

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	Measurement of the lifetimes of promptly produced Λ_c^+ and Λ_c^0 . <i>Physical Review Letters</i> , 2022, 128, 041801.	4.3	18
2	Measurement of prompt charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	9
3	Measurement of the B_c^+ decay properties and search for the B_c^+ decay. <i>Physical Review D</i> , 2022, 105, 054011.	1.6	51
4	Study of $B_c^+ \rightarrow \text{charm} + \text{hadrons}$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	6
5	Search for the radiative $\Lambda_c^+ \rightarrow \Lambda_c^0 \gamma$ decay. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	4
6	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	52
7	Analysis of Neutral B_c^0 -Meson Decays into Two Muons. <i>Physical Review Letters</i> , 2022, 128, 041801.	2.9	46
8	Measurement of $\Upsilon(3872)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	6
9	Study of J/ψ production and $J/\psi \rightarrow p\bar{p}$ decays. <i>Physical Review Letters</i> , 2022, 128, 082001.	2.9	33
10	Study of Z Bosons Produced in Association with Charm in the Forward Region. <i>Physical Review Letters</i> , 2022, 128, 082001.	2.9	11
11	The HEV Ventilator: at the interface between particle physics and biomedical engineering. <i>Royal Society Open Science</i> , 2022, 9, 211519.	1.1	1
12	Measurement of the photon polarization in J/ψ photoproduction in Pb-Pb peripheral collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2022, 105, 054011.	1.1	2
13	Observation of $\Lambda_b^0 \rightarrow D^+ p \bar{\nu}_e \bar{\nu}_e$ and $\Lambda_b^0 \rightarrow D^{*+} p \bar{\nu}_e \bar{\nu}_e$ decays. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	0
14	Measurement of the photon polarization in $\Lambda_c^+ \rightarrow p \gamma$ decays. <i>Physical Review D</i> , 2022, 105, 054011.	1.6	6
15	Searches for rare B_s^0 and B_0 decays into four muons. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	3
16	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions. <i>Physical Review Letters</i> , 2022, 128, 082001.	2.9	10
17	A dead-time-free data acquisition system for prompt gamma-ray measurements during proton therapy treatments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1033, 166701.	0.7	5
18	Observation of a new Λ_c^+ state. <i>Physical Review D</i> , 2021, 103, 054011.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Study of $B_s^0 \rightarrow J/\psi K^+ K^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
20	First Observation of the Decay $B^0 \rightarrow K^+ K^- \pi^0$ and a Measurement of $B^0 \rightarrow K^+ K^- \pi^0$. Physical Review Letters, 2021, 126, 081804.	2.9	20
21	Measurement of differential $b\bar{b}$ - and $c\bar{c}$ -dijet cross-sections in the forward region of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
22	Measurement of the CKM angle $\hat{\beta}$ in $B_{d,s}^{\pm} \rightarrow D K^{\pm}$ and $B_{d,s}^{\pm} \rightarrow D^* K^{\pm}$ decays with $D^{\pm} \rightarrow K^{\pm} \pi^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
23	Search for long-lived particles decaying to $e^+ \mu^-$. European Physical Journal C, 2021, 81, 1.	1.4	9
24	Observation of a New Excited Meson in $B^0 \rightarrow D^+ D^- \pi^0$. Physical Review Letters, 2021, 126, 122002.	2.9	20
25	Measurement of the CKM angle $\hat{\beta}$ and $B_{d,s}^0 \rightarrow D^+ D^- \pi^0$ mixing frequency with $B_{d,s}^0 \rightarrow D^+ D^- \pi^0$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
26	Measurement of the CKM angle $\hat{\beta}$ and $B_{d,s}^0 \rightarrow D^+ D^- \pi^0$ mixing frequency with $B_{d,s}^0 \rightarrow D^+ D^- \pi^0$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
27	Observation of the $B_{d,s}^0 \rightarrow D^+ D^- \pi^0$ decay. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
28	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^+ \mu^-$, ext $\{jet\}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
29	Violation in the Decay $B^0 \rightarrow K^+ K^- \pi^0$. Physical Review Letters, 2021, 126, 091802.	2.9	9
30	Observation of CP violation in two-body $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ meson decays to charged pions and kaons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
31	Measurement of CP observables in $B_{d,s}^{\pm} \rightarrow D^{(*)} K^{\pm}$ and $B_{d,s}^{\pm} \rightarrow D^{(*)} K^{\pm}$ decays using two-body D final states. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
32	Search for the rare decay $B^0 \rightarrow J/\psi \pi^0$. Chinese Physics C, 2021, 45, 043001.	1.5	2
33	Measurement of the branching fraction of the $B^0 \rightarrow D^+ \pi^-$ decay. European Physical Journal C, 2021, 81, 1.	1.4	6
34	Angular Analysis of the $B^0 \rightarrow K^+ K^- \pi^0$ Decay. Physical Review Letters, 2021, 126, 161802.	2.9	9
35	Observation of the $B^0 \rightarrow K^+ K^- \pi^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	1.5	1
36	Observation of the decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1

