

Xavier Cid Vidal

List of Publications by Year in descending order

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Version: 2024-02-01

530
papers

26,808
citations

8749

75
h-index

10724

138
g-index

541
all docs

541
docs citations

541
times ranked

9352
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. <i>Physical Review Letters</i> , 2014, 113, 151601. http://www.w3.org/1998/Math/MathML	2.9	845
3	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$ Decays. <i>Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(B \rightarrow K^* \ell^+ \ell^-)}{\mathcal{B}(B \rightarrow K^* \mu^+ \mu^-)}$</i>	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	Observation of χ pair production in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013, 110, 221601.	1.5	123
38	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{\prime\prime}$. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	122
39	Measurement of $\Lambda_{cc}^{\prime\prime}$ polarization in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2631.	1.4	117
40	Measurement of $\Lambda_{cc}^{\prime\prime}$ hadron production fractions in 7 TeV collisions. <i>Physical Review D</i> , 2013, 87, 072002.	1.6	116
41	Evidence for the decay $\Lambda_{cc}^{\prime\prime} \rightarrow \Lambda_c^+ \pi^0$. <i>Physical Review Letters</i> , 2013, 110, 221601.	1.5	115
42	Search for Dark Photons Produced in 13 TeV Collisions. <i>Physical Review Letters</i> , 2018, 120, 061801.	0.9	114
43	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	111
44	Updated measurements of exclusive $\Lambda_{cc}^{\prime\prime}$ and Λ_{cc}^{\prime} production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 055002.	1.4	111
45	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014, 9, P12005-P12005.	0.5	110
46	Evidence for Exotic Hadron Contributions to $\Lambda_{cc}^{\prime\prime}$ Decays. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	110
47	Measurements of the $\Lambda_{cc}^{\prime\prime}$ Production Cross-Section and Polarization in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	108
48	Measurement of $\Lambda_{cc}^{\prime\prime}$ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 2025.	1.4	106
49	Search for Majorana Neutrinos in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. <i>Physical Review Letters</i> , 2014, 112, 131802.	2.9	106
50	First Observation of $\Lambda_{cc}^{\prime\prime}$ Violation in the Decays of $\Lambda_{cc}^{\prime\prime}$. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	105
51	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015, 11, 743-747.	6.5	105
52	Exclusive $\Lambda_{cc}^{\prime\prime}$ and Λ_{cc}^{\prime} production in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045001.	1.4	104
53	Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	103

#	ARTICLE	IF	CITATIONS
55	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1. Model-Independent Evidence for $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
56	Contributions to $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	2.9	102
57	Violation in the Phase Space of $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 101801.	2.9	101
58	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
59	$B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	99
60	Observation of Excited $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98
61	Amplitude analysis of $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Physical Review D, 2017, 95, 034004.	1.6	92
62	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
63	Measurement of $\bar{c} \ell^+ \ell^- \ell^+ \ell^-$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
64	Study of D J meson decays to $D^+ \ell^+ \ell^-$, $D^0 \ell^+ \ell^-$ and $D^+ \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
65	$B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	2.9	82
66	Differential branching fraction and angular analysis of $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
67	$B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	2.9	81
68	Observation of Overlapping Spin-1 and Spin-3 $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Physical Review Letters, 2014, 113, 161801.	2.9	80
69	$B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Physical Review Letters, 2014, 113, 161801.	1.6	80
70	Search for long-lived scalar particles in $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Physical Review Letters, 2014, 112, 011801.	1.6	79
71	Violation in the Phase Space of $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Physical Review Letters, 2014, 112, 011801.	2.9	78
72	Search for Structure in the $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	78

#	ARTICLE	IF	CITATIONS
73	First observation of $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ decays. <i>Physical Review Letters</i> , 2011, 698, 115-122.	1.5	77
74	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016, 40, 011001.	1.5	77
75	Observation of a New $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ decay. <i>Physical Review Letters</i> , 2018, 120, 111801.	2.9	77
76	Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{cc}^+ . <i>Physical Review Letters</i> , 2018, 120, 111801.	2.9	76
77	Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{cc}^+ . <i>Physical Review Letters</i> , 2018, 120, 111801.	2.9	75
78	Observation of CP violation in $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 203-212.	1.6	75
79	Measurements of the S-wave fraction in $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ decays and the $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ differential branching. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	75
80	Measurement of $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ violation and the $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ decay width difference with $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$. <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	74
81	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	74
82	Measurement of resonant and $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ components in $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$. <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	73
83	Measurement of the $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ production cross-section in proton-antiproton collisions via $B_c^0 \rightarrow \bar{c} \ell^+ \nu_\ell$. <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	73

