

# Abraham Antonio Gallas Torreira

## List of Publications by Year in descending order

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Version: 2024-02-01

709  
papers

34,640  
citations

5248

83  
h-index

7136

153  
g-index

734  
all docs

734  
docs citations

734  
times ranked

10090  
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 $J/\psi$ 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	816
4	The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.	0.5	811
5	Measurement of the $J/\psi$ meson and b-hadron production cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2005, 71, .	1.6	624
6	Measurement of the Ratio of Branching Fractions $B \rightarrow K^* \ell^+ \ell^-$ <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>		

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19	First Evidence for the Decay $B_s \rightarrow \Lambda_c^+ \bar{K}^0$ and Search for $B_s \rightarrow \Lambda_c^+ \bar{K}^0$ . Physical Review Letters, 2013, 110, 021801.	2.9	292
20	Spin asymmetries and structure functions of the proton and the deuteron from polarized high energy muon scattering. Physical Review D, 1998, 58, .	1.6	266
21	Measurement of the Fraction and Search for $B_s \rightarrow \Lambda_c^+ \bar{K}^0$ . Physical Review Letters, 2013, 111, 101805.	2.9	258
22	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	238
23	Observation of Five New Narrow States Decaying to $J/\psi \pi^0$ . Physical Review D, 1997, 56, 5330-5358.	2.9	234
24	Spin structure of the proton from polarized inclusive deep-inelastic muon-proton scattering. Physical Review D, 1997, 56, 5330-5358.	1.6	233
25	Measurement of the Ratio of Branching Fractions $B \rightarrow \Lambda_c^+ \bar{K}^0$		

#	ARTICLE	IF	CITATIONS
37	Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	153
38	Observation of $J/\psi$ structures Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi K$ . Physical Review Letters, 2003, 91, 241804.	2.9	150
39	Measurement of Prompt Charm Meson Production Cross Sections in $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2003, 91, 241804.	2.9	149
40	Polarised quark distributions in the nucleon from semi-inclusive spin asymmetries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 180-190.	1.5	148
41	Search for $A \rightarrow \pi^0 \gamma$ Decays. Physical Review Letters, 2020, 124, 041801.	2.9	148
42	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. Physical Review D, 2002, 65, .	1.6	142
43	Search for Hidden-Sector Bosons in $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2015, 115, 161802.	2.9	138
44	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
45	Measurement of $C \rightarrow P$ -Averaged Observables in the $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2020, 125, 011802.	2.9	128
46	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007.	0.5	127
47	Observation of $J/\psi$ pair production in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2003, 91, 241804.	1.5	123
48	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^+ \rightarrow \Lambda^0 \mu^+ \mu^-$ . Physical Review Letters, 2020, 125, 011802.	2.9	122
49	Measurement of $J/\psi$ structure and observation of excited $\chi_{c0}$ states in the $B \rightarrow J/\psi K$ . Physical Review Letters, 2003, 91, 241804.	4.3	121
50	Next-to-leading order QCD analysis of the spin structure function $g_1$ . Physical Review D, 1998, 58, .	1.6	117
51	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
52	Amplitude analysis of the $B \rightarrow D^* \mu^+ \mu^-$ decay. Physical Review D, 2020, 102, .	1.6	117
53	Measurement of $b \rightarrow c$ hadron production fractions in $\sqrt{s}=7$ TeV. Physical Review D, 2003, 68, 011101.	1.6	116
54	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.5	115

#	ARTICLE	IF	CITATIONS
55	Search for Dark Photons Produced in $13\text{ÅTeV}$ Collisions. Physical Review Letters, 2018, 120, 061801.	0.9	114
56	First Measurements of Inclusive $W$ and $Z$ Cross Sections from Run II of the Fermilab Tevatron Collider. Physical Review Letters, 2005, 94, 091803.	2.9	111
57	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
58	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
59	Model-Independent Study of Structure in $B \rightarrow D^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 125, 242001.	2.9	111
60	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
61	Evidence for Exotic Hadron Contributions to $B \rightarrow D^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 125, 242001.	2.9	110
62	Measurement of $J/\psi$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025.	2.9	108
63	Measurement of $J/\psi$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
64	Search for Majorana Neutrinos in $B \rightarrow D^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
65	First Observation of $C$ Violation in the Decays of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 110, 221601.	2.9	105
66	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
67	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
68	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
69	Differential branching fraction and angular analysis of the decay $B \rightarrow D^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
70	Model-Independent Evidence for Contributions to $B \rightarrow D^* \ell^+ \ell^-$ Violation in the Phase Space of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 101801.	2.9	102
71	Measurement of $C$ Violation in the Phase Space of $B \rightarrow D^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 101801.	2.9	101
72			