#	ARTICLE	IF	CITATIONS
37	Measurement of the prompt-production cross-section ratio $\tilde{\Gamma}f(\tilde{\Gamma}c2)/\tilde{\Gamma}f(\tilde{\Gamma}c1)$ in pPb collisions at sNN=8.16 TeV. Physical Review C, 2021, 103, .	1.1	5
38	Searches for 25 rare and forbidden decays of D+ and D_s^+ mesons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
39	Angular analysis of $B^0 \rightarrow D_s^+ D_s^-$ with $D_s^+ \rightarrow D_s^+ \gamma$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
40	Search for CP violation in $D_{(s)}^+ \rightarrow h^+ \pi^0$ and $D_{(s)}^+ \rightarrow h^+ \eta$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
41	Structure and observation of excited states in the B_c^+ meson. Physical Review D, 2021, 2021, 1.	4.3	121
42	Observation of new excited B_c^+ states. European Physical Journal C, 2021, 81, .	1.4	9
43	Asymmetry in $D^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2021, 2021, 1.	1.6	3
44	Precise measurement of the fragmentation fractions and ratio of fragmentation fractions and of B_c^+ meson. Physical Review D, 2021, 2021, 1.	1.6	32
45	Search for the doubly charmed baryon Ξ_{cc}^+ and Ξ_{cc}^0 . Physical Review D, 2021, 2021, 1.	2.9	93
46	Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	10
47	Violation in $B_c^+ \rightarrow B^+ K^0$ decays. Physical Review D, 2021, 104, .	1.6	6
48	Search for the doubly heavy baryons Ξ_{cc}^+ and Ξ_{cc}^0 decaying to $\Lambda_c^+ K^0$ and $\Lambda_c^+ K^+$. Chinese Physics C, 2021, 45, 093002.	1.5	23
49	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2021, 127, 111801.	2.9	23
50	Readout Firmware of the Vertex Locator for LHCb Run 3 and Beyond. IEEE Transactions on Nuclear Science, 2021, 68, 2472-2479.	1.2	1
51	Observation of the rare decay $B_c^+ \rightarrow B^+ K^0$ and $B_c^+ \rightarrow B^+ K^+$. Physical Review D, 2021, 2021, 1.	1.6	9
52	Observation of a $\Lambda_b^0 \rightarrow \Lambda^0 K^0$ production asymmetry in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
53	Violation in $D^0 \rightarrow D^+ K^-$ and $D^0 \rightarrow D^+ K^0$ decays. Physical Review D, 2021, 104, .	1.6	9
54	Angular analysis of the rare decay $B_c^+ \rightarrow \Lambda_c^+ K^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28

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55	First measurement of the CP-violating phase in $B^0 \rightarrow \psi(3710) \psi(3710)$. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.4	0
56	Observation of excited baryons in J/ψ production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	19
57	Measurement of J/ψ production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	5
58	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
59	Search for the doubly charmed baryon Ξ_{cc}^{++} in the $\Xi_{cc}^{++} \rightarrow \psi(3710) \psi(3710)$ final state. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	8
60	Updated search for B_c^+ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	0
61	Observation of the suppressed $B_c^+ \rightarrow D^+ D^0$ decay with $B_c^+ \rightarrow D^+ D^0$ decay. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	0
62	Search for the doubly charmed baryon Ξ_{cc}^{++} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	35
63	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Physical Review Letters</i> , 2020, 125, 212001.	2.9	10
64	Observation of structure in the J/ψ -pair mass spectrum. <i>Science Bulletin</i> , 2020, 65, 1983-1993.	4.3	212
65	Precision measurement of the B_c^+ meson mass. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	8
66	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 \bar{K}^0$ decays. <i>Physical Review D</i> , 2020, 101, .	1.6	8
67	Isospin Amplitudes in $B_c^+ \rightarrow D^+ D^0$ decay. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	0