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91	Measurement of the resonant and non-resonant components in $B \rightarrow D^* P$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	67
92	Analysis of the resonant components in $B \rightarrow D^* P$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
93	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
94	Measurement of the isospin asymmetry in $B \rightarrow D^* P$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
95	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
96	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
97	Observation of $B \rightarrow D^* P$ decays. Journal of High Energy Physics, 2012, 2012, 165	2.9	65
98	Measurements of $B \rightarrow D^* P$ violation in the three-body phase space of charmless $B \rightarrow D^* P$ decays. Physical Review D, 2014, 90.	1.6	65
99	Violation in $B \rightarrow D^* P$ decays. Physical Review Letters, 2012, 108, 241801.	2.9	65
100	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
101	Expression of interest for the CODEX-b detector. European Physical Journal C, 2020, 80, 1.	1.4	63
102	First Observation of the Decay $B \rightarrow D^* P$. Physical Review Letters, 2012, 108, 251802.	2.9	62
103	Determination of the Sign of the Decay Width Difference in the $B \rightarrow D^* P$ decays. Physical Review Letters, 2012, 108, 241801.	2.9	61
104	Measurement of $B \rightarrow D^* P$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	2.9	61
105	Analysis of the resonant components in $B \rightarrow D^* P$ decays. Physical Review D, 2013, 87.	1.6	60
106	Measurement of forward J/ψ production cross-sections in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
107	Precision measurement of the $B \rightarrow D^* P$ oscillation frequency with the decay $B \rightarrow D^* P$. New Journal of Physics, 2013, 15, 053021.	1.2	59
108	Measurement of forward W and Z boson production in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	1.6	59

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109	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
110	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
111	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	1.6	56
112	Observation of a Resonance in $B \rightarrow \pi^+ \pi^- \pi^0$ at Low Recoil. Physical Review Letters, 2013, 111, 112003.	2.9	56
113	Evolution of iron overload in patients with low-risk myelodysplastic syndrome: iron chelation therapy and organ complications. Annals of Hematology, 2015, 94, 779-787.	0.8	56
114	Measurement of $B \rightarrow \pi^+ \pi^- \pi^0$ and $B \rightarrow \pi^+ \pi^- \pi^0$ decay amplitudes and the $B \rightarrow \pi^+ \pi^- \pi^0$ phase. Physical Review Letters, 2013, 110, 052002.	1.6	55
115	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802.	2.9	55
116	Measurements of the $B \rightarrow \pi^+ \pi^- \pi^0$ decay amplitudes and the $B \rightarrow \pi^+ \pi^- \pi^0$ phase. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54
117	Study of the $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. Journal of High Energy Physics, 2017, 2017, 11.6	1.6	54
118	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
119	Measurement of the cross-section for $Z \rightarrow e^+ e^-$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
120	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
121	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
122	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
123	Measurement of the $b \rightarrow c$ -Quark Production Cross Section in 7 and 13 TeV pp Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
124	New axion searches at flavor factories. Journal of High Energy Physics, 2019, 2019, 1.	1.6	52
125	First Observation of the Decay $B \rightarrow s \gamma$. Physical Review Letters, 2013, 110, 151803.	2.9	51
126	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+ K^- \pi^0$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51