#	ARTICLE	IF	CITATIONS
73	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1. Dalitz plot analysis of $B \rightarrow D^0 \pi^0$ decays. Physical Review Letters, 2014, 113, 162001.	1.6	100
74	Observation of Excited $\Lambda(1520)$ Baryons. Physical Review Letters, 2012, 109, 172003.	1.6	99
75	The spin-dependent structure function $g_1(x)$ of the deuteron from polarized deep-inelastic muon scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 396, 338-348.	1.5	97
77	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
78	Angular Analysis of the $B \rightarrow K^* \ell^+ \ell^-$ Decay. Physical Review Letters, 2021, 126, 161802.	2.9	96
79	Search for Doubly Charged Higgs Bosons Decaying to Dileptons in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 221802.	2.9	93
80	Amplitude analysis of $B \rightarrow D^0 \pi^0$ decays. Physical Review D, 2017, 95, .	1.6	92
81	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
83	Measurement of $\tilde{\chi}^0(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
84	Study of $D^0$ meson decays to $D^+ \pi^-$ , $D^0 \pi^0$ and $D^- \pi^+$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
85	Differential branching fraction and angular analysis of $B \rightarrow D^0 \pi^0$ decays. Journal of High Energy Physics, 2015, 2015, .	2.9	82
86	Search for the Decays $B \rightarrow D^0 \pi^0$ and $B \rightarrow D^+ \pi^-$ . Physical Review Letters, 2014, 113, 162001.	2.9	81
87	Observation of Overlapping Spin-1 and Spin-3 Mesons. Physical Review Letters, 2014, 113, 162001.	2.9	80
88	Dalitz plot analysis of $B \rightarrow D^0 \pi^0$ decays. Physical Review Letters, 2014, 113, 162001.	1.6	80
89	Search for long-lived scalar particles in $B \rightarrow D^0 \pi^0$ decays. Physical Review Letters, 2014, 113, 162001.	1.6	79
90	Search for long-lived scalar particles in $B \rightarrow D^0 \pi^0$ decays. Physical Review Letters, 2014, 113, 162001.	1.6	79

#	ARTICLE	IF	CITATIONS
91	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow A_{\pm} K$ decays. Physical Review Letters, 2016, 117, 152003.	2.9	78
92	Search for Structure in the $B \rightarrow s c$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	78
93	Search for Gluinos and Scalar Quarks in $pp \rightarrow$ Multijets Signature. Physical Review Letters, 2002, 88, 041801.	2.9	77
94	First observation of $B \rightarrow s c$ and $B \rightarrow s c$ decays. Physical Review Letters, 2018, 121, 072002.	2.9	77
95	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
96	Observation of a New $B \rightarrow s c$ Resonance. Physical Review Letters, 2018, 121, 072002.	2.9	77
97	Measurement of the Lifetime of the Doubly Charmed Baryon $\Lambda_{cc}^{++}$ and $\Lambda_{cc}^{+}$ . Physical Review Letters, 2018, 121, 072002.	2.9	77
98	Measurement of the Lifetime of the Doubly Charmed Baryon $\Lambda_{cc}^{++}$ and $\Lambda_{cc}^{+}$ . Physical Review Letters, 2018, 121, 072002.	2.9	76
99	Measurement of $C \times P$ violation and the $B \rightarrow s c$ decay width difference with $B \rightarrow s c$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	2.9	75
100	Observation of CP violation in $B \rightarrow K \Lambda_{cc}^{++}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	2.9	75
101	Measurements of the S-wave fraction in $B \rightarrow K \Lambda_{cc}^{++}$ decays and the $B \rightarrow K \Lambda_{cc}^{++}$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
102	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
103	Measurement of $C \times P$ violation and the $B \rightarrow s c$ decay width difference with $B \rightarrow s c$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	74
104	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	74
105	Measurement of resonant and non-resonant components in $B \rightarrow s c$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	73
106	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via $B \rightarrow s c$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	73

