ_b^0 and Ξ_b^0 decays. European Physical Journal C, 2019, 79, 1.	1.4	11
496	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu$. European Physical Journal C, 2019, 79, 1.	1.4	11
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501	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \overline{p} \Lambda^0$. Journal of High Energy Physics, 2013, 2013, .	1.6	10
502	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	1.5	10
503	Evidence for the two-body charmless baryonic decay $B^+ \rightarrow \hat{p} \hat{\Lambda}^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
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507	Measurement of branching fractions of charmless four-body $\hat{b} \rightarrow b \bar{0}$ and $\hat{z} \rightarrow b \bar{0}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
508	Dalitz plot analysis of the $D^+ \rightarrow \hat{K}^0 K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
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510	Search for $C \rightarrow P$ violation and observation of $P \rightarrow$ violation in Z decays. Physical Review Letters, 2019, 123, 232001.	2.9	10
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512	Search for $C \rightarrow P$ violation and observation of $P \rightarrow$ violation in $b \rightarrow c$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
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515	Performance of a coincidence neutron spectrometer with double pulse-shape discrimination. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 337, 445-460.	0.7	9
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518	First observation of the decay $B_{(s)}^0 \rightarrow \pi^+ \pi^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
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520	Observation of the $B_s^0 \rightarrow \pi^+ \pi^-$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
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560	Search for the CP-violating strong decays $\hat{\Lambda}^+ \rightarrow \bar{K}^0 \pi^+$ and $\hat{\Lambda}^0 \rightarrow \bar{K}^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
561	Observation of $B^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$ and $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays with an amplitude analysis of $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.5	7
562	Observation of $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and $B^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$ decays with an amplitude analysis of $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays. European Physical Journal C, 2017, 77, 72.	1.4	7
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564	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
565	Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, .	1.6	7
566	Study of the $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decay with an amplitude analysis of $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
567	Observation of the $\Lambda_b^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$ (3872) pKa ⁺ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
568	Search for CP violation through an amplitude analysis of $D^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
569	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	0.5	7
570	Measurement of the shape of the $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
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573	Protonium annihilation into $\pi^0 \pi^0$ at rest in a liquid hydrogen target. Physical Review D, 2001, 65, .	1.6	6
574	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. Physical Review Letters, 2012, 108, .	2.9	6
575	Measurement of CP observables in $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ with $D^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	6
576	Study of $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays with an amplitude analysis of $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays. Physical Review D, 2015, 92, .	1.6	6

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577	Determination of the branching fractions of $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ and $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ K^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
578	Measurement of the $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	1.5	6
579	Observation of $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ and Evidence for $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ K^0$ Decays. Physical Review Letters, 2016, 116, 161802.	1.6	6
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581	Search for Baryon-Number Violating $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
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583	Observation of the decay $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ and evidence for $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ K^0$. Journal of High Energy Physics, 2017, .	1.6	6
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585	Measurement of $Z \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
586	Measurement of the branching fractions of the decays $D \rightarrow \ell^+ K^+ K^0$, $D \rightarrow \ell^+ \bar{K}^0 K^0$ and $D \rightarrow \ell^+ \bar{K}^0 K^+ K^0$. Journal of High Energy Physics, 2019, 2019, .	1.6	6
587	Flit-Level InfiniBand Network Simulations of the DAQ System of the LHCb Experiment for Run-3. IEEE Transactions on Nuclear Science, 2019, 66, 1159-1164.	1.2	6
588	Measurement of the CP-violating phase β from $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ decays. Physics Letters, Sec	1.5	6
589	Measurement of CP violation in the $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ decay and search for the $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ K^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
590	Measurement of the CKM angle β in $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ and $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ K^0$ decays with $D \rightarrow \ell^+ S^+ K^+ \bar{K}^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
591	Measurement of the branching fraction of the $B \rightarrow S \ell^+ \ell^- D^+ S^- K^+ \bar{K}^0$ decay. European Physical Journal C, 2021, 81, 1.	1.4	6
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596	The Monitoring and Control System of the LHCb Event Filter Farm. IEEE Transactions on Nuclear Science, 2008, 55, 370-378.	1.2	5
597	The LHCb Run Control. Journal of Physics: Conference Series, 2010, 219, 022009.	0.3	5
598	First observation of the rare $B \rightarrow D^+ K^0$ decay. Physical Review D, 2016, 93, .	1.6	5
599	Measurement of the $B \rightarrow D^+ D_s^{(*)-}$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
600	First observation of the decay $B \rightarrow D^+ K^0 K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1. 5	1.6	5
601	Measurement of D^{\pm} production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
602	Measurement of the ratio of branching fractions of the decays $B \rightarrow D^+ K^0$ and $B \rightarrow D^+ K^0$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
603	Measurement of CP observables in the process $B \rightarrow D^+ DK^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
604	Direct photon production at LHCb. Nuclear Physics A, 2019, 982, 251-254. Isospin Amplitudes in $B \rightarrow D^+ K^0 \gamma$	0.6	5
605	Measurement of the ratio of branching fractions of the decays $B \rightarrow D^+ K^0$ and $B \rightarrow D^+ K^0$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5

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627	Measurement of $B^+ \rightarrow \bar{K}^0 \pi^+$ asymmetry in $B^+ \rightarrow \bar{K}^0 \pi^+$ decays. $\frac{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^+)}{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^0)} = \frac{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^+)}{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^0)}$	1.6	3
628	Measurement of $B^+ \rightarrow \bar{K}^0 \pi^+$ asymmetry in $B^+ \rightarrow \bar{K}^0 \pi^+$ decays. $\frac{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^+)}{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^0)} = \frac{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^+)}{\mathcal{B}(B^+ \rightarrow \bar{K}^0 \pi^0)}$	1.6	3
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