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145	Observation of Photon Polarization in the $b \rightarrow s \gamma$ Transition. Physical Review Letters, 2014, 112, 161801.	2.9	46
146	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
147	Observation of New $b \rightarrow c \ell \bar{\nu}_\ell$ Baryons Decaying to $\Lambda_c^+ \ell^+ \bar{\nu}_\ell$. Physical Review Letters, 2017, 118, 022001.	2.9	45
148	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
149	First Observation of Excited B_c^+ Mesons. Physical Review Letters, 2020, 124, 032001.	2.9	44
150	Measurement of D^0 meson production in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2839.	1.4	43
151	Study of χ_{c1} meson production in $p\bar{p}$ collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2014, 74, .	1.4	43
152	Measurement of the B_c^+ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu$. European Physical Journal C, 2014, 74, 2839.	1.4	43
153	Observation of an Excited B_c^+ State. Physical Review Letters, 2019, 122, 232001.	2.9	43
154	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.5	42
155	Measurement of the Difference of Time-Integrated Asymmetries in $B^0 \rightarrow D^{\pm} \ell^{\mp} \bar{\nu}_\ell$ Decays. Physical Review Letters, 2020, 124, 032001.	2.9	42
156	Study of the $\bar{\chi}_{c1}(3823)$ and $\chi_{c1}(3872)$ states in $B^+ \rightarrow \bar{\chi}_{c1} K^+$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
157	Amplitude analysis of the $B_c^+ \rightarrow \mu^+ \bar{\nu}_\mu \ell^+ \bar{\nu}_\ell$ decay. Physical Review D, 2020, 101, .	1.6	42
158	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
159	First observation of the decay $B_c^+ \rightarrow \mu^+ \nu_\mu \ell^+ \bar{\nu}_\ell$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
160	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
161	Measurement of Antiproton Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
162	Measurement of the CP-violating phase $\arg(V_{cb} V_{cs}^*)$ in $B^0 \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2018, 121, 222001.	1.5	40

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163	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_\mu + \bar{\nu}_\mu + \nu_\tau$ and $B \rightarrow \tau^+ K^0 \bar{\nu}_\tau + \nu_\tau$. Physical Review Letters, 2012, 108, 101601.	2.9	39
164	Precision Measurement of the Mass and Lifetime of the Λ_c^+ . Physical Review Letters, 2014, 113, 242002.	2.9	39
165	Study of the kinematic dependences of $\Lambda_c^+ \rightarrow b \bar{c} \nu_c$ production in pp collisions and a measurement of the $\Lambda_c^+ \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
166	Study of $\Lambda_c^+ \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
167	Search for beautiful tetraquarks in the $\bar{\Lambda}(1S) \bar{\Lambda}^+$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
168	Search for $\Lambda_c^+ \rightarrow D^+ \bar{c} \nu_c$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.5	37
169	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
170	Amplitude Analysis of $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
171	Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
172	Prompt and nonprompt J/ψ production and nuclear modification in pPb 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
173	First observation of the decay $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_\mu + \bar{\nu}_\mu + \nu_\tau$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
174	Measurement of the relative rate of prompt $\bar{c} \rightarrow c$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
175	Amplitude analysis and branching fraction measurement of $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$. Physical Review D, 2013, 87, .	1.6	36
176	Precision Measurement of the Mass and Lifetime of the Λ_c^+ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
177	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
178	Measurement of the CKM angle Γ from a combination of $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	1.5	35
179	Measurement of the differential branching fraction of the decay $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_c$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
180			

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181	Measurement of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decay and measurement of the relative branching fractions for $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ and $\Lambda_b^0 \rightarrow \Lambda_c^+ \rho^-$. Physical Review Letters, 2013, 111, 102003.	0.9	35
182	Precision Measurement of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decay. Physical Review Letters, 2013, 111, 102003.	0.9	35
183	Observation of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
184	Model-independent confirmation of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decay. Journal of High Energy Physics, 2015, 2015, 92.	1.6	35
185	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
186	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
187	Measurement of the CP-violating phase $\arg(\lambda_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	34
188	Measurement of the CP-violating phase $\arg(\lambda_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	34
189	Measurement of the CP-violating phase $\arg(\lambda_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	34
190	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
191	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
192	Angular moments of the decay $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
193	Measurement of the CP-violating phase $\arg(\lambda_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	33
194	Search for direct CP violation in $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	33
195	Search for the rare decay $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
196	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
197	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
198	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33

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199	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
200	Search for the rare decays $B \rightarrow B^0 \tau^+ \nu_\tau$ and $B \rightarrow B^0 \tau^+ \nu_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.6	32
201	Search for the Lepton-Flavor-Violating Decays $B_s^0 \rightarrow \tau^+ e^- \nu_\tau \nu_e$ and $B^0 \rightarrow \tau^+ e^- \nu_\tau \nu_e$. Physical Review Letters, 2013, 111, 141801.	1.6	32
202	Observation of the decay $B_c \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review D, 2013, 87, 012001.	1.6	32
203	Measurement of the ratio of $B \rightarrow B^0 \tau^+ \nu_\tau$ and $B \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review D, 2013, 87, 012001.	1.6	32
204	Search for the lepton flavour violating decay $\tilde{L}_i \rightarrow \tau^+ \tilde{\nu}_\tau \nu_\tau$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
205	Violation in $B \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review D, 2014, 89, 012001.	2.9	32
206	Measurement of the ratio of $B \rightarrow B^0 \tau^+ \nu_\tau$ and $B \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review D, 2014, 89, 012001.	1.6	31
207	Measurement of the CP-violating phase β . Physical Review D, 2014, 89, 012001.	1.6	31
208	Measurement of $B \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review D, 2014, 89, 012001.	1.5	31
209	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	2.9	31
210	Test of lepton universality with $\Lambda_b \rightarrow p \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
211	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30
212	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
213	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
214	Amplitude analysis of $B \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review D, 2015, 92, 012001.	1.6	30
215	Violation in $B \rightarrow B^0 \tau^+ \nu_\tau$. Physical Review Letters, 2015, 115, 031601.	2.9	30
216	Forward production of η mesons in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30

