

Xavier Cid Vidal

List of Publications by Year in descending order

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Version: 2024-02-01

530
papers

26,808
citations

8732

75
h-index

10708

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. Journal of Instrumentation, 2008, 3, S08005-S08005.	0.5	969
2	Test of Lepton Universality Using $B \rightarrow K^* \mu^+ \mu^-$ 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 $\frac{\mathcal{B}(J/\psi \rightarrow p \bar{p})}{\mathcal{B}(J/\psi \rightarrow e^+ e^-)}$ B	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_c 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 Λ_{cc}^+ to $\Lambda_c^+ \chi_c^0$. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	122
39	Measurement of Λ_c^+ polarization in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2631.	1.4	117
40	Measurement of Λ_c^+ polarization in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2013, 87, 072002.	1.6	116
41	Evidence for the decay $\Lambda_c^+ \rightarrow \Lambda^0 \chi_c^+$. <i>Physical Review Letters</i> , 2013, 110, 221601.	1.5	115
42	Search for Dark Photons Produced in 13.6 TeV pp Collisions. <i>Physical Review Letters</i> , 2018, 120, 061801.	0.9	114
43	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^+ K^- \pi^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	111
44	Updated measurements of exclusive χ_c and $\chi_c(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 055002.	1.4	111
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 Λ_c^+ Decays. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	110
47	Measurements of the Λ_c^+ branching fraction and polarization in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	108
48	Decay $\Lambda_c^+ \rightarrow \Lambda^0 \chi_c^+$ in the Λ_c^+ system. <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	108
49	Measurement of χ_c production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 2025.	1.4	106
50	Search for Majorana Neutrinos in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. <i>Physical Review Letters</i> , 2014, 112, 131802.	2.9	106
51	First Observation of χ_c Violation in the Decays of Λ_c^+ . <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	105
52	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015, 11, 743-747.	6.5	105
53	Exclusive χ_c and $\chi_c(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045001.	1.4	104
54	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.	1.6	103
56	Model-Independent Evidence for $B \rightarrow K^* \ell^+ \ell^-$. Contributions to $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 101801.	2.9	102
57	Measurement of $B \rightarrow K^* \ell^+ \ell^-$ violation in the Phase Space of $B \rightarrow K^* \ell^+ \ell^-$. 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	Dalitz plot analysis of $B \rightarrow D^* \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 172003.	1.6	99
60	Observation of Excited $B \rightarrow K^* \ell^+ \ell^-$ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98
61	Amplitude analysis of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2017, 95, .	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 $\bar{c} \ell^+ \ell^-$ 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 $D^* \ell^+ \ell^-$, $D^* \ell^+ \ell^-$ and $D^* \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
65	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2014, 113, 161801.	2.9	82
66	Differential branching fraction and angular analysis of $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
67	Search for the Decays $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2014, 113, 161801.	2.9	81
68	Observation of Overlapping Spin-1 and Spin-3 $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2014, 113, 161801.	2.9	80
69	Dalitz plot analysis of $B \rightarrow D^* \ell^+ \ell^-$. Physical Review Letters, 2014, 113, 161801.	1.6	80
70	Search for long-lived scalar particles in $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2014, 112, 011801.	1.6	79
71	Violation in the Phase Space of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2014, 112, 011801.	2.9	78
72	Search for Structure in the $B \rightarrow K^* \ell^+ \ell^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	78

