

# Ricardo Graciani Diaz

## List of Publications by Year in descending order

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623  
papers

31,382  
citations

6233

80  
h-index

8138

148  
g-index

634  
all docs

634  
docs citations

634  
times ranked

11240  
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 $B \rightarrow K^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2014, 113, 151601. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	2.9	845
3	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$ . Physical Review Letters, 2014, 113, 151601. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	2.9	816
4	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.	1.6	640
5	Measurement of the Ratio of Branching Fractions $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2014, 113, 151601. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>		



#	ARTICLE	IF	CITATIONS
19	Exclusive photoproduction of $J/\psi$ mesons at HERA. European Physical Journal C, 2002, 24, 345-360.	1.4	270
20	Measurement of the Fraction and Search for $B_s^0 \rightarrow B^0 \hat{\tau}^+ \tau^-$ . Physical Review Letters, 2013, 111, 101805.	2.9	258
21	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	238
22	Observation of Five New Narrow States Decaying to $\hat{C}^0 c^0$ . Physical Review Letters, 2013, 111, 101805.	2.9	234
23	Measurement of $B^0 \rightarrow K^0 \tau^+ \tau^-$ . Physical Review Letters, 2013, 111, 101805.		

#	ARTICLE	IF	CITATIONS
37	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 53-68.	1.4	148
38	Observation of X(3872) production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	153
39	Consistent with Exotic States from Amplitude Analysis of Structures. Physical Review Letters, 2020, 124, 041801.	2.9	150
40	Search for Hidden-Sector Bosons in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2015, 115, 161802.	2.9	148
41	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
42	Physics potential of the International Axion Observatory (IA XO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.9	135
43	Measurement of the proton structure function F2 and at low and very low x at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 432-448.	1.5	129
44	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	0.5	127
45	First observation of the doubly charmed baryon decay $\Lambda_{cc}^{\prime\prime}$ in pp collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV. European Physical Journal C, 2010, 65, 111-125.	1.4	124
46	First observation of the doubly charmed baryon decay $\Lambda_{cc}^{\prime\prime}$ in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 347, 297-300.	1.5	123
47	Measurement of the $J/\psi$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
48	Measurement of $b$ hadron production fractions in $\sqrt{s}=7$ TeV pp collisions. Physical Review D, 2012, 85, 032005.	1.6	116
49	Evidence for the decay $X(3872) \rightarrow \psi(2S) \chi_{c0}$ . Physical Review Letters, 2013, 111, 162001.	0.9	114
50	Search for Dark Photons Produced in $\sqrt{s}=13$ TeV pp Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
51	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \chi_{c0}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111

#	ARTICLE	IF	CITATIONS
55	Updated measurements of exclusive $J/\psi$ 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
56	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
57	Evidence for Exotic Hadron Contributions to $J/\psi$ Production in $pp$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 110, 221601.	2.9	110
58	Measurement of the $J/\psi$ production cross-section in $pp$ collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	2.9	108
59	Measurement of $J/\psi$ production in $pp$ collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
60	Search for Majorana Neutrinos in $B \rightarrow J/\psi \ell \bar{\ell}$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
61	First Observation of $J/\psi$ Production in the Decays of $B_c$ Mesons. Physical Review Letters, 2013, 110, 221601.	2.9	105
62	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
63	Exclusive $J/\psi$ 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
64	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
65	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow J/\psi \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
66	Model-Independent Evidence for $J/\psi$ Contributions to $B_c$ Production in $pp$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 181801.	2.9	102
67	Measurement of $J/\psi$ Production in the Phase Space of $B_c$ Mesons. Physical Review Letters, 2013, 111, 181801.	2.9	101
68	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
69	Differential branching fraction and angular analysis of the decay $B_c \rightarrow J/\psi \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	99
70	Observation of Excited $J/\psi$ Production in $pp$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 172003.	2.9	98
71	DIRAC: a community grid solution. Journal of Physics: Conference Series, 2008, 119, 062048.	0.3	96
72	Measurement of elastic $J/\psi$ photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 437, 432-444.	1.5	94