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218	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, .	1.6	30
219	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular observables. Journal of High Energy Physics, 2018, 2018, .	1.5	29
220	Study of $D \rightarrow s$ decays to $\{D^{*+}\} K_{\text{charm}}^0$ and $D^0 K^+$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29
221	Measurement of relative branching fractions of B decays to $\psi(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29
222	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular observables. Journal of High Energy Physics, 2018, 2018, .	2.9	29
223	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular observables. Journal of High Energy Physics, 2018, 2018, .	2.9	29
224	Measurement of the CKM angle $\hat{\beta}$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
225	Measurement of the shape of the $\hat{b} \rightarrow \hat{c} \hat{t} \hat{c}^* \hat{t}^*$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
226	Determination of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular observables. Journal of High Energy Physics, 2018, 2018, .	2.9	28
227	Measurement of the $B_0 \rightarrow K^* K^0 e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
228	First measurement of time-dependent CP violation in $B_{\text{charmless}} \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
229	First Observation of a Baryonic B_c Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
230	Observation of the Decays $\hat{b} \rightarrow \hat{c} \hat{t} \hat{c}^* \hat{t}^*$ and $\hat{b} \rightarrow \hat{c} \hat{t} \hat{c}^* \hat{t}^*$. Physical Review Letters, 2017, 119, 062001.	2.9	28
231	Studies of the resonance structure in $D^0 \rightarrow K^* \pi^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
232	Prospects for measurements with strange hadrons at LHCb. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
233	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular observables. Journal of High Energy Physics, 2018, 2018, .	1.6	28
234	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and $B \rightarrow K^* \mu^+ \mu^-$ angular observables. Journal of High Energy Physics, 2018, 2018, .	2.9	27

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237	Violation in $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	2.9	27
238	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014, 74, .	1.4	27
239	Oscillations in $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	2.9	27
240	production in pp collisions at $\sqrt{s} = 0.9$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 72, 1.	1.5	26
241	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	26
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246	Angular analysis of charged and neutral $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	26
247	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016, 76, 664.	1.4	26
248	Measurements of the branching fractions for $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	26
249	Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2421.	1.4	25
250	Observation of the decay $B_c^+ \rightarrow K^+ \pi^0 \pi^+$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	25
251	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
252	Searches for Λ_b^0 and Ξ_b^0 decays to $K_S^0 \pi^+$ and $K_S^0 \pi^0$ final states with first observation of the $\Lambda_b^0 \rightarrow K_S^0 \pi^+$ decay. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25