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109	Amplitude analysis of $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2016, 94, .	1.6	72
110	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \sqrt{13}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	71
111	Spin asymmetries of the proton and the deuteron in the low and low Q <sup>2</sup> region from polarized high energy muon scattering. Physical Review D, 1999, 60, .	1.6	69
112	Quantum numbers of the $X(3872)$ meson. Physical Review D, 2016, 94, .	1.6	69
113	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
114	Measurement of the resonant and non-resonant components in $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2012, 86, .	1.6	67
115	Study of the lineshape of the $B \rightarrow D^* \pi^0$ decay. Physical Review D, 2012, 86, .	1.6	66
116	Analysis of the resonant components in $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2012, 86, .	1.6	65
117	Measurement of the isospin asymmetry in $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
118	Measurement of the isospin asymmetry in $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
119	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
120	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
121	Observation of $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2012, 86, .	2.9	65
122	Measurements of $B \rightarrow D^* \pi^0$ violation in the three-body phase space of charmless $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2014, 90, .	1.6	65
123	Violation in $B \rightarrow D^* \pi^0$ decays. Physical Review Letters, 2015, 114, 041801.	2.9	65
124	Comparison of the isolated direct photon cross sections in $pp \rightarrow \gamma^* \rightarrow e^+e^-$ collisions at $\sqrt{s} = 1.8$ TeV and $\sqrt{s} = 0.63$ TeV. Physical Review D, 2002, 65, .	1.6	64
125	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
126	First Observation of the Decay $B \rightarrow D^* \pi^0$ . Physical Review Letters, 2012, 108, 251802.	1.6	62



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127	Determination of the Sign of the Decay Width Difference in the $B_s$ System Physical Review Letters, 2012, 108, 241801.	2.9	61
128	Measurement of $B_c$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2015, 114, 132001.	2.9	61
129	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B_d \rightarrow \tau^+ \tau^-$ Decays in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 032001.	2.9	60
130	Search for the rare decays $B \rightarrow \tau^+ \tau^-$ Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	1.5	60
131	Analysis of the resonant components in $B \rightarrow \tau^+ \tau^-$ Physical Review D, 2013, 87, .	1.6	60
132	Measurement of forward $J/\psi$ production cross-sections in $pp$ collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
133	Measurement of $\theta_{13}$ Production Cross Section in $pp$ Collisions at $\sqrt{s}=1.96$ TeV Using Dilepton Events. Physical Review Letters, 2004, 93, 142001.	2.9	59
134	Precision measurement of the $B_{s,c} \rightarrow s \tau^+ \tau^-$ oscillation frequency with the decay $B_{s,c} \rightarrow s \tau^+ \tau^-$ New Journal of Physics, 2013, 15, 053021.	1.2	59
135	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
136	Measurement of the $W$ boson mass with the Collider Detector at Fermilab. Physical Review D, 2001, 64, .	1.6	58
137	Measurement of $b$ -hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
138	Opposite-side flavour tagging of $B$ mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
139	Evidence for an $\eta_c(1S) \pi^+ \pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$		

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145	Measurements of the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ decay amplitudes and the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54
146	Study of the $D^0 \rightarrow \rho^+ \pi^-$ decays. Journal of High Energy Physics, 2017, 2017, 11.6		54
147	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
148	Measurement of the Lifetime Difference between $B_s$ Mass Eigenstates. Physical Review Letters, 2005, 94, 101803.	2.9	53
149	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
150	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
151	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
152	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
153	Measurement of the $b \rightarrow c$ Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
154	Measurement of the W boson mass. Journal of High Energy Physics, 2022, 2022, 1.	1.6	52
155	First Observation of the Decay $B_c^+ \rightarrow \pi^+ \rho^0$ . Physical Review Letters, 2013, 110, 151803.	2.9	51
156	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \pi^0$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
157	Measurement of hadron fractions in 13 TeV pp collisions. Physical Review Letters, 2017, 118, 052002.	1.6	51
158	Measurement of the $B^0 \rightarrow \rho^+ \pi^-$ decay properties and search for the $B^0 \rightarrow \rho^+ \pi^-$ decay. Physical Review D, 2022, 105, .	1.8	51
159	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \pi^0$ . Physical Review Letters, 2012, 108, 181806.	2.9	50
160	Charged particle tracking with the Timepix ASIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, 31-49.	0.7	50
161	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
162	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50