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73	<p>First observation of $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$ decays. <i>Physical Review Letters</i>, 2011, 698, 115-122.</p> <p>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.</p>	1.5	77
75	<p>Observation of a New $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$ decay. <i>Physical Review Letters</i>, 2018, 121, 011801.</p> <p>Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{bc}^+. <i>Physical Review Letters</i>, 2018, 121, 011801.</p>	2.9	77
76	<p>Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{bc}^+. <i>Physical Review Letters</i>, 2018, 121, 011801.</p>	2.9	76
77	<p>Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{bc}^+. <i>Physical Review Letters</i>, 2018, 121, 011801.</p> <p>Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{bc}^+. <i>Physical Review Letters</i>, 2018, 121, 011801.</p>	2.9	75
78	<p>Observation of CP violation in $B^0 \rightarrow \bar{D}^0 \tau^+ \nu_\tau$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2012, 712, 203-212.</p>	1.6	75
79	<p>Measurements of the S-wave fraction in $B^0 \rightarrow \bar{D}^0 K^+ K^-$ decays and the $B^0 \rightarrow \bar{D}^0 K^+ K^-$ differential branching. <i>Journal of High Energy Physics</i>, 2016, 2016, 1.</p>	1.6	75
80	<p>Measurement of $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$ violation and the $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$ decay width difference with $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$. <i>Physical Review Letters</i>, 2012, 109, 232001.</p>	1.6	74
81	<p>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.</p>	1.6	74
82	<p>Measurement of resonant and non-resonant components in $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$. <i>Physical Review Letters</i>, 2012, 109, 232001.</p>	1.6	73
83	<p>Measurement of the $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$ production cross-section in proton-antiproton collisions via $B_c^- \rightarrow \bar{D}^0 \tau^- \bar{\nu}_\tau$. <i>Physical Review Letters</i>, 2012, 109, 232001.</p>		

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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 $D^* \rightarrow D \pi$ 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	61
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 $B \rightarrow \rho^+ \rho^-$ 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 the $B \rightarrow \rho^+ \rho^-$ decay amplitudes and the $B \rightarrow \rho^+ \rho^-$ CP asymmetry. 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 $B \rightarrow \rho^+ \rho^-$ decay amplitudes and the $B \rightarrow \rho^+ \rho^-$ CP asymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54
117	Study of the $D^0 \rightarrow \rho^+ \rho^-$ 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 $B \rightarrow \rho^+ \rho^-$. Physical Review Letters, 2013, 110, 151803.	2.9	51
126	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+ K^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51

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127	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> b \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{hadron fractions in } 13\text{ÅTeV} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> p \langle \text{mml:mi}> \langle \text{mml:mi}> p \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{collisions. Physical Review D, 2019, 100, .}$	1.6	51
128	Differential Branching Fraction and Angular Analysis of the Decay $B_0 \rightarrow K^* \bar{D}^+ \pi^-$. Physical Review Letters, 2012, 108, 181806.	2.9	50
129	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
130	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
131	Precision measurement of the ratio of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"> \langle \text{mml:msubsup}> \langle \text{mml:mrow}> \langle \text{mml:mi}> b \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{to } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"> \langle \text{mml:msup}> \langle \text{mml:mrow}> \langle \text{mml:mover}> \langle \text{mml:math}> \text{First observation and amplitude analysis of the } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msup}> \langle \text{mml:mi}> B \langle \text{mml:mi}> \langle \text{mml:mo}> \hat{a}^{\prime} \langle \text{mml:mo}> \langle \text{mml:msup}> \langle \text{mml:mo}> \hat{a}^{\prime} \langle \text{mml:mo}> \langle \text{mml:msup}> \langle \text{mml:mi}> D \langle \text{mml:mi}> \langle \text{mml:mo}> + \langle \text{mml:mo}> \langle \text{mml:msup}> \langle \text{mml:msup}> \langle \text{mml:mi}> K \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Phys Rev Lett. 2015, 115, 011801.}$	1.5	50
132	Observation of $B \rightarrow D^* \pi$ decays. Physical Review Letters, 2015, 115, 011801.	1.6	50
133	Two-Body Decays of $B \rightarrow s \bar{D}^0$ and $B \rightarrow s \bar{D}^+$. Physical Review Letters, 2012, 108, 201601.	2.9	49
134	Searches for Majorana neutrinos in $B \rightarrow \pi \pi$ decays. Physical Review D, 2012, 85, .	1.6	49
135	Measurements of long-range near-side angular correlations in $p\bar{p}$ proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2016, 369, 432-433.	1.5	49
136	Observation of New Resonances in the $B \rightarrow \pi \pi$ decays. Physical Review Letters, 2019, 123, 152001.	2.9	49
137	Observation of $B \rightarrow \pi \pi$ decays. Physical Review Letters, 2019, 123, 152001.	2.9	49