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254	<p>Observation of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ Decays. <i>Physical Review Letters</i>, 2017, 118, 111803.</p>	2.9	25
255	<p>Observation of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ Decays. <i>Physical Review Letters</i>, 2017, 118, 111803.</p>	2.9	25
256	<p>Measurements of the branching fractions of $B^+ \rightarrow p \bar{K}^0$ decays. <i>European Physical Journal C</i>, 2013, 73, 2462.</p>	1.4	24
257	<p>Observations of $B^+ \rightarrow p \bar{K}^0$ decays and searches for other $B^+ \rightarrow p \bar{K}^0$ decays to final states. <i>Journal of High Energy Physics</i>, 2016, 2016, 1.</p>	0.9	24
258	<p>Observation of $B^+ \rightarrow p \bar{K}^0$ Decays and Measurement of the θ_{13} Mixing Angle. <i>Physical Review Letters</i>, 2014, 112, 091802.</p>	2.9	24
259	<p>Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i>, 2014, 2014, 1.</p>	1.6	24
260	<p>Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i>, 2014, 2014, 1.</p>	1.6	24
261	<p>Observations of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^0$ decays and searches for other $\Lambda_c^+ \rightarrow \Lambda^0$ decays to final states. <i>Journal of High Energy Physics</i>, 2016, 2016, 1.</p>	1.6	24
262	<p>Evidence for the Rare Decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$. <i>Physical Review Letters</i>, 2018, 120, 221803.</p>	2.9	24
263	<p>Observation of a new baryon state in the Λ_b^0 mass spectrum. <i>Journal of High Energy Physics</i>, 2020, 2020, 1.</p>	2.9	24
264	<p>Observation of a new baryon state in the Λ_b^0 mass spectrum. <i>Journal of High Energy Physics</i>, 2020, 2020, 1.</p>	1.6	24
265	<p>Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2014, 739, 218-228.</p>	1.5	23
266	<p>Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i>, 2016, 2016, 1.</p>	1.6	23
267	<p>Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2014, 739, 218-228.</p>	2.9	23
268	<p>Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i>, 2012, 2012, 1.</p>	1.6	22
269	<p>A model-independent Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2013, 726, 623-633.</p>	1.5	22
270	<p>Model-independent search for CP violation in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2013, 726, 623-633.</p>	1.5	22

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272	Measurement of the $C \times P$ Asymmetry in charm. Physical Review Letters, 2013, 110, 031801.	2.9	22
273	Measurement of the CKM angle $\hat{\beta}$ using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow K^0 \bar{K}^0$, $K^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
274	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
275	Study of W boson production in association with beauty and charm. Physical Review D, 2015, 92.	1.6	22
276	Measurement of the $C \times P$ Asymmetry in charm. Physical Review Letters, 2012, 108, 151801.	2.9	22
277	Observation of $B^{\pm} \rightarrow \bar{D}^0 K^{\pm}$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
278	Search for Rare $B \rightarrow s$ Tj ETQq 0 0 rgBT /Overlock 10 Tf 50 467 Td (stretchy="false")	2.9	21
279	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
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281	A precise measurement of the B^0 meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
282	Measurement of the properties of the $\hat{\Sigma} b^{\pm}$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
283	Observation of the decay $B \rightarrow s \bar{D}^0$ and evidence for $B \rightarrow s \bar{D}^0$. Physical Review Letters, 2017, 119, 181805.	1.6	21
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288	First observation of $B \rightarrow K$ and search for $B \rightarrow K$ decays. Physical Review D, 2013, 88, .	1.6	20

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291	Search for CP violation in D^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 740, 158-167.	2.9	20
292	Study of B_c^+ decays to the $K^+ \bar{K}^0 \ell^+$ final state and evidence for the decay $B_c^+ \rightarrow \bar{K}^0 \ell^+$. <i>Physical Review D</i> , 2016, 94, .	1.6	20
293	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \mu^- \nu_e$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 167-175.	1.5	20
294	Measurement of CP observables in $B^{\pm} \rightarrow D^{\pm} K^{\pm}$ and $B^{\pm} \rightarrow D^{\pm} \bar{K}^{\pm}$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 117-131.	1.5	20
295	Studies of the resonance structure in D^0 decays. <i>Physical Review D</i> , 2016, 93, .	1.6	20
296	First Experimental Study of Photon Polarization in Radiative B_s^0 Decays. <i>Physical Review Letters</i> , 2017, 118, 021801.	2.9	20
297	Measurement of the CP Violation Parameter A^{\pm} in $D^0 \rightarrow K^+ \bar{K}^0$ and $D^0 \rightarrow \bar{K}^0 \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2017, 118, 261803.	2.9	20
298	Evidence for the decay $B_s^0 \rightarrow \bar{K}^0 \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
299	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018, 98, .	1.6	20
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303	First Measurement of the CP -Violating Phase in $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2013, 110, 241802.	2.9	19
304	Measurement of the branching fractions of the decays $B_s^0 \rightarrow \bar{D}^0 K^+ \ell^-$ and $B^0 \rightarrow \bar{D}^0 K^+ \ell^-$. <i>Physical Review D</i> , 2013, 87, .	1.6	19
305	Search for CP violation in the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 728, 585-595.	1.5	19
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311	Measurement of $C \rightarrow P$ violation in $B \rightarrow S$ decays. Physical Review D, 2014, 90, .	1.6	18
312	Measurement of forward $W \rightarrow e^{1/2}$ production in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
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314	$\tilde{c} \rightarrow \tilde{c} \gamma$ Resonance Parameters with the Decays $\tilde{c} \rightarrow \tilde{c} \gamma$. Physical Review Letters, 2017, 119, 221801.	1.6	18
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320	Observation of $B^0 \rightarrow \tilde{B}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
321	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	0.9	17
322	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	0.9	17
323	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	1.6	17
324	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	2.9	17