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73	Constraints on the branching fraction of the decay $B \rightarrow K S$. Physical Review Letters, 2020, 125, 231801.	2.9	14
74	Model-independent study of structure in decays $B \rightarrow D$. Physical Review Letters, 2020, 125, 242001.	2.9	111
75	Search for the rare decays $B \rightarrow B s$. Physical Review Letters, 2020, 125, 011802.	2.9	16
76	Measurement of the branching fraction of the decay $B \rightarrow K s$. Physical Review Letters, 2020, 125, 011802.	1.6	3
77	First branching fraction measurement of the suppressed decay $B \rightarrow D$. Physical Review Letters, 2020, 125, 011802.	1.6	3
78	Test of lepton universality with $B \rightarrow K c$. Physical Review D, 2020, 102, .	1.6	18
79	Test of lepton universality with $B \rightarrow K c$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
80	Observation of New Baryons Decaying to $B \rightarrow K$. Physical Review Letters, 2020, 124, 082002.	2.9	45
81	First Observation of Excited States. Physical Review Letters, 2020, 124, 082002.	2.9	44
82	Phase I Upgrade of the Readout System of the Vertex Detector at the LHCb Experiment. IEEE Transactions on Nuclear Science, 2020, 67, 732-739.	1.2	6
83	Measurement of the Λ_b^0 angular distribution and the Λ_b^0 polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
84	Measurement of Averaged Observables in the $B \rightarrow D$ decays. Physical Review Letters, 2020, 125, 011802.	2.9	128
85	Measurement of CP observables in $B \rightarrow D K$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
86	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
87	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s} = 13$ TeV. Chinese Physics C, 2020, 44, 022001.	1.5	16
88	Determination of quantum numbers for several excited charmed mesons observed in $B \rightarrow D^* \bar{c} \bar{c}$ decays. Physical Review D, 2020, 101, .	1.6	21
89	Amplitude analysis of the $B \rightarrow D^* \bar{c} \bar{c}$ decays. Physical Review Letters, 2020, 124, 031801.	1.6	42
90	Violation in $B \rightarrow D^* \bar{c} \bar{c}$ decays. Physical Review Letters, 2020, 124, 031801.	2.9	32

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91	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ and 13 TeV. European Physical Journal C, 2020, 80, . Measurement of $\langle \mathbb{1} \rangle$	1.4	8
92	Search for $\mathbb{1}$	1.6	28
93	Decays. Physical Review Letters, 2020, 124, 041801.	1.6	148
94	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \ell^+ \ell'^- \nu_{\ell'}$, using B_{s2}^{*0} decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
95	Observation of a new baryon state in the $\Lambda_{\text{b}}^0 \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
96	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
97	Search for the doubly heavy Ξ_{bc}^0 baryon via decays to $D^0 p K^+$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
98	Strong constraints on the $b \rightarrow s^3$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
99	The upgrade I of LHCb VELO towards an intelligent monitoring platform. Journal of Instrumentation, 2020, 15, C06009-C06009.	0.5	2
100	Measurement of the relative branching fractions of $B^0 \rightarrow K^+ K^- \pi^0$ decays. Physical Review D, 2020, 102, .	1.6	6
101	Measurement of the $\eta_c(1S)$ production cross-section in $p p$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
102	Search for CP violation in $\Xi_{bc}^+ \rightarrow p K^+ \pi^0$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
103	Measurement of branching fraction ratios for $B^+ \rightarrow D^{*+} K^+$, $B^+ \rightarrow D^{*0} K^+$, and $B^0 \rightarrow D^{*0} K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
104	Measurement of the shape of the $B_s^0 \rightarrow D_s^{*-} \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1. First observation of the decay $\mathbb{1}$	1.6	7
105	$\mathbb{1}$	1.6	0
106	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ u^-$. Journal of High Energy Physics, 2020, 2020, .	1.6	4
107	Measurement of CP violation in $B^0 \rightarrow D^{\pm} D^{\mp}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
108	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+$, $D^+ \rightarrow \overline{K}^0 K^+$ and $D^+ \rightarrow \overline{K}^0 K^+$. Journal of High Energy Physics, 2019, 2019, .	1.6	6

