

# Juan JosÃ© Saborido Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

519  
papers

27,223  
citations

7551

77  
h-index

9839

141  
g-index

530  
all docs

530  
docs citations

530  
times ranked

9472  
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 $B \rightarrow K^* \ell^+ \ell^-$ 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 $J/\psi \rightarrow p \bar{p}$ Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(J/\psi \rightarrow p \bar{p})}{\mathcal{B}(J/\psi \rightarrow e^+ e^-)}$ 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	Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(J/\psi \rightarrow p \bar{p})}{\mathcal{B}(J/\psi \rightarrow e^+ e^-)}$ 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
37	Search for Hidden-Sector Bosons in $B \rightarrow K^* \ell \bar{\ell}$ Decays. Physical Review Letters, 2015, 115, 161802.	2.9	138
38	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	0.5	127
39	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^+ \rightarrow \Lambda_c^+ \ell^+ \ell^-$ . Physical Review Letters, 2013, 110, 221601.	2.9	122
40	Next-to-leading order QCD analysis of the spin structure function $g_1$ . Physical Review D, 1998, 58, .	1.6	117
41	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
42	Measurement of $b \rightarrow c$ hadron production fractions in $7 \text{ TeV}$ collisions. Physical Review D, 2012, 85, .	1.6	116
43	Evidence for the decay $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review Letters, 2012, 109, 111801.	1.5	115
44	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and angular analysis. Journal of High Energy Physics, 2013, 2013, 1.	0.9	114
45	Search for Dark Photons Produced in $13 \text{ TeV}$ Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
46	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
47	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
48	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
49	Evidence for Exotic Hadron Contributions to $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2013, 110, 221601.	2.9	110
50	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and angular analysis. Journal of High Energy Physics, 2013, 2013, 1.	2.9	108
51	Measurement of $\bar{\Lambda}^0$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
52	Search for Majorana Neutrinos in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
53	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 110, 221601.	2.9	105
54	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105

#	ARTICLE	IF	CITATIONS
55	Exclusive $J/\psi$ and $\psi(2S)$ production in $pp$ collisions at $\sqrt{s} = 7\text{ TeV}$ . Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104
56	Observation of double charm production involving open charm in $pp$ collisions at $\sqrt{s} = \{7\};\{\text{ext}\{\text{TeV}\}\}$ \$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
57	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
58	Model-independent Evidence for $J/\psi$ production in $B \rightarrow J/\psi p$ decays. Contributions to $B \rightarrow J/\psi p$ decays. Journal of High Energy Physics, 2013, 2013, 1.	2.9	102
59	Measurement of $B \rightarrow C P$ violation in the Phase Space of $B \rightarrow C P$ decays. Physical Review Letters, 2013, 111, 101801.	2.9	101
60	Measurements of prompt charm production cross-sections in $pp$ collisions at $s = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
61	Dalitz plot analysis of $B \rightarrow D K$ decays. Physical Review Letters, 2013, 111, 101801.	1.6	99
62	Observation of Excited $B$ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98
63	Spin asymmetries for events with high $p_T$ hadrons in DIS and an evaluation of the gluon polarization. Physical Review D, 2004, 70, .	1.6	96
64	Polarisation of valence and non-strange sea quarks in the nucleon from semi-inclusive spin asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 93-100.	1.5	95
65	Amplitude analysis of $B \rightarrow K \ell^+ \ell^-$ decays. Physical Review Letters, 2013, 111, 101801.	1.6	92
66	First measurement of the $B \rightarrow K \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 369, 101-104.	1.5	90
67	Spin asymmetry in muon-proton deep inelastic scattering on a transversely-polarized target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 336, 125-130.	1.5	89
68	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
69	Study of $D$ 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
70	Measurement of the $B \rightarrow K \ell^+ \ell^-$ decays. Physical Review Letters, 2013, 111, 101801.	2.9	82
71	Differential branching fraction and angular analysis of $B \rightarrow K \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
72	Search for the Decays $B \rightarrow K \ell^+ \ell^-$ and $B \rightarrow K \ell^+ \ell^-$ . Physical Review Letters, 2017, 118, 251802.	2.9	81