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163	<p>Measurement of the ratio of the <math>\sigma(\text{pp} \rightarrow \text{B} \bar{\text{b}}) / \sigma(\text{pp} \rightarrow \text{B} \bar{\text{c}})</math> to <math>\sigma(\text{pp} \rightarrow \text{B} \bar{\text{c}})</math> at <math>\sqrt{s} = 7</math> TeV. Physical Review Letters, 2015, 115, 012001.</p>	1.5	50
164	<p>First observation and amplitude analysis of the <math>\text{B} \rightarrow \text{D}^* \text{K}^0</math> decay. Physical Review D, 2015, 91, 012001.</p>	1.6	50
165	<p>Search for Long-Lived Charged Massive Particles in pp Collisions at <math>\sqrt{s} = 1.8</math> TeV. Physical Review Letters, 2003, 90, 131801.</p>	2.9	49
166	<p>First Evidence of Direct <math>\text{C} \rightarrow \text{P}</math> Violation in Charmless Two-Body Decays of <math>\text{B} \rightarrow \text{K}^* \text{K}^0</math>. Physical Review Letters, 2012, 108, 201601.</p>	2.9	49
167	<p>Searches for Majorana neutrinos in <math>\text{B}^0</math> decays. Physical Review D, 2012, 85, 012001.</p>	1.6	49
168	<p>Measurements of long-range near-side angular correlations in proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 359, 473-483.</p>	1.5	49
169	<p>Observation of New Resonances in the <math>\text{B} \rightarrow \text{K}^* \text{K}^0</math> Decay. Physical Review Letters, 2016, 116, 012001.</p>	2.9	49
170	<p>Measurement of the cross-section ratio <math>\sigma(\text{pp} \rightarrow \text{B} \bar{\text{c}}) / \sigma(\text{pp} \rightarrow \text{B} \bar{\text{b}})</math> at <math>\sqrt{s} = 7</math> TeV. Physical Review Letters, 2015, 115, 012001.</p>	1.5	49

#	ARTICLE	IF	CITATIONS
181	The polarized double cell target of the SMC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 437, 23-67.	0.7	45
182	Study of prompt D 0 meson production in pPb collisions at s N N = 5 \$ sqrt{s_{\mathrm{N};\mathrm{N}}}=5 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
183	Observation of New Baryons Decaying to Baryons display="inline"><math>\bar{\Lambda}^0</math> c Baryons Decaying to display="inline"><math>\bar{\Lambda}^0</math> c Baryons Decaying to	2.9	45
184	Search for single-top-quark production in pp collisions at s=1.8 TeV. Physical Review D, 2002, 65, .	1.6	44
185	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
186	First Observation of Excited B_c meson production in pp collisions at s=7 TeV. Physical Review Letters, 2020, 124, 082002.	2.9	44
187	Measurement of the B_c meson lifetime using B_c to psi mu mu + upnu mu X B_c + at J/psi. European Physical Journal C, 2014, 74, 2839.	1.4	43
188	Study of Supchi_{b} meson production in pp collisions at sqrt{s}=7 TeV and 8 TeV. European Physical Journal C, 2014, 74, .	1.4	43
189	Measurement of the B_c meson lifetime using B_c to psi mu mu + upnu mu X B_c + at J/psi. European Physical Journal C, 2014, 74, 2839.	1.4	43
190	Observation of an Excited B_c meson production in pp collisions at s=7 TeV. Physical Review Letters, 2019, 122, 232001.	2.9	43
191	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.5	42
192	Measurement of the Difference of Time-Integrated Asymmetries in D Decays. Journal of High Energy Physics, 2020, 2020, 1.	2.9	42
193	Study of the B_c(3823) and B_c(3872) states in B_c to J/psi K decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
194	Amplitude analysis of the B_c to J/psi K decays. Physical Review D, 2020, 101, .	1.6	42
195	Measurement of the Strong Coupling Constant from Inclusive Jet Production at the Tevatron p Collider. Physical Review Letters, 2002, 88, 042001.	2.9	41
196	Limits on Extra Dimensions and New Particle Production in the Exclusive Photon and Missing Energy Signature in pp Collisions at s=1.8 TeV. Physical Review Letters, 2002, 89, 281801.	2.9	41
197	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
198	First observation of the decay B_c^+ to psi^+ K^+. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41