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73	Amplitude analysis of $B \rightarrow D^+ \bar{K}^0$ decays. <i>Physical Review D</i> , 2017, 95, 074004.	1.6	92
74	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	89
75	Measurement of the proton structure function $F_2$ at low $x$ and low $Q^2$ at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996, 69, 607-620.	1.5	88
76	Measurement of $\Upsilon(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 2100.	1.4	83
77	Study of $D^0$ meson decays to $D^+ \bar{K}^0$ , $D^0 \pi^+$ and $D^+ \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	82
78	Measurement of the $B \rightarrow D^0 \pi^+$ decay. <i>Physical Review Letters</i> , 2014, 113, 162001.	2.9	82
79	Differential branching fraction and angular analysis of $B^0 \rightarrow D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, .	1.6	82
80	Search for the Decays $B \rightarrow D^0 \pi^+$ and $B \rightarrow D^+ \pi^0$ . <i>Physical Review Letters</i> , 2017, 118, 251802.	2.9	81
81	Measurement of elastic $\pi\pi$ photoproduction at HERA. <i>Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 377, 259-272.	1.5	80
82	Observation of Overlapping Spin-1 and Spin-3 $B \rightarrow D^0 \pi^+$ decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	2.9	80
83	Search for long-lived scalar particles in $B \rightarrow D^0 \pi^+$ decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	1.6	80
84	Measurement of the cross section for the reaction $\bar{p} p \rightarrow \bar{K}^0 \pi^0$ with the ZEUS detector at HERA. <i>Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 350, 120-134.	1.6	79
85	Measurement of $B \rightarrow D^0 \pi^+$ violation in the Phase Space. <i>Physical Review Letters</i> , 2014, 112, 011801.	1.5	78
86	Search for Structure in the $B \rightarrow D^0 \pi^+$ Mass Spectrum. <i>Physical Review Letters</i> , 2016, 117, 152003.	2.9	78
87	Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter. <i>Nuclear Physics B</i> , 2005, 713, 3-80.	0.9	77
89	First observation of $B \rightarrow D^0 \pi^+$ decay. <i>Physical Review Letters</i> , 2011, 106, 011801.	1.5	77
90	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

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91	Observation of a New $\Lambda_{cb}^0$ baryon. <i>Physical Review Letters</i> , 2018, 121, 242001. <a href="https://doi.org/10.1103/PhysRevLett.121.242001">https://doi.org/10.1103/PhysRevLett.121.242001</a>	2.9	77
92	Measurement of the Lifetime of the Doubly Charmed Baryon $\Lambda_{cc}^+$ . <i>Physical Review Letters</i> , 2018, 121, 242002. <a href="https://doi.org/10.1103/PhysRevLett.121.242002">https://doi.org/10.1103/PhysRevLett.121.242002</a>	2.9	76
93	Measurement of the Lifetime of the Doubly Charmed Baryon $\Lambda_{cc}^+$ . <i>Physical Review Letters</i> , 2018, 121, 242002. <a href="https://doi.org/10.1103/PhysRevLett.121.242002">https://doi.org/10.1103/PhysRevLett.121.242002</a>	2.9	75
94	Observation of CP violation in $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 203-212. <a href="https://doi.org/10.1016/j.physletb.2012.04.041">https://doi.org/10.1016/j.physletb.2012.04.041</a>	1.6	75
95	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^0$ and $B^0 \rightarrow K^+ K^- \pi^0$ decays and the $B^0 \rightarrow K^+ K^- \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. <a href="https://doi.org/10.1088/1126-6708/2016/01/014">https://doi.org/10.1088/1126-6708/2016/01/014</a>	1.6	75
96	Measurement of resonant and non-resonant $B^0 \rightarrow K^+ K^- \pi^0$ components in $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. <a href="https://doi.org/10.1088/1126-6708/2014/01/014">https://doi.org/10.1088/1126-6708/2014/01/014</a>	1.6	74
97	Study of $J/\psi$ 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. <a href="https://doi.org/10.1088/1126-6708/2014/01/014">https://doi.org/10.1088/1126-6708/2014/01/014</a>	1.6	74
98	Measurement of resonant and non-resonant $B^0 \rightarrow K^+ K^- \pi^0$ components in $B^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. <a href="https://doi.org/10.1088/1126-6708/2014/01/014">https://doi.org/10.1088/1126-6708/2014/01/014</a>	1.6	73
99	Measurement of the $\beta_c(1S)$ production cross-section in proton-antiproton collisions via $\beta_c(1S) \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2018, 121, 242003. <a href="https://doi.org/10.1103/PhysRevLett.121.242003">https://doi.org/10.1103/PhysRevLett.121.242003</a>		