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109	Study of the $B_0 \rightarrow \bar{c} \ell \ell$ decay with an amplitude analysis of $B_0 \rightarrow \bar{c} (K^+ \pi^+)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
110	Measurement of the ratio of branching fractions of the decays $B_0 \rightarrow \bar{c} \ell \ell$ and $B_0 \rightarrow \bar{c} \ell \ell$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
111	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
112	Precision measurement of the $B^0 \rightarrow \bar{c} \ell \ell$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
113	Amplitude analysis of $B_0 \rightarrow \bar{c} \ell \ell$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
114	First Observation of the Radiative Decay $B^0 \rightarrow \bar{c} \ell \ell \gamma$. Physical Review Letters, 2019, 123, 031801.	2.9	19
115	Measurement of the branching fraction and CP asymmetry in $B^0 \rightarrow \bar{c} \ell \ell$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
116	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802.	2.9	55
117	Near-threshold D^0 spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
118	Amplitude analysis of the $B^0 \rightarrow \bar{c} \ell \ell$ decays and measurement of the branching fraction of the $B^0 \rightarrow \bar{c} \ell \ell$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
119	Observation of New Resonances in the $B^0 \rightarrow \bar{c} \ell \ell$ decays. Physical Review Letters, 2019, 123, 152001.	2.9	49
120	LHCb VELO Timepix3 telescope. Journal of Instrumentation, 2019, 14, P05026-P05026.	0.5	8
121	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow \bar{c} \ell \ell$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
122	Measurements of CP asymmetries in charmless four-body $B^0 \rightarrow \bar{c} \ell \ell$ and $B^0 \rightarrow \bar{c} \ell \ell$ decays. European Physical Journal C, 2019, 79, 1.	1.4	11
123	Measurement of hadron fractions in 13.6 TeV $p\bar{p}$ collisions. Physical Review D, 2019, 100, .	1.6	51
124	Measurement of the relative $B^0 \rightarrow \bar{c} \ell \ell$ branching fractions using B^0 mesons from $B^0 \rightarrow \bar{c} \ell \ell$ decays. Physical Review D, 2019, 99, .	1.6	3
125	Measurement of CP observables in the process $B_0 \rightarrow \bar{c} DK^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
126	Search for the rare decay $B^0 \rightarrow \bar{c} \ell \ell$. European Physical Journal C, 2019, 79, 1.	1.4	11

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127	Measurement of the CP-violating phase β from $B \rightarrow D^* s$ decays. Physical Review Letters, 2019, 122, 011802.	1.5	6
128	Observation of the $\Lambda_b^0 \rightarrow \Lambda_c^+ p K^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
129	Measurement of the Charm-Mixing Parameter γ_{CP} . Physical Review Letters, 2019, 122, 011802.	2.9	15
130	Search for CP Violation in $D_s \rightarrow K^0 \ell^+ \ell^-$, $D \rightarrow K^0 K^+ \ell^-$, and $D \rightarrow K^+ \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
131	Measurement of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2019, 122, 011802.	2.9	9
132	Measurement of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2019, 122, 011802.	1.6	17
133	Observation of a Narrow Pentaquark State $\Lambda_b^0 \rightarrow \Lambda_c^+ p K^-$ Decay. Physical Review Letters, 2019, 122, 232001.	2.9	157
134	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	2.9	105
135	Observation of an Excited B_c State. Physical Review Letters, 2019, 122, 232001.	1.6	43
136	Search for Lepton-Universality Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191801.	2.9	355
137	Observation of the doubly Cabibbo-suppressed decay $\Lambda_b^0 \rightarrow \Lambda_c^+ p K^-$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	2
138	Model-Independent Observation of Exotic Contributions to $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
139	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
140	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	2.9	48
141	Measurement of the mass and production rate of B_c baryons. Physical Review D, 2019, 99, .	1.6	18
142	Prompt $b+c$ production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
143	A search for χ_{cc}^{++} decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
144	Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B^0 \rightarrow \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6