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199	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
200	Measurement of Antiproton Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
201	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction. Physical Review Letters, 2018, 121, 222001.	1.5	40
202	Double Diffraction Dissociation at the Fermilab Tevatron Collider. Physical Review Letters, 2001, 87, 141802.	2.9	39
203	Long term performance and ageing of CsI photocathodes for the ALICE/HMPID detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 28-38.	0.7	39
204	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ and $B \rightarrow \tau^+ \tau^- K^+ K^-$ . Physical Review Letters, 2012, 108, 101601.	2.9	39
205	Precision Measurement of the Mass and Lifetime of the $\Lambda_c^+$ . Physical Review Letters, 2014, 113, 242002.	2.9	39
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212	Search for $D \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ decays. Physical Review Letters, 2013, 111, 242002.	1.5	38
213	Measurement of Single-Photon Production Asymmetry in $7$ TeV $pp$ Collisions. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2013, 318, 888-890.	2.9	38
214	Amplitude Analysis of $B \rightarrow \tau^+ \tau^- K^+ K^-$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
215	Search for electroweak single-top-quark production in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	37
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223	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \psi(2S) \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
224	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow \psi(2S) \pi^+ \pi^-$ and $B \rightarrow \psi(2S) \pi^+ \pi^-$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-163.	1.5	35
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226	Evidence for the decay $B \rightarrow \psi(2S) \pi^+ \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 259-263.	0.9	35
227	Precision Measurement of the $\Lambda_b^0$ Baryon Lifetime. Physical Review Letters, 2013, 111, 102003.	1.5	35
228	Observation of the $\Lambda_b^0 \rightarrow \psi(2S) \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
229	Model-independent confirmation of the $B \rightarrow \psi(2S) \pi^+ \pi^-$ decay. Physical Review Letters, 2015, 115, 021801.	1.6	35
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231	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
232	Measurement of the Cross Section for Prompt Diphoton Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 022003.	2.9	34
233	Measurement of the CP violating phase $\beta$ . Physical Review Letters, 2005, 95, 022003.	1.5	34
234	Measurement of the relative branching fractions of $B \rightarrow \psi(2S) \pi^+ \pi^-$ and $B \rightarrow \psi(2S) \pi^+ \pi^-$ . Physical Review Letters, 2013, 111, 102003.	1.5	34