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109	Dijet cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 665-680.	1.5	66
110	Exclusive $\bar{t}t$ production in deep inelastic electron-proton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 601-616.	1.5	66
111	Analysis of the resonant components in $B \rightarrow D^* \bar{K}^0$ decays. Journal of High Energy Physics, 2011, 2011, 165.	1.6	65
112	Search for the $B \rightarrow D^* \bar{K}^0$ decay. Journal of High Energy Physics, 2011, 2011, 165.	1.6	65
113	Measurement of the isospin asymmetry in $B \rightarrow D^* \bar{K}^0$ decays. Journal of High Energy Physics, 2012, 2012, 165.	1.6	65
114	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
115	Production of $J/\psi$ and $\Upsilon$ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
116	Observation of $D^0$ oscillation. Physical Review Letters, 2010, 105, 011802.	2.9	65
117	Measurements of $B \rightarrow D^* \bar{K}^0$ decays. Physical Review Letters, 2010, 105, 011802.	1.6	65
118	Precision measurement of $B \rightarrow D^* \bar{K}^0$ decays. Physical Review Letters, 2010, 105, 011802.	2.9	65
119	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
120	Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 228-243.	1.5	63
121	First Observation of the Decay $B \rightarrow D^* \bar{K}^0$ . Physical Review Letters, 2012, 108, 251802.	1.6	61
122	Two-pion Bose-Einstein correlations in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2010, 82, 012001.	1.6	61
123	Determination of the Sign of the Decay Width Difference in $B \rightarrow D^* \bar{K}^0$ . Physical Review Letters, 2012, 108, 241801.	2.9	61
124	Measurement of $B \rightarrow D^* \bar{K}^0$ decays in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2015, 114, 132001.	2.9	61
125	Analysis of the resonant components in $B \rightarrow D^* \bar{K}^0$ decays. Journal of High Energy Physics, 2011, 2011, 165.	1.5	60
126	Measurement of $B \rightarrow D^* \bar{K}^0$ decays. Physical Review D, 2013, 87, .	1.6	60



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127	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
128	Precision measurement of the $B^0 \rightarrow \overline{B^0}$ oscillation frequency with the decay $B^0 \rightarrow D^+ \pi^-$ . New Journal of Physics, 2013, 15, 053021.	1.2	59
129	Measurement of forward W and Z boson production in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, .	1.6	59
130	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
131	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
132	Evidence for an $\eta_c(1S) \pi^+ \pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$		

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145	Measurement of $\Psi(2S)$ $\bar{\Psi}(2S)$ polarisation in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
146	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
147	Measurement of the exclusive $\Upsilon$ 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
148	Measurement of the $b$ -Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
149	Measurement of exclusive $\Upsilon$ electroproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 273-288.	1.5	51
150	First Observation of the Decay $B_c \rightarrow \Upsilon \ell \bar{\nu}_\ell$ . Physical Review Letters, 2013, 110, 151803.	2.9	51
151	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \bar{K}^0$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
152	Measurement of hadron fractions in 13 TeV $pp$ collisions. Physical Review D, 2019, 100, .	1.6	51
153	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \rho^0$ . Physical Review Letters, 2012, 108, 181806.	2.9	50
154	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
155	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
156	Precision measurement of the ratio of the $B^0 \rightarrow \rho^0 \ell^+ \ell^-$ to $B^0 \rightarrow \rho^0 \mu^+ \mu^-$ branching fractions. Physical Review Letters, 2012, 108, 201601.	1.5	50
157	First observation and amplitude analysis of the $B^0 \rightarrow \rho^0 \ell^+ \ell^-$ decay. Physical Review Letters, 2012, 108, 201601.	1.6	50
158	First Evidence of Direct CP Violation in Charmless Two-Body Decays of $B^0 \rightarrow C^+ P^-$ . Physical Review Letters, 2012, 108, 201601.	2.9	49
159	Searches for Majorana neutrinos in $B^0$ decays. Physical Review D, 2012, 85, .	1.6	49
160	Measurements of long-range near-side angular correlations in $pp$ and $pN$ collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	1.5	49
161	Observation of New Resonances in the $B^0 \rightarrow \rho^0 \ell^+ \ell^-$ Decay. Physical Review Letters, 2012, 108, 201601.	2.9	49
162	Measurement of the cross-section ratio $\sigma(B^0 \rightarrow \rho^0 \ell^+ \ell^-) / \sigma(B^0 \rightarrow \rho^0 \mu^+ \mu^-)$ . Physical Review Letters, 2012, 108, 201601.	1.5	49