#	ARTICLE	IF	CITATIONS
145	Measurement of the $B_c \rightarrow B^0 \tau^+ \nu_\tau$ meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2019, 100, 012001. Search for the Lepton-Flavor-Violating Decays $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ and $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ collisions. Physical Review D, 2019, 100, 012001.	1.6	12
146	Measurement of the $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2019, 100, 012001.	1.6	12
147	Search for Lepton-Flavor Violating Decays $B \rightarrow \tau^+ K^0 \nu_\tau \nu_\ell$. Physical Review Letters, 2019, 123, 241802.	2.9	18
148	Measurement of $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ -Violating and Mixing-Induced Observables in $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ Decays. Physical Review Letters, 2019, 123, 241802.	2.9	10
149	Amplitude Analysis of $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ Decays. Physical Review Letters, 2019, 123, 241802.	2.9	38
150	Measurement of Charged Hadron Production in $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2019, 123, 241802.	2.9	10
151	Searches for dark photons in LHCb. , 2019, , .	2.9	48
152	Searches for dark photons in LHCb. , 2019, , .		0
153	Search for excited B_c states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
154	Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
155	First observation of forward $Z \tau^+ b \bar{b} \tau^-$ production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
156	Measurement of CP observables in $B \rightarrow \tau^+ D(\bar{a}_1) K_{\pm}$ and $B \rightarrow \tau^+ D(\bar{a}_1) \bar{K}_{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.3	15
157	A measurement of the CP asymmetry difference between $\bar{B} \rightarrow \tau^+ \nu_\tau K^0$ and $B \rightarrow \tau^+ \nu_\tau \bar{K}^0$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
158	Measurement of CP asymmetry in $B \rightarrow \tau^+ D^0 K_{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
159	Search for the lepton-flavour violating decays $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
160	First measurement of the CP-violating phase ϕ_1 in $B \rightarrow \tau^+ (K^0) (K^0) \bar{K}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
161	Test of lepton flavor universality by the measurement of the $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ ratio. Physical Review Letters, 2018, 120, 061801.	1.6	189
162	Measurement of the Ratio of the $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ and $B \rightarrow \tau^+ \nu_\tau \ell^+ \nu_\ell$ ratios. Physical Review Letters, 2018, 120, 171802.	1.6	204

#	ARTICLE	IF	CITATIONS
163	Measurement of the Ratio of Branching Fractions $B_c \langle \mathcal{B} \rangle$		

#	ARTICLE	IF	CITATIONS
181	Measurement of $Z \hat{\tau}^+ \bar{\nu}_\tau, \nu_\tau, \hat{\tau}^-$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
182	First Observation of the Doubly Charmed Baryon Decay $\chi_{c1} \rightarrow \Lambda_c^+ \Lambda_c^0$. Physical Review Letters, 2018, 121, 092003.	2.9	122
183	Measurement of D_{s1}^{\pm} production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
184	Measurement of Angular and CP Asymmetries in $B \rightarrow D^* \rho^0$ Decays. Physical Review D, 2018, 97, .	2.9	13
185	Measurement of the Lifetime of the Doubly Charmed Baryon $\chi_{c1} \rightarrow \Lambda_c^+ \Lambda_c^0$. Physical Review Letters, 2018, 121, 092003.	2.9	23
186	Evidence for the decay $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
187	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	1.6	20
188	Observation of the decay $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
189	Measurement of the CP asymmetry in $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ and $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
190	Search for CP violation using triple product asymmetries in $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$, $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ and $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
191	Search for the rare decay $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$. Physical Review D, 2018, 97, .	1.6	17
192	Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, .	1.6	7
193	First observation of $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ and a search for $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
194	Measurements of the branching fractions of $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$, $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$, and $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$. Journal of High Energy Physics, 2018, 2018, .	1.6	10
195	Measurement of CP violation in $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
196	Amplitude Analysis of the Decay $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$ and First Observation of the CP Asymmetry in $B_c^+ \rightarrow \rho^0 \pi^+ \pi^0$. Physical Review Letters, 2018, 120, 261801.	2.9	14
197	Search for B_c^+ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	0.9	8
198	Measurement of the Lifetime of the Doubly Charmed Baryon $\chi_{c1} \rightarrow \Lambda_c^+ \Lambda_c^0$. Physical Review Letters, 2018, 121, 052002.	2.9	76