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326	Study of the rare $B \rightarrow B^0 \gamma$ and $B^0 \rightarrow B^0 \gamma$ decays into the $\bar{c}c$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-55.	1.5	17
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328	Observation of $\bar{b} \rightarrow b \gamma$ (2S) $\bar{c}c$ and $\bar{b} \rightarrow b \gamma$ ($\bar{c}c$) decays and a measurement of the $\bar{b} \rightarrow b \gamma$ baryon matrix element. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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330	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
331	Study of charmonium production in $B \rightarrow B^0 \gamma$ hadron decays and first evidence for the decay $B^0 \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609.	1.4	17
332	Improved limit on the branching fraction of the rare decay $B^0 \rightarrow \mu^+ \mu^- \gamma$. European Physical Journal C, 2017, 77, 678.	1.4	17
333	Observation of the $\bar{b} \rightarrow b \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
334	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, .	1.6	17
335	Search for the rare decay $B \rightarrow B^0 \gamma$. Journal of High Energy Physics, 2017, 2017, .	1.6	17
336	Measurement of $B \rightarrow B^0 \gamma$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.6	17
337	Lifetime in the $B \rightarrow B^0 \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.6	17

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345	Observation of the suppressed ADS modes $B \rightarrow \mu^+ \mu^- s$. Physical Review Letters, 2020, 124, 211802.	1.5	15
346	Measurement of $B \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2015, 2015, 1.	2.9	15
347	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	1.5	15
348	Measurement of CP violation parameters and polarisation fractions in $B \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
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350	Measurement of $B \rightarrow \mu^+ \mu^- s$ and $D \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
351	Observation of the suppressed decay $B \rightarrow \mu^+ \mu^- s$. Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
352	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \mu^+ \mu^- s$. Physical Review Letters, 2017, 119, 232001.	2.9	15
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357	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
358	Search for CP violation in $D \rightarrow \mu^+ \mu^- s$ and $D_s \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	14
359	Search for CP violation in $D \rightarrow \mu^+ \mu^- s$ and $D_s \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
360	Study of $B \rightarrow \mu^+ \mu^- s$ decays with first observation of $B \rightarrow \mu^+ \mu^- s$ and $B \rightarrow \mu^+ \mu^- s$. Journal of High Energy Physics, 2013, 2013, .	1.6	14

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364	Observation of charmonium pairs produced exclusively in pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
365	Measurement of CP asymmetry in $B \rightarrow D^* K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
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367	Measurement of the branching fraction ratio $B(B_c \rightarrow D^* \bar{K}^0) / B(B_c \rightarrow D^* \bar{K}^+)$. Physical Review D, 2015, 92, .	1.6	14
368	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
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370	Observation of the $B \rightarrow D^* \bar{K}^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
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375	Amplitude Analysis of the Decay $B \rightarrow D^* K^0$ and First Observation of the CP Asymmetry in $B \rightarrow D^* K^0$. Physical Review Letters, 2018, 120, 261801.	2.9	14
376	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
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380	Measurement of the time-dependent CP asymmetry in $B \rightarrow K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	1.6	13
381	Search for the rare decay $K_S^0 \rightarrow \mu^+ \mu^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
382	Measurement of the asymmetry in $B \rightarrow K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	2.9	13
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384	Search for CP violation in $D^* \rightarrow K^0 K^* \pi$ and $D^* \rightarrow K^0 K^* \pi$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
385	A study of CP violation in $B^* \rightarrow D^* K^0$ and $B^* \rightarrow D^* K^0$ decays with $B^* \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.5	13
386	Measurement of the $B^* \rightarrow D^* K^0$ decays with $B^* \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.5	13
387	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* \pi$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
388	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
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399	Measurement of CP asymmetry in $B_0 \rightarrow K^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
400	Search for CP violation in $B_0 \rightarrow K^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	1.6	13
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426	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^0$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
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445	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
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453	Search for the $B \rightarrow b \bar{c} \bar{c} + \bar{c} \bar{c} \bar{c}$ and $B \rightarrow b \bar{c} \bar{c} + \bar{c} \bar{c} \bar{c}$ decays with the LHCb detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
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462	Observation of the decay $B_s \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$. Physical Review D, 2018, 98, .	1.6	9
463	Search for CP Violation in $D_s \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$, $D \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$, and $D \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
464	Observation of $B \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$ decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
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468	Measurement of the CKM angle β^3 using $B \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$ with $B \rightarrow \bar{c} \bar{c} \bar{c} \rightarrow 0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8