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199	Determination of Abraham model solute descriptors for benzoin based on measured solubility ratios. <i>Physics and Chemistry of Liquids</i> , 2012, 50, 254-265.	0.4	37
200	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^- + \tau^+ \tau^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	37
201	Production of associated $\Upsilon$ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	37
202	Prompt and nonprompt $J/\psi$ production and nuclear modification in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 159-178.	1.5	37
203	First observation of the decay $B \rightarrow \tau^+ \tau^- + \tau^+ \tau^-$ . <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	36
204	Measurement of the relative rate of prompt $J/\psi$ , $J/\psi(1S)$ and $J/\psi(2S)$ production at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	36
205	Amplitude analysis and branching fraction measurement of $B \rightarrow \tau^+ \tau^-$ . <i>Physical Review D</i> , 2013, 87, .	1.6	36
206	Precision Measurement of the Mass and Lifetime of the $\Omega_b$ Baryon. <i>Physical Review Letters</i> , 2014, 113, 032001.	2.9	36
207	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \tau^+ \tau^-$ decay. <i>Journal of High Energy Physics</i> , 2015, 2015, .	1.6	36
208	Measurement of inclusive prompt photon photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 472, 175-188.	1.5	35
209	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow \tau^+ \tau^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 151-163.	1.5	35
210	Measurement of the differential branching fraction of the decay $B \rightarrow \tau^+ \tau^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	1.5	35
211	Measurement of the relative branching fractions of $B \rightarrow \tau^+ \tau^-$ and measurement of the lifetime. <i>Physical Review Letters</i> , 2013, 111, 102003.	0.9	35
212	Precision Measurement of the $B \rightarrow \tau^+ \tau^-$ Lifetime. <i>Physical Review Letters</i> , 2013, 111, 102003.	1.5	35
213	Observation of the $B \rightarrow \tau^+ \tau^-$ decay. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	35
214	Model-independent confirmation of the $B \rightarrow \tau^+ \tau^-$ decay. <i>Physical Review Letters</i> , 2015, 92, .	1.5	35
215	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, .	1.6	35
216	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	35

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217	Measurement of inclusive ( $D_s^\pm$ ) photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 213-227.	1.5	34
218	Measurement of the CP-violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2013, 2013, 1-13.	1.5	34
219	Measurement of the flavour-specific CP-violating asymmetry $A_{FB}^{\text{CP}}$ in $B \rightarrow D^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2013, 2013, 1-13.	1.5	34
220	Measurement of the CP-violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2013, 2013, 1-13.	1.5	34
221	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
222	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
223	Angular moments of the decay $\hat{B}^0 \rightarrow \mu^+ \mu^- \gamma$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
224	Measurement of Charged and Neutral Current Deep Inelastic Scattering Cross Sections at High Q <sup>2</sup> . Physical Review Letters, 1995, 75, 1006-1011.	2.9	33
225	Measurement of dijet production in neutral current deep inelastic scattering at high Q <sup>2</sup> and determination of $\hat{\alpha}_s$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 70-88.	1.5	33
226	Measurement of the CP-violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2013, 2013, 1-13.	1.5	33
227	Search for direct CP violation in $B \rightarrow D^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2013, 2013, 1-13.	1.5	33
228	Search for the rare decay $B \rightarrow D^* \mu^+ \mu^-$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
229	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
230	Study of $\hat{\chi}^0$ 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
231	Measurement of forward $Z \rightarrow e^+ e^-$ production at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
232	Precision measurement of the $\chi_{cc}^{++}$ mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
233	Inclusive jet differential cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 417-432.	1.5	32
234	Dijet production in neutral current deep inelastic scattering at HERA. European Physical Journal C, 2002, 23, 13-27.	1.4	32