#	ARTICLE	IF	CITATIONS
199	Measurement of branching fractions of charmless four-body $\hat{b} \rightarrow b \bar{0}$ and $\hat{b} \rightarrow b \bar{0}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
200	Observation of the decay $\hat{b} \rightarrow b \bar{0} \hat{c} + p \bar{p} \hat{c} \rightarrow \bar{c} \hat{c} \hat{c} \hat{c}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	1.5	8
201	Observation of a New $\hat{b} \rightarrow b \bar{0} \hat{c} + p \bar{p} \hat{c} \rightarrow \bar{c} \hat{c} \hat{c} \hat{c}$ Resonance. Physical Review Letters, 2018, 121, 072002.	2.9	27
202	Evidence for the Rare Decay $\hat{b} \rightarrow b \bar{0} \hat{c} + p \bar{p} \hat{c} \rightarrow \bar{c} \hat{c} \hat{c} \hat{c}$. Physical Review Letters, 2018, 120, 221803.	2.9	24
203	Search for the CP-violating strong decays $\hat{b} \rightarrow b \bar{0} \hat{c} + p \bar{p} \hat{c} \rightarrow \bar{c} \hat{c} \hat{c} \hat{c}$ and $\hat{b} \rightarrow b \bar{0} \hat{c} + p \bar{p} \hat{c} \rightarrow \bar{c} \hat{c} \hat{c} \hat{c}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
204	Search for the suppressed decays $B \rightarrow \hat{c} \bar{c} K + K \bar{c} \hat{c}$ and $B \rightarrow \hat{c} \bar{c} \hat{c} + \hat{c} K \bar{c}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
205	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
206	Amplitude analysis of $B \rightarrow \hat{c} \bar{c} K$. Physical Review D, 2017, 95, 074011.	1.6	92
207	Consistent with Exotic States from Amplitude Analysis of $B \rightarrow \hat{c} \bar{c} K$ Structures. Physical Review Letters, 2017, 118, 081801.	2.9	150
208	Observation of the Annihilation Decay Mode $B \rightarrow \hat{c} \bar{c} K$. Physical Review Letters, 2017, 118, 081801.	2.9	25
209	First Experimental Study of Photon Polarization in Radiative $B_s \rightarrow 0$ Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
210	Measurement of forward $B \rightarrow \hat{c} \bar{c} K$ and evidence for $B \rightarrow \hat{c} \bar{c} K$. Physical Review Letters, 2017, 118, 021801.	1.5	7
211	Measurement of the $B \rightarrow \hat{c} \bar{c} K$ and evidence for $B \rightarrow \hat{c} \bar{c} K$. Physical Review Letters, 2017, 118, 021801.	1.6	21
212	Measurement of the $B \rightarrow \hat{c} \bar{c} K$ and evidence for $B \rightarrow \hat{c} \bar{c} K$. Physical Review Letters, 2017, 118, 052002.	2.9	52
213	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \hat{c} \bar{c} K$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
214	Study of the $D \rightarrow 0 p$ amplitude in $\hat{b} \rightarrow b \bar{0} \hat{c} + p \bar{p} \hat{c} \rightarrow \bar{c} \hat{c} \hat{c} \hat{c}$ decays. Journal of High Energy Physics, 2017, 2017, 11.6	1.6	54
215	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
216	Observation of $B \rightarrow \hat{c} \bar{c} J / \psi \bar{3} \hat{c} + 2 \hat{c} \bar{c}$ and $B \rightarrow \hat{c} \bar{c} J / \psi \bar{3} \hat{c} + 2 \hat{c} \bar{c}$. European Physical Journal C, 2017, 77, 72.	1.4	7