#	ARTICLE	IF	CITATIONS
73	Observation of Overlapping Spin-1 and Spin-3 $\chi_{c0}$ and $\chi_{c2}$ states in the Dalitz plot analysis of $B \rightarrow D \pi \pi$ decays. Physical Review D, 2015, 92, 074004.	2.9	80
74	Measurement of the branching fraction of $B \rightarrow D \pi \pi$ decays. Physical Review D, 2015, 92, 074004.	1.6	80
75	Measurement of the branching fraction of $B \rightarrow D \pi \pi$ decays. Physical Review D, 2015, 92, 074004.	1.6	79
76	Violation in the Phase Space of $B \rightarrow D \pi \pi$ decays. Physical Review Letters, 2014, 112, 011801.	2.9	78
77	Search for Structure in the $B \rightarrow D \pi \pi$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	78
78	First observation of $B \rightarrow D \pi \pi$ decays. Physical Review Letters, 2014, 112, 011801.	1.5	77
79	Particle and High-Energy Physics, 2011, 698, 115-122. Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	1.5	77
80	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}$ . Physical Review Letters, 2018, 121, 022001.	2.9	76
81	Measurement of the branching fraction of $B \rightarrow D \pi \pi$ decays. Physical Review Letters, 2018, 121, 022001.	2.9	75
82	Observation of CP violation in $B \rightarrow D \pi \pi$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	75
83	Measurements of the S-wave fraction in $B \rightarrow D \pi \pi$ decays and the $B \rightarrow D \pi \pi$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
84	The spin-dependent structure function $g_1(x)$ of the proton from polarized deep-inelastic muon scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 412, 414-424.	1.5	74
85	Measurement of $B \rightarrow D \pi \pi$ violation and the $B \rightarrow D \pi \pi$ components in $B \rightarrow D \pi \pi$ decays. Physical Review Letters, 2018, 121, 022001.	1.6	74
86	Measurement of resonant and non-resonant $B \rightarrow D \pi \pi$ components in $B \rightarrow D \pi \pi$ decays. Physical Review Letters, 2018, 121, 022001.	1.6	73
87	Measurement of the $\pi^+ \pi^- \rightarrow \pi^+ \pi^-$ production cross-section in proton-antiproton collisions via $\pi^+ \pi^- \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2018, 121, 022001.		

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91	Spin asymmetries of the proton and the deuteron in the low and low Q <sup>2</sup> region from polarized high energy muon scattering. <i>Physical Review D</i> , 1999, 60, .	1.6	69
92	Quantum numbers of the $X(3872)$ . <i>Physical Review D</i> , 2008, 78, 014005.	1.6	69
93	Measurement of the forward Z boson production cross-section in pp collisions at s = 7 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	69
94	Measurement of the resonant and non-resonant components in the $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2014, 90, 014005.	1.6	67
95	Combined analysis of world data on nucleon spin structure functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 320, 400-406.	1.5	66
96	Analysis of the resonant components in the $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2012, 86, .	1.6	65
97	Measurement of the isospin asymmetry in $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2012, 2012, 165		
98	Production of $J/\psi$ and $\Upsilon$ mesons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	65
99	Observation of $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2012, 108, 251802.	2.9	65
100	Measurements of $B \rightarrow K^* \ell^+ \ell^-$ violation in the three-body phase space of charmless $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2014, 90, .	1.6	65
101	Violation in $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2015, 114, 041801.	2.9	65
102	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017, 13, 391-396.	6.5	64
103	First Observation of the Decay $B \rightarrow c \ell^+ \ell^-$ . <i>Physical Review Letters</i> , 2012, 108, 251802.	2.9	62
104	Determination of the Sign of the Decay Width Difference in the $B \rightarrow c \ell^+ \ell^-$ System. <i>Physical Review Letters</i> , 2012, 108, 241801.	2.9	61
105	Measurement of $B \rightarrow c \ell^+ \ell^-$ in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	2.9	61
106	Search for the rare decays $B \rightarrow K^* \ell^+ \ell^-$ . <i>Physical Review Letters</i> , 2013, 111, 032001.	1.5	60
107	Analysis of the resonant components in the $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 699, 330-340.	1.6	60
108	Measurement of forward $J/\psi$ production cross-sections in pp collisions at s = 13 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	60