#	ARTICLE	IF	CITATIONS
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273	$\chi$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. Physical Review D, 2005, 71, .	1.5	29
274	Study of $D^0$ decays to $\{D^{*+}\}K_{\text{S}}$ and $D^0 K^+$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29
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277	Measurement of the $\text{CP}$ -violating phase $\arg(V_{cb}V_{cs}^*)$ in $B \rightarrow \psi(2S)K^0$ decays using the $\text{CP}$ -violation in $B \rightarrow \psi(2S)K^0$ decays. Physical Review D, 2005, 71, .	2.9	29
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283	Measurement of the $B^0 \rightarrow K^+ K^- e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
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291	Measurement of $d\Gamma/dM$ and Forward-Backward Charge Asymmetry for High-Mass Drell-Yane $e^+e^-$ Pairs from $pp \rightarrow \gamma^* \rightarrow \mu^+\mu^-$ Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2001, 87, 131802.	2.9	27
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293	First observation of the decay $B \rightarrow D^* \bar{K}^0$ . <i>Physical Review Letters</i> , 2001, 87, 131802.	2.9	27
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295	Evidence for $B \rightarrow D^* \bar{K}^0$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	0.9	27
296	Violation in $B \rightarrow D^* \bar{K}^0$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	2.9	27
297	Measurement of $B \rightarrow D^* \bar{K}^0$ production in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014, 74, .	1.4	27
298	First Observation of $B \rightarrow D^* \bar{K}^0$ . <i>Physical Review Letters</i> , 2001, 87, 131802.	2.9	27
299	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
300	Measurement of prompt hadron production ratios in $pp$ collisions at $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	26
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308	Measurement of the forward energy flow in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2421.	1.4	25
310	Observation of the decay $B_c^+ \rightarrow \pi^+ K + K^* \pi^+$ . <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	25
311	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
312	Searches for $\Lambda_b^0$ and $\Xi_b^0$ decays to $K_S^0 \pi^0$ and $K_S^0 \pi^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_S^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
313	Observation of the Annihilation Decay Mode $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2017, 118, 081801.	2.9	25
314	Observation of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2017, 118, 081801.	2.9	25
315	Observation of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2017, 118, 111803.	2.9	25
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318	Observations of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2017, 118, 081801.	0.9	24
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321	Observation of $Z$ production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	24
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330	Measurement of the $B^0$ Baryon Lifetime. Physical Review Letters, 2018, 121, 092003.	2.9	23
331	Search for the doubly heavy baryons $\Xi_{cc}$ and $\Xi_{bb}$ decaying to $\Lambda_c$ and $\Lambda_b$ *. Chinese Physics C, 2021, 45, 093002.	1.5	23
332	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2021, 127, 111801.	2.9	23
333	Search for Kaluza-Klein Graviton Emission in pp Collisions at $\sqrt{s}=1.8$ TeV Using the Missing Energy Signature. Physical Review Letters, 2004, 92, 121802.	2.9	22
334	Measurement of the $B^{\pm}$ production cross-section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
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337	First observations of $B^0 \rightarrow D^+ D_s^-$ , $D_s \rightarrow D^+ D_s^-$ and $D^0 \rightarrow D^+ D_s^-$ decays. Physical Review D, 2013, 87, .	1.6	22
338	Measurement of the $C^0$ Asymmetry in $B^0 \rightarrow D^+ D_s^-$ . Physical Review Letters, 2013, 110, 031801.	2.9	22
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354	Determination of quantum numbers for several excited charmed mesons observed in $B \rightarrow D^* K$ decays. Physical Review D, 2020, 101, .	1.6	21
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356	Observation of Multiplicity Dependent Prompt $B \rightarrow D^* K$ state. Physical Review D, 2013, 88, 151802.	1.6	21
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358	Search for $B \rightarrow D^* K$ violation in $B \rightarrow D^* K$ decays. Physical Review Letters, 2013, 106, 151802.	1.6	20
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360	Measurements of the branching fractions and CP asymmetries of $B \rightarrow D^* K$ and $B \rightarrow D^* K$ decays. Physical Review D, 2012, 85, .	1.6	20

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362	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2014, 112, 041801.	2.9	20
363	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
364	Search for CP violation in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.6	20
365	Study of $B_c^+$ decays to the $K^+ K^0 \ell^+ \ell^-$ final state and evidence for the decay $B_c^+ \rightarrow K^+ \ell^+ \ell^-$ . Physical Review D, 2016, 94, .	1.6	20
366	Search for the lepton-flavour violating decay $D \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
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368	Studies of the resonance structure in $B \rightarrow D^* K^*$ decays. Physical Review D, 2016, 93, .	1.6	20
369	First Experimental Study of Photon Polarization in Radiative $B_s^0$ Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
370	Measurement of the CP Violation Parameter $A_{FB}^{\ell}$ in $D \rightarrow K^* K^*$ and $D \rightarrow \ell^+ \ell^- K^*$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
371	Evidence for the decay $B_s^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
372	Measurement of CP asymmetries in two-body $B(s) \rightarrow \ell^+ \ell^-$ meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	1.6	20
373	Precision measurement of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2018, 121, 021801.	1.6	20
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375	Observation of a New Excited $B_c$ Meson. Physical Review Letters, 2021, 126, 122002.	2.9	20
376	Measurements of the branching fractions of the decays $B \rightarrow D_s^* \mu^+ \mu^-$ and $B \rightarrow D_s^* \mu^+ \mu^-$ . Journal of High Energy Physics, 2012, 2012, .	1.6	19
377	First Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ Decaying Phase in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2013, 110, 241802.	2.9	19
378	Measurement of the branching fractions of the decays $B \rightarrow D^* K^* \ell^+ \ell^-$ and $B \rightarrow D^* K^* \ell^+ \ell^-$ . Physical Review D, 2013, 87, .	1.6	19