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235	Measurement of CP asymmetries in $D_{s1}^{\pm} \rightarrow \bar{c} \ell^{\pm} \nu_{\ell} \bar{c} \ell^{\pm} \nu_{\ell}$ and $D_{s1}^{\pm} \rightarrow \bar{c} \ell^{\pm} \nu_{\ell} \bar{c} \ell^{\pm} \nu_{\ell}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	8
236	Observation of $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	18
237	Observation of the $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
238	Branching Fraction and Effective Lifetime and Search for $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$ decays. Physical Review Letters, 2017, 118, 192001.	2.9	220
239	Study of $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$ decays. Physical Review Letters, 2017, 118, 192001.	2.9	39
240	Observation of the Decays $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$ and $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$. Physical Review Letters, 2017, 119, 062001.	2.9	28
241	Observation of the $B^+ \rightarrow D^+ K^+ \bar{\ell}^+$ decay. Physical Review D, 2017, 96, .	1.6	4
242	Search for the Decays $B^+ \rightarrow D^+ K^+ \bar{\ell}^+$ and $B^0 \rightarrow D^0 K^+ \bar{\ell}^+$. Physical Review Letters, 2017, 118, 251802.	2.9	81
243	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
244	Observation of the suppressed decay $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
245	Test of lepton universality with $B^0 \rightarrow K^* \ell^+ \ell^-$, $B^+ \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	425
246	$\tilde{\chi}_{c1}$ and $\tilde{\chi}_{c2}$ Resonance Parameters with the Decays $\tilde{\chi}_{c1,2} \rightarrow \gamma \ell^+ \ell^-$. Physical Review Letters, 2017, 119, 221801.	2.9	18
247	Observation of $D^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ Meson Decays to $\pi^+ \pi^- \ell^+ \ell^-$. Physical Review Letters, 2017, 119, 181807.	2.9	21
248	Search for Baryon-Number Violating $\Lambda_c^{\pm} \rightarrow \Lambda^{\pm} \ell^{\pm} \nu_{\ell}$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
249	Measurement of the J/ψ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
250	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
251	Measurements of prompt charm production cross-sections in pp collisions at $s = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35
252	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	1.5	10

#	ARTICLE	IF	CITATIONS
253	Evidence for the two-body charmless baryonic decay $B + \hat{\pi}^+ p \hat{\Lambda}^-$. $\overline{B} \rightarrow \psi(1020) p \overline{\Lambda}^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
254	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \hat{\pi}^+ p \hat{\Lambda}^-$. Physical Review Letters, 2017, 119, 232001.	2.9	15
255	Resonances and CP violation in $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ and $B \rightarrow \psi(1020) p \hat{\Lambda}^-$ decays in the mass region above the $\overline{\Lambda}(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
256	Study of $\overline{B} \rightarrow \psi(1020) p \overline{\Lambda}^-$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
257	Measurement of CP observables in $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
258	Measurement of $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ and $B \rightarrow \psi(1020) p \hat{\Lambda}^-$ decays. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 139-158.	1.5	13
259	Measurement of CP violation in $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ and $B \rightarrow \psi(1020) p \hat{\Lambda}^-$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	9
260	First Observation of a Baryonic $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ decay. Physical Review Letters, 2017, 119, 041802.	1.6	14
261	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
262	Updated branching fraction measurements of $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
263	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
264	Observation of the decay $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ and evidence for $B \rightarrow \psi(1020) p \hat{\Lambda}^-$. Journal of High Energy Physics, 2017, 2017, .	1.6	6
265	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
266	Measurement of the $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
267	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
268	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \hat{\pi}^+ J/\psi(1020) p$ and $B \rightarrow \hat{\pi}^+ J/\psi(1020) K^+$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
269	Characterisation of Medipix3 silicon detectors in a charged-particle beam. Journal of Instrumentation, 2016, 11, P01011-P01011.	0.5	4
270	A precise measurement of the $B \rightarrow \psi(1020) p \overline{\Lambda}^-$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21