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





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145	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
146	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
147	First Observation of Excited $\chi_{c1}$ Mesons. Physical Review Letters, 2020, 124, 082002.	2.9	44
148	Measurement of the $D^0$ meson lifetime using $D^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2020, 124, 082002.	2.9	44
149	Measurement of the $B_c$ meson lifetime using $B_c \rightarrow \mu^+ \mu^-$ decays. European Physical Journal C, 2014, 74, 2839.	1.4	43
150	Observation of an Excited $B_c$ Meson. Physical Review Letters, 2019, 122, 232001.	2.9	43
151	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.5	42
152	Measurement of the Difference of Time-Integrated Asymmetries in $D^0$ Decays. Physical Review Letters, 2020, 124, 082002.	2.9	42
153	Amplitude Analysis of the $D^0$ Meson. Physical Review D, 2020, 101, 014001.	1.6	42
154	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
155	Measurement of Antiproton Production in $pp$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
156	Measurement of the CP-violating phase $\arg(\lambda_{cb})$ . Physical Review Letters, 2018, 121, 222001.	1.5	40
157	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ K^0$ . Physical Review Letters, 2012, 108, 101601.	2.9	39
158	Precision Measurement of the Mass and Lifetime of the $D^0$ Meson. Physical Review Letters, 2014, 113, 242002.	2.9	39
159	Study of the kinematic dependences of $\hat{b}^0$ production and a measurement of the $\hat{b}^0$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
160	Study of $J/\psi$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
161	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
162	Measurement of the $D^0$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	1.5	38

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163	Amplitude Analysis of $B \rightarrow \bar{c} \ell \nu$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
164	Determination of $B \rightarrow \bar{c} \ell \nu$ scattering lengths from measurement of $B \rightarrow \bar{c} \ell \nu$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 24-29.	1.6	37
165	Measurement of the forward-backward asymmetry in $Z \rightarrow \bar{c} c$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
166	Production of associated $\Upsilon$ 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
167	Prompt and nonprompt $J/\psi$ 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
168	First observation of the decay $B \rightarrow \bar{c} \ell \nu$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
169	Measurement of the relative rate of prompt $J/\psi$ , $J/\psi(1S)$ and $J/\psi(2S)$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
170	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{c} \ell \nu$ . Physical Review D, 2013, 87, .	1.6	36
171	Precision Measurement of the Mass and Lifetime of the $\Lambda_b^0$ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
172	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
173	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow \bar{c} \ell \nu$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	1.5	35
174	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{c} \ell \nu$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
175	Measurement of the relative branching fractions of $B \rightarrow \bar{c} \ell \nu$ and measurement of the CKM angle $\beta$ . Physical Review Letters, 2013, 111, 102003.	0.9	35
176	Precision Measurement of the $\Lambda_b^0$ Baryon Lifetime. Physical Review Letters, 2013, 111, 102003.	1.6	35
177	Observation of the $B \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
178	Model-independent confirmation of the $B \rightarrow \bar{c} \ell \nu$ decay. Physical Review Letters, 2015, 92, .	1.6	35
179	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
180	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35

#	ARTICLE	IF	CITATIONS
181	DIRAC: A high resolution spectrometer for ponium detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, Measurement of the $\chi$ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	0.7	34
182	Measurement of the CP-violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	34
183	Measurement of the flavour-specific CP-violating asymmetry $A_{CP}^{\text{FB}}(B \rightarrow D^* \ell^+ \ell^-)$ in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	34
184	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.	1.5	34
185	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
186	Angular moments of the decay $B \rightarrow D^* \ell^+ \ell^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
187	Measurement of the CP-violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	33
188	Search for direct CP violation in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	33
189	Search for the rare decay $B \rightarrow D^* \ell^+ \ell^-$ modes using semileptonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	1.5	33
190	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
191	Study of $\chi$ 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
192	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
193	Precision measurement of the $\chi$ mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
194	Search for the rare decays $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.6	32
195	Search for the Lepton-Flavor-Violating Decays $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 014180.	1.6	32
196	Observation of the decay $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 014180.	1.6	32
197	Measurement of the Semileptonic $B \rightarrow D^* \ell^+ \ell^-$ Asymmetry in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2013, 87, 112005.	1.6	32
198	Measurement of the Semileptonic $B \rightarrow D^* \ell^+ \ell^-$ Asymmetry in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2013, 87, 112005.	1.6	32