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380	Resonances and CP violation in $B \rightarrow D^0 \pi^0$ and $B \rightarrow D^0 \pi^+$ decays in the mass region above the $\rho(1020)$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
381	Observation of excited $B_c$ baryons in $pp$ collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 031801.	2.9	19
382	Strong constraints on the $B \rightarrow D^0 \pi^0$ photon polarisation from $B \rightarrow D^0 \pi^0 e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
383	Observation of excited $B_c$ baryons in $pp$ collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 031801.	1.6	19
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387	Measurement of $V_0$ production ratios in $pp$ collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
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390	Measurement of $C$ and $P$ violation in $B \rightarrow D^0 \pi^0$ decays. Physical Review D, 2014, 90, .	1.6	18
391	Measurement of forward $W \rightarrow e \nu$ production in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
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395	Search for Lepton-Flavor Violating Decays $B \rightarrow D^0 \pi^0 e^+ e^-$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
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398	Simultaneous determination of CKM angle $\hat{\Gamma}^3$ and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	18
399	A line-shape analysis for spin-1 NMR signals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997, 398, 109-125.	0.7	17
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401	Search for New Physics in Photon-Lepton Events in $pp \rightarrow \tilde{\chi}^0 \tilde{\chi}^0$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2002, 89, 041802.	2.9	17
402	Measurement of the effective $B \rightarrow B_s \gamma$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 707, 349-356.	1.7	17
403	Observation of $B^0 \rightarrow \pi^0 \pi^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013, 73, .	1.4	17
404	Measurement of the effective $B \rightarrow B_s \gamma$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 707, 349-356.	0.9	17
405	Measurement of the polarization amplitudes in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 112, 111802.	0.9	17
406	Search for the decay $B_s^0 \rightarrow D^0 \pi^0$ . <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	17
407	Study of the rare $B \rightarrow B_s \gamma$ and $B \rightarrow B_s \gamma$ decays into the $\tilde{\chi}^0 \tilde{\chi}^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 46-55.	1.5	17
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411	Observation of $\tilde{b} \rightarrow b \gamma$ and $\tilde{b} \rightarrow b \gamma$ decays and a measurement of the $\tilde{b} \rightarrow b \gamma$ baryon number violation. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	17
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413	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 767, 177-187.	1.5	17
414	Study of charmonium production in $B \rightarrow B_s \gamma$ hadron decays and first evidence for the decay $B \rightarrow B_s \gamma$ . <i>European Physical Journal C</i> , 2017, 77, 609.	1.4	17



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417	Measurement of the $\mathcal{B}(\mathcal{K}^0 \rightarrow \mu^+ \mu^-)$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
418	Search for the rare decay $\mathcal{B}(\mathcal{K}^0 \rightarrow \mu^+ \mu^-)$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.6	17
419	Measurement of the $\mathcal{B}(\mathcal{K}^0 \rightarrow \mu^+ \mu^-)$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
420	Measurement of the $\mathcal{B}(\mathcal{K}^0 \rightarrow \mu^+ \mu^-)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
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434	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	2.9	15
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436	Measurement of CP violation parameters and polarisation fractions in $B_s \rightarrow J/\psi K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
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438	Measurement of $B \rightarrow D^* \ell^+ \ell^-$ and $D \rightarrow D^* \ell^+ \ell^-$ Meson Lifetimes. Physical Review Letters, 2017, 119, 101801.	2.9	15
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446	Measurement of proton and nitrogen polarization in ammonia and a test of equal spin temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 60-82.	0.7	14
447	Measurement of the average time-integrated mixing probability of b-flavored hadrons produced at the Fermilab Tevatron. Physical Review D, 2004, 69, .	1.6	14
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449	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review Letters, 2013, 2013, 1.	1.5	14
450	Search for CP violation in $D \rightarrow \ell^+ \ell^- K^* \ell^+ \ell^-$ and $D \rightarrow \ell^+ \ell^- K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14