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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 $b \rightarrow c$ Baryons Decaying to $\Lambda_c^+ \bar{K}^0$ States. Physical Review Letters, 2020, 124, 032001.	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, .	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 $B_c^+ \rightarrow \mu^+ \nu_\mu X$. 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 $B^0 \rightarrow D^{\pm} K^{\mp}$ Decays. Physical Review Letters, 2020, 124, 032001.	2.9	42
156	Study of the $\bar{\chi}_{c1}(3823)$ and $\bar{\chi}_{c1}(3872)$ states in $B^+ \rightarrow \bar{\chi}_{c1} K^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
157	Amplitude analysis of the $B_c^+ \rightarrow \mu^+ \bar{\nu}_\mu \bar{\chi}_{c1}$ 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 $B_c^+ \rightarrow \mu^+ \nu_\mu \bar{\chi}_{c1}$. 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 $B \rightarrow \tau^+ K^0 \bar{\nu}_\tau + \bar{\nu}_\tau + \nu_\tau$. 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 $\Lambda_c^+ \rightarrow b \bar{c} \nu_c$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
166	Study of $\Lambda_c^+ \rightarrow b \bar{c} \nu_c$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
167	Search for beautiful tetraquarks in the $\bar{\psi}(1S) \psi$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
168	Search for $D^0 \rightarrow \tau^+ \nu_\tau \nu_\mu \bar{\nu}_\mu$ decays. Physical Review Letters, 2018, 121, 081801.	2.9	38
169	Measurement of the Forward-Backward Asymmetry in $Z \rightarrow \tau^+ \tau^-$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 882-886.	1.6	37
170	Amplitude Analysis of $B \rightarrow \tau^+ \nu_\tau \nu_\mu \bar{\nu}_\mu$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
171	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
172	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
173	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
174	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
175	Measurement of the relative rate of prompt $\bar{c} \rightarrow c \bar{c} \nu_c$ and $\bar{c} \rightarrow c \bar{c} \nu_c$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
176	Amplitude analysis and branching fraction measurement of $B \rightarrow \tau^+ \nu_\tau \nu_\mu \bar{\nu}_\mu$. Physical Review D, 2013, 87, .	1.6	36
177	Precision Measurement of the Mass and Lifetime of the Λ_c^+ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
178	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_\mu + \bar{\nu}_\mu + \nu_\tau$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
179	Measurement of the CKM angle β from a combination of $B \rightarrow \tau^+ \nu_\tau \nu_\mu \bar{\nu}_\mu$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	1.5	35
180	Measurement of the differential branching fraction of the decay $B \rightarrow \tau^+ \nu_\tau \nu_\mu \bar{\nu}_\mu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35