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477	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Physical Review D, 2020, 101, .	1.6	8
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482	Search for the CP-violating strong decays $B \rightarrow \bar{c} \ell^+ \nu_\ell$ and $B \rightarrow \bar{c} \ell^+ \nu_\ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
483	Measurement of CP observables in $B \rightarrow \bar{c} \ell^+ \nu_\ell$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.5	7
484	Observation of $B \rightarrow \bar{c} \ell^+ \nu_\ell$ and $B \rightarrow \bar{c} \ell^+ \nu_\ell$. European Physical Journal C, 2017, 77, 72.	1.4	7
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491	Measurement of CP observables in $B_0 \rightarrow DK^+ K^-$ with $D \rightarrow K^+ K^-$. Journal of High Energy Physics, 2013, 2013, 16	1.6	6
492	Study of $B_0 \rightarrow \bar{K}^*(892)0$ decay with an amplitude analysis of $B_0 \rightarrow \bar{K}^*(892)0$ decays. Physical Review D, 2015, 92, .	1.6	6
493	Determination of the branching fractions of $B \rightarrow S_0 \bar{K}^* K^+$ and $B \rightarrow S_0 \bar{K}^* K^+$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
494	Measurement of the $B \rightarrow S_0 \bar{K}^* K^+$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	1.5	6
495	Observation of $B_s \rightarrow D^+ K^-$ and Evidence for $B_s \rightarrow D^+ K^-$ Decays. Physical Review Letters, 2016, 116, 161802.	1.6	6
496	Measurement of the B_{\pm}^0 production asymmetry and the CP asymmetry in $B_{\pm}^0 \rightarrow \bar{K}^* K^{\pm}$ decays. Physical Review D, 2017, 95, .	1.6	6
497	Search for Baryon-Number Violating $\bar{B} \rightarrow \bar{K}^* K^+$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
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499	Observation of the decay $B \rightarrow S_0 \bar{K}^* K^+$ and evidence for $B \rightarrow S_0 \bar{K}^* K^+$. Journal of High Energy Physics, 2017, .	1.6	6
500	Measurement of $Z \rightarrow \bar{t} t$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
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504	First observation of the rare $B \rightarrow \bar{K}^* K^+$ decay. Physical Review D, 2016, 93, .	1.6	5

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507	Measurement of D_{\pm}^* s production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1. 1.6	1.6	5
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509	Measurement of CP observables in the process $B^0 \rightarrow DK^{*0}$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1. 1.6	1.6	5
510	Isospin Amplitudes in $B^0 \rightarrow \bar{D}^{*+} J/\psi$ decays. Journal of High Energy Physics, 2019, 2019, 1. 1.6	1.6	5

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524	Measurement of the CP asymmetry in $B\hat{+}^{\prime}\hat{+}^{\prime}\hat{-}\hat{-}^{\prime} sD0$ and $B\hat{+}^{\prime}\hat{+}^{\prime}\hat{-}\hat{-}^{\prime} D\hat{+}^{\prime}D0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
525	Observation of the doubly Cabibbo-suppressed decay $\hat{L}z+ c\hat{+}^{\prime}\hat{+}^{\prime}\hat{-}\hat{-}^{\prime}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	2
526	Measurement of CP violation in $B0\hat{+}^{\prime}D\hat{+}^{\prime}\hat{-}\hat{-}^{\prime}\hat{+}\hat{-}\hat{-}^{\prime}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
527	Observation of the decay $\$ \$ \overline{\{B\}}_s^0 \chi_{c2}\{K\}^{\{+\}\{K\}^{\{-}\}} \$ \$$ in the \hat{J} mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
528	Modern Machine Learning: Applications and Methods. Management and Industrial Engineering, 2022, , 19-61.	0.3	1
529	Developments towards the LHCb VELO upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 76-79.	0.7	0
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