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217	Measurement of the lifetime of the $B_c$ meson. Physical Review D, 2016, 93, 11, 114004. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	2.9	29
218	Measurement of the CKM angle $\beta$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
219	Measurement of the shape of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
220	Near-threshold $D^* \rightarrow D^* \gamma$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
221	Determination of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 107, 21.	2.9	28
222	Collisions and Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
223	First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
224	First Observation of a Baryonic $B_c$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
225	Observation of the Decays $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \bar{\nu}_\ell$ . Physical Review Letters, 2017, 119, 062001.	2.9	28
226	Studies of the resonance structure in $D^* \rightarrow K^* \pi^+ \pi^- \pi^0$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
227	Measurement of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2017, 119, 062001.	1.6	28
228	Observation of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 107, 21.	2.9	27
229	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Nuclear Physics B, 2014, 888, 169-193.	1.5	27
230	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Nuclear Physics B, 2014, 888, 169-193.	0.9	27
231	Violation in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 107, 21.	2.9	27
232	Measurement of $\Upsilon$ production in $p p$ collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
233	Oscillations in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2011, 107, 21.	2.9	27
234	Measurement of the polarisation of a high energy muon beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 363-373.	0.7	26

#	ARTICLE	IF	CITATIONS
235	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and $7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 72, 1.	1.5	26
236	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and $7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
237	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
238	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^* K^0$ and $B^+ \rightarrow K^* K^+$ . Journal of High Energy Physics, 2014, 2014, .	1.6	26
239	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
240	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26
241	Angular analysis of charged and neutral $B^{\pm} \rightarrow K^* K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
242	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
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248	Observation of the Annihilation Decay Mode $B^0 \rightarrow \pi^+ \pi^-$ . Physical Review Letters, 2017, 118, 081801.	2.9	25
249	Measurement of the branching fractions of $B^0 \rightarrow \pi^+ \pi^-$ decays. European Physical Journal C, 2013, 73, 2462.	2.9	25
250	Observation of $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
251	Measurements of the branching fractions of $B^+ \rightarrow \rho^+ K^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
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254	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
255	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
256	Observations of $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^0$ decays and searches for other $B^0$ and $\bar{B}^0$ decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
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304	Measurement of $B \rightarrow K^* \mu^+ \mu^-$ violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2014, 90, .	1.6	18
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309	Measurement of the mass and production rate of $\tilde{\chi}_{c1}$ baryons. Physical Review D, 2019, 99, .	1.6	18
310	Search for Lepton-Flavor Violating Decays $B \rightarrow \tau^+ K^+ \tilde{\nu}_\tau$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
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313	Observation of $B^0 \rightarrow \tau^+ \tilde{\nu}_\tau$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
314	Measurement of the effective $B \rightarrow \tau^+ K^+ \tilde{\nu}_\tau$ lifetime. Nuclear Physics B, 2013, 973, .	0.9	17
315	Measurement of the polarization amplitudes in $B \rightarrow \tau^+ K^+ \tilde{\nu}_\tau$ decays. Nuclear Physics B, 2015, 902, .	0.9	17