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452	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
453	Measurement of $C$ violation parameters in $B \rightarrow D^* K$ decays. Physical Review D, 2014, 90, .	1.6	14
454	Measurement of the $B^0$ Meson Lifetime in $D_s^+ \rightarrow B^0$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
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457	Study of CP violation in $B \rightarrow D^* K^{\pm}$ ( $h=K, \bar{K}$ ) with the modes $D^* \rightarrow K^{\pm} \pi^0$ and $D^* \rightarrow K^{\pm} \pi^{\pm}$ . Physical Review D, 2015, 91, .	1.6	14
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464	A measurement of the CP asymmetry difference between $B^0 \rightarrow D^* K^+$ and $B^0 \rightarrow D^* \bar{K}^+$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
465	Amplitude Analysis of the Decay $B^0 \rightarrow D^* K^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow D^* K^0$ . Physical Review Letters, 2018, 120, 261801.	2.9	14
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471	Measurement of the ratio of branching fractions $\frac{\mathcal{B}(B \rightarrow \Upsilon \gamma)}{\mathcal{B}(B \rightarrow \Upsilon \gamma)}$		

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488	Measurement of the $B \rightarrow D^* K^0$ decay from Dalitz plot analysis of $B \rightarrow D^* K^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
489	Study of $D^* \rightarrow D^0 K^0$ and $D^* \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
490	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	13
491	First observation of the decay $D^0 \rightarrow K^0 \pi^0$ in the $10^4$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 757, 558-567.	1.5	13
492	Measurement of $B^0 \rightarrow B^+ B^-$ and $B^0 \rightarrow B^+ B^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 139-158.	1.5	13
493	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.6	1.6	13
494	Search for CP violation in $B^0 \rightarrow D^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 787, 124-133.	1.6	13
495	Measurement of $\bar{l}^+$ production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	13
496	Measurement of Angular and $C$ and $P$ Asymmetries in $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review Letters</i> , 2018, 121, 091801.	2.9	13
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525	Measurements of charm mixing and $\langle \cos(\phi_{12}) \rangle$ violation using $B^0 \rightarrow C^+ P^-$ decays. Physical Review D, 2017, 95.	1.6	11
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528	First measurement of the CP-violating phase $\phi_{s^{\overline{d}}}$ in $B^0 \rightarrow (K^+ \pi^-)(K^+ \pi^-)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
529	Search for CP violation using triple product asymmetries in $\hat{b} \rightarrow \hat{b}^0 \rightarrow K^+ \pi^-$ , $\hat{b} \rightarrow \hat{b}^0 \rightarrow K^+ K^-$ and $\hat{b} \rightarrow \hat{b}^0 \rightarrow K^+ K^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
530	First observation of $B^+ \rightarrow D^+ s^+ + K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s^+ + \tau^+$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
531	Amplitude analysis of the $B_{(s)}^0 \rightarrow K^0 \overline{K}^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^0 \overline{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
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562	Observation of the $B_s^0 \rightarrow \pi^+ \pi^- \pi^+$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
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564	Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
565	Model-independent measurement of the CKM angle $\beta^3$ using $B^0 \rightarrow D K^+ \pi^-$ decays with $D \rightarrow K^+ \pi^-$ and $K^0 \rightarrow K^+ \pi^-$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
566	Search for the suppressed decays $B \rightarrow \pi^+ K^+ \pi^-$ and $B \rightarrow \pi^+ \pi^- K^+$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
567	Observation of the Decay $B_s^0 \rightarrow \pi^+ \pi^- K^+$ . Physical Review Letters, 2017, 118, 071801.	2.9	9
568	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- (2S) K^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	9
569	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
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572	Observation of the decay $B_s^0 \rightarrow D^+ K^- K^+$ . Physical Review D, 2018, 98, .	1.6	9
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574	Observation of $B \rightarrow \pi^+ \pi^- \pi^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	2.9	9
575	Study of $B \rightarrow \pi^+ \pi^- \pi^+$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
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587	Search for the rare decays $B^0 \rightarrow \bar{K}^0 K^0 K^{\pm} \bar{K}^{\mp}$ and $B^0 \rightarrow \bar{K}^0 K^0 K^{\pm} \bar{K}^{\mp}$ . Physical Review D, 2015, 92, .	1.6	8
588	Measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ \bar{K}^0$ and $D^+ \rightarrow K^+ \bar{K}^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
589	Observation of the $B^0 \rightarrow \bar{K}^0 K^0 K^{\pm} \bar{K}^{\mp}$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
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591	Measurement of CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	8
592	Observation of the decay $B^0 \rightarrow \bar{K}^0 K^0 K^{\pm} \bar{K}^{\mp}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
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