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242	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
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261	Measurement of the $\psi(2S)$ production cross section in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, .	2.9	29
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268	First Observation of a Baryonic $B_c$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
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277	Measurement of $B \rightarrow K^* \gamma$ production in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
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292	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7$ mTeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
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320	Measurement of the $C \rightarrow P$ asymmetry in $B^0 \rightarrow D^0 \pi^0$ decays. Physical Review Letters, 2013, 110, 031801.	2.9	22
321	Measurement of the CKM angle $\hat{\beta}$ using $B^0 \rightarrow D^0 K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.5	21
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334	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow D^+ D^-$ and $B^0 \rightarrow D^0 D^0$ decays. Physical Review D, 2012, 85, .	1.6	20
335	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow D^+ D^-$ and $B^0 \rightarrow D^0 D^0$ decays. Physical Review D, 2012, 85, .	1.6	20
336	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow D^+ D^-$ and $B^0 \rightarrow D^0 D^0$ decays. Physical Review D, 2012, 85, .	2.9	20
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340	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \tau^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
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342	Studies of the resonance structure in $B \rightarrow D^+ D^-$ and $B \rightarrow D^0 D^0$ decays. Physical Review D, 2016, 93, .	1.6	20



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377	Search for the decay $B_s \rightarrow D^0 \Upsilon_{c1,2}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
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382	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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399	Observation of the suppressed decay $B \rightarrow \pi^0 \pi^0 \pi^0$ . $\text{xmlns:xocs}="http://www.elsevier.com/xml/xocs/dtd"$ $\text{xmlns:xs}="http://www.w3.org/2001/XMLSchema"$ $\text{xmlns:xsi}="http://www.w3.org/2001/XMLSchema-instance"$ $\text{xmlns}="http://www.elsevier.com/xml/ja/dtd"$ $\text{xmlns:ja}="http://www.elsevier.com/xml/ja/dtd"$ $\text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"$ $\text{xmlns:tb}="http://www.elsevier.com/xml/common/table/dtd"$ $\text{xmlns:sb}="http://www.elsevier.com/xml/common/struct-bib/dtd"$ $\text{xmlns:ce}="http://www.elsevier.com/x"$ $\text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"$ $\text{altimg}="si1.gif"$ $\text{overflow}="scroll"$ < mml:msup > < mml:mrow > < mml:mi > B < /mml:mi > < /mml:mrow > < mml:mrow > < mml:mo > $\hat{\pm}$ < /mml:mo > < /mml:mrow > < /mml:math >	1.5	15
400	Observation of the suppressed decay $B \rightarrow \pi^0 \pi^0 \pi^0$ . $\text{xmlns:xocs}="http://www.elsevier.com/xml/xocs/dtd"$ $\text{xmlns:xs}="http://www.w3.org/2001/XMLSchema"$ $\text{xmlns:xsi}="http://www.w3.org/2001/XMLSchema-instance"$ $\text{xmlns}="http://www.elsevier.com/xml/ja/dtd"$ $\text{xmlns:ja}="http://www.elsevier.com/xml/ja/dtd"$ $\text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"$ $\text{xmlns:tb}="http://www.elsevier.com/xml/common/table/dtd"$ $\text{xmlns:sb}="http://www.elsevier.com/xml/common/struct-bib/dtd"$ $\text{xmlns:ce}="http://www.elsevier.com/x"$	1.5	15
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