316	Measurement of the polarization amplitudes in $B \rightarrow \tau^+ K^+ \tilde{\nu}_\tau$ decays. Physical Review Letters, 2014, 112, 111802.	2.9	17
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318	Study of the rare $B \rightarrow \tau^+ K^+ \tilde{\nu}_\tau$ and $B \rightarrow \tau^+ \tilde{\nu}_\tau \tilde{D}^0$ decays into the $\tilde{\chi}_{c1} + \tilde{\chi}_{c1} \gamma \tilde{\chi}_{c1}$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-55.	1.5	17
319	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \tau^+ \tau^-$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, .	1.6	17
320	Observation of $\tilde{\chi}_{c1} b \rightarrow \tilde{\chi}_{c1} \tau^+ \tilde{\nu}_\tau (2S) p K^+$ and $\tilde{\chi}_{c1} b \rightarrow \tilde{\chi}_{c1} \tau^+ \tilde{\nu}_\tau \tilde{D}^0$ decays and a measurement of the $\tilde{\chi}_{c1} b$ baryon mass. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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323	Study of charmonium production in $B \rightarrow \tau^+ \tau^- \tilde{D}^0$ hadron decays and first evidence for the decay $B \rightarrow \tau^+ \tau^- \tilde{D}^0$ . European Physical Journal C, 2017, 77, 609.	1.4	17
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327	Measurement of the $B^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
328	Search for the rare decay $B^0 \rightarrow \mu^+ \mu^- K_S^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.6	17
329	Measurement of the $B^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
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345	Measurement of $B^0 \rightarrow D^+ K^- \hat{a}^0$ and $B^0 \rightarrow D^0 K^+ \hat{a}^0$ decays. Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
346	Observation of the suppressed decay $B^0 \rightarrow D^+ K^- \hat{a}^0$ . Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
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350	Measurement of the Charm-Mixing Parameter $\gamma_{CP}$ . Physical Review Letters, 2019, 122, 011802.	2.9	15
351	Variation with Proton-Proton Collision Energy and $B^0 \rightarrow D^+ K^- \hat{a}^0$ decays. Physical Review Letters, 2020, 124, 122002.	2.9	15
352	Evidence for $\bar{K}^0$ -atoms with DIRAC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 11-16.	1.5	14
353	Study of $B^0 \rightarrow K^+ K^- \hat{a}^0$ decays with first observation of $B^0 \rightarrow K^+ K^- \hat{a}^0$ and $B^0 \rightarrow K^+ K^- \hat{a}^0$ . Journal of High Energy Physics, 2013, 2013, .	1.5	14
354	Study of $B^0 \rightarrow K^+ K^- \hat{a}^0$ decays with first observation of $B^0 \rightarrow K^+ K^- \hat{a}^0$ and $B^0 \rightarrow K^+ K^- \hat{a}^0$ . Journal of High Energy Physics, 2013, 2013, .	1.6	14
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357	Measurement of the $B^0$ Meson Lifetime in $D_s^+ \rightarrow D_s^- \hat{a}^0$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
358	Observation of charmonium pairs produced exclusively in $pp$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
359	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^- \hat{a}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
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362	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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364	Observation of $B \rightarrow \tau^+ \bar{\nu}_\tau$ decay. Physical Review Letters, 2016, 117, 112001.	2.9	14
365	Observation of the $B \rightarrow \tau^+ \bar{\nu}_\tau$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
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367	First Observation of a Baryonic $B \rightarrow s \bar{c} \bar{c} \bar{c}$ Decay. Physical Review Letters, 2017, 119, 041802.	1.4	14
368	A measurement of the CP asymmetry difference between $B \rightarrow \tau^+ \bar{\nu}_\tau K^0$ and $B \rightarrow \tau^+ \bar{\nu}_\tau K^+$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
369	Amplitude Analysis of the Decay $B \rightarrow \tau^+ \bar{\nu}_\tau K^0$ and First Observation of the CP Asymmetry in $B \rightarrow \tau^+ \bar{\nu}_\tau K^0$ . Physical Review Letters, 2018, 120, 261801.	2.9	14
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371	Measurement of the ratio of branching fractions $B(B \rightarrow \tau^+ \bar{\nu}_\tau K^0) / B(B \rightarrow \tau^+ \bar{\nu}_\tau K^+)$ . Physical Review Letters, 2019, 123, 011801.	1.5	14