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181	Measurement of the $\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^0$ decay and measurement of the relative branching fractions $\mathcal{B}(\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^0) / \mathcal{B}(\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^+ \pi^-)$. Physical Review Letters, 2013, 111, 102003.	0.9	35
182	Precision Measurement of the $\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^0$ decay. Physical Review Letters, 2013, 111, 102003.	0.9	35
183	Observation of the $\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
184	Model-independent confirmation of the $\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^0$ 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 $\arg(\rho_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	34
188	Measurement of the CP-violating phase $\arg(\rho_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	34
189	Measurement of the CP-violating phase $\arg(\rho_{cb})$. 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
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193	Measurement of the CP-violating phase $\arg(\rho_{cb})$. Journal of High Energy Physics, 2017, 2017, .	1.5	33
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195	Search for the rare decay $\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+ \pi^0$. 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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200	Search for the rare decays $B \rightarrow B^0 \tau^+ \tau^-$ and $B \rightarrow B^0 \tau^+ \tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.6	32
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202	Observation of the decay $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review Letters, 2013, 111, 141801.	1.6	32
203	Measurement of the ratio of $B \rightarrow B^0 \tau^+ \tau^-$ and $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2013, 87, 111101.	1.6	32
204	Search for the lepton flavour violating decay $B \rightarrow B^0 \tau^+ \tau^- e^+ e^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
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207	Studies of beauty baryon decays to $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2014, 89, 111101.	1.6	31
208	Measurement of the CP-violating phase β in $B \rightarrow B^0 \tau^+ \tau^-$. Physical Review D, 2014, 89, 111101.	1.5	31
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219	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and P_1 parameter. Journal of High Energy Physics, 2018, 2018, .	1.5	29
220	Study of $D \rightarrow s$ decays to $\{D^{*+}\}K_{\text{S}}$ and $D \rightarrow K^*0$ 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 P_1 parameter. Journal of High Energy Physics, 2018, 2018, .	2.9	29
223	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and P_1 parameter. Journal of High Energy Physics, 2018, 2018, .	2.9	29
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233	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ branching fraction and P_1 parameter. Journal of High Energy Physics, 2018, 2018, .	1.6	28
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237	Violation in $B^0 \rightarrow D^+ K^-$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	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 $B^0 \rightarrow D^+ K^-$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	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
242	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	26
243	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^0$. <i>Journal of High Energy Physics</i> , 2014, 2014, .	1.6	26
244	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014, 112, .	2.9	26
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248	Measurements of the branching fractions for $B^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	26
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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
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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. <i>European Physical Journal C</i>, 2013, 73, 2462.</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 $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$ and $\Lambda_b^0 \rightarrow \Lambda^0 \pi^+$ decays and searches for other Λ_b^0 and Λ_c^+ 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 $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ Decays. <i>Physical Review Letters</i>, 2019, 122, 152002.</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 $B^0 \rightarrow \pi^0 \pi^0$ Baryon Lifetime. <i>Physical Review Letters</i>, 2018, 121, 092003.</p>	2.9	23
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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 $C \rightarrow P$ Asymmetry in charm. Physical Review Letters, 2013, 110, 031801.	2.9	22
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276	Measurement of the $C \rightarrow P$ Asymmetry in charm. Physical Review Letters, 2012, 108, 151801.	2.9	22
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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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282	Measurement of the properties of the $\hat{\Sigma} b^-$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
283	Observation of the decay $B \rightarrow s$ and evidence for $B \rightarrow \bar{K}^0$. Physical Review Letters, 2017, 119, 181805.	1.6	21
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287	Measurements of the branching fractions and CP asymmetries of $B^{\pm} \rightarrow \bar{D}^{\pm} K^{\pm}$ and $B^{\pm} \rightarrow \bar{D}^{\pm} K^{\pm}(2S)$ decays. Physical Review D, 2012, 85, .	1.6	20
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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 $B^0 \rightarrow K^+ K^-$ -Violating Phase in B^0 Decays. <i>Physical Review Letters</i> , 2013, 110, 241802.	2.9	19
304	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^+ K^-$ and $B_s^0 \rightarrow D^0 K^0$. <i>Physical Review D</i> , 2013, 87, .	1.6	19
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309	Measurement of the $B_s \rightarrow \tilde{t} \tilde{t}^* \gamma$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, .	1.6	18
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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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321	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and $\tilde{c} \rightarrow \tilde{c} \gamma$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	0.9	17
322	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and $\tilde{c} \rightarrow \tilde{c} \gamma$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	0.9	17
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324	Measurement of the effective $\tilde{c} \rightarrow \tilde{c} \gamma$ branching fraction and $\tilde{c} \rightarrow \tilde{c} \gamma$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 249-256.	2.9	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
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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 $B^0 \rightarrow \bar{c}c \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
334	Measurement of the $B^0 \rightarrow \bar{c}c \gamma$ 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 $B^0 \rightarrow B^0 \gamma$. Measurement of $B^0 \rightarrow B^0 \gamma$ and $B^0 \rightarrow B^0 \gamma$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.6	17
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