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380	Measurement of the CP violation in $B \rightarrow D^* K^*$ and $B \rightarrow D^* \bar{D}^* K^*$ decays with $\text{cmml:math}$ $\text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" \text{ altimg}="si1.gif" \text{ overflow}="scroll" > \text{<mml:mi>D</mml:mi> <mml:mo stretchy="false">\hat{\ast} </mml:mo> <mml:mrow> <mml:mi>K </mml:mi> </mml:mrow> <mml:mrow> <mml:mi>mi </mml:mi> </mml:mrow> <mml:mrow> <mml:mi>K </mml:mi> </mml:mrow> </mml:mrow> </mml:math>$	1.5	13
381	Measurement of polarization amplitudes and CP asymmetries in $B \rightarrow D^* K^*$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
382	Measurement of the time-integrated CP asymmetry in $D \rightarrow K^* K^* K^* K^*$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
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386	Measurement of the ratio of branching fractions $\hat{\Gamma}^3(B \rightarrow D^* K^* K^*) / \hat{\Gamma}^3(B \rightarrow D^* K^* K^*)$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
387	Measurement of the mass and lifetime of the $\Delta^3$ baryon. Constraints on the unitarity triangle angle $\hat{\Gamma}^3$ from Dalitz plot analysis of $B \rightarrow D^* K^* K^*$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
388	Measurement of the mass and lifetime of the $\Delta^3$ baryon. Constraints on the unitarity triangle angle $\hat{\Gamma}^3$ from Dalitz plot analysis of $B \rightarrow D^* K^* K^*$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
389	Study of $D \rightarrow D^* K^* K^*$ mesons decaying to $D \rightarrow K^* K^* K^*$ and $D \rightarrow K^* K^* K^*$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
390	Model-independent measurement of mixing parameters in $D \rightarrow K^* K^* K^*$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
391	First observation of the decay $D \rightarrow D^* K^* K^*$ in the $\hat{\Gamma}^3$ region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	1.5	13
392	Measurement of $B \rightarrow D^* K^* K^*$ and $B \rightarrow D^* K^* K^*$ decays with $\text{cmml:math}$ $\text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" \text{ altimg}="si1.gif" \text{ overflow}="scroll" > \text{<mml:mi>B </mml:mi> <mml:mo stretchy="false">\hat{\ast} </mml:mo> <mml:mrow> <mml:mi>K </mml:mi> </mml:mrow> <mml:mrow> <mml:mi>s </mml:mi> </mml:mrow> </mml:mrow> </mml:math>$	1.5	13
393	Measurement of CP asymmetry in $B \rightarrow D^* K^* K^*$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
394	Search for CP violation in $B \rightarrow D^* K^* K^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 139-158.	1.5	13
395	Measurement of $\hat{\Gamma}^3$ production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
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436	Measurement of branching fractions of charmless four-body $B \rightarrow b 0$ and $\bar{B} \rightarrow b 0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
437	Dalitz plot analysis of the $D^+ \rightarrow \bar{K}^0 K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
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453	Search for CP Violation in $D_s \rightarrow K^0 \ell^+ \ell^-$ , $D \rightarrow K^0 \ell^+ \ell^-$ , and $D \rightarrow K^+ \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
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465	Search for the decay $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 2013, 87, .	1.6	7
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468	Measurement of forward $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.5	7

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496	Measurement of the ratio of branching fractions of the decays $B \rightarrow \bar{u} \bar{c} (2S) \bar{u}$ and $B \rightarrow \bar{u} \bar{c} \bar{u}$ . Journal of High Energy Physics, 2019, 2019, 1. 1.6	1.6	5
497	Measurement of CP observables in the process $B \rightarrow D K^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1. 1.6	1.6	5
498	Isospin Amplitudes in $B \rightarrow \bar{u} J$ decays. Physics Letters, 2019, 2019, 1.6	1.6	5

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507	Measurement of the branching fraction and CP asymmetry in $B \rightarrow D^0 \pi^0$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
508	Measurement of the relative $B \rightarrow D^0 \pi^0$ branching fractions using $B^0$ mesons from $B^0 \rightarrow D^0 \pi^0$ decays. Physical Review D, 2019, 99, .	1.6	3
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