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271	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
272	Observations of $\hat{b} \rightarrow 0 \hat{a} \bar{K} + \bar{K} \hat{a}$ and $\hat{b} \rightarrow 0 \hat{a} \bar{K} + K \hat{a}$ decays and searches for other $\hat{b} \rightarrow 0$ and $\hat{b} \rightarrow 0$ decays to \hat{b} final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
273	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
274	Observation of $\hat{b} \rightarrow 0 \hat{a} (2S) p \bar{K}$ and $\hat{b} \rightarrow 0 \hat{a} \bar{K} + \bar{K} \hat{a}$ decays and a measurement of the $\hat{b} \rightarrow 0$ baryon magnetic moment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
275	Measurement of the properties of the $\hat{b} \rightarrow 0$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
276	Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
277	Measurement of the CKM angle $\hat{\beta}$ using $B \rightarrow DK^0$ with $D \rightarrow K^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
278	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
279	Measurement of the ratio of branching fractions $\hat{B} \rightarrow B c + \hat{a}^+ J / \hat{B} \rightarrow K + \hat{a}^+ J$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
280	Measurement of forward $W \hat{a}^+ e^{1/2}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
281	Measurement of the CKM angle $\hat{\beta}$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
282	Measurements of the S-wave fraction in $B \rightarrow K + \hat{a}^+ \hat{a}^0$ decays and the $B \rightarrow K \hat{a}^+ (892) \hat{a}^0$ differential branching fractions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
283	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
284	A new algorithm for identifying the flavour of B^0 mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
285	Amplitude analysis of $B \rightarrow K \hat{a}^+ \hat{a}^0$ decays. Physical Review D, 2016, 94, .	1.6	72
286	Study of B_c^+ decays to the $K + \bar{K}^0$ final state and evidence for the decay $B_c^+ \rightarrow K^0 \bar{K}^0$. Physical Review D, 2016, 94, .	1.6	20
287	Measurement of the $B \rightarrow K^0 \bar{K}^0$ violation in $B \rightarrow K^0 \bar{K}^0$ decays. Physical Review D, 2016, 94, .	2.9	12
288	Measurement of the $B \rightarrow K^0 \bar{K}^0$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	1.5	6

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289	Search for the lepton-flavour violating decay $D_0 \rightarrow e^+ \mu^- \nu_e$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
290	Model-independent measurement of the CKM angle $\hat{\Gamma}^3$ using $B_0 \rightarrow D^+ K^+ \pi^-$ decays with $D^+ \rightarrow K^+ S^0 \bar{K}^0 + \bar{K}^+ S^0$ and $K^+ S^0$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
291	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, 762, 473-483.	1.5	17
292	Search for B_c^+ decays to the $p\bar{p} + 4\pi^+$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	1.5	12
294	Observation of the $B^0 \rightarrow D^+ D^+ K^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
295	Measurement of CP observables in $B^0 \rightarrow D^+ D^+ K^-$ and $B^0 \rightarrow D^+ D^+ \bar{K}^0$ with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	1.5	20
296	Measurement of the $B^0 \rightarrow D^+ D^+ K^-$ asymmetry in $B^0 \rightarrow D^+ D^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	2.9	22
297	Contributions to $B^0 \rightarrow D^+ D^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	2.9	102
298	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow D^+ D^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	2.9	110
299	Physical Review Letters, 2016, 117, 082003.	3.0	56
300	Tesla: An application for real-time data analysis in High Energy Physics. Computer Physics Communications, 2016, 208, 35-42.	1.6	20
301	Studies of the resonance structure in $B^0 \rightarrow D^+ D^+ K^-$ decays. Physical Review D, 2016, 93, .	1.6	13
302	Measurement of the mass and lifetime of the $B^0 \rightarrow D^+ D^+ K^-$ baryon. Physical Review D, 2016, 93, .	2.9	27
303	First Observation of $B^0 \rightarrow D^+ D^+ K^-$ Oscillations in $B^0 \rightarrow D^+ D^+ K^-$ decays. Physical Review D, 2016, 93, .	1.6	5
304	First observation of the rare $B^0 \rightarrow D^+ D^+ K^-$ decay. Physical Review D, 2016, 93, .	1.6	5
305	Measurement of the $B_s^0 \rightarrow D_s^+ D_s^+ K^-$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
306	Constraints on the unitarity triangle angle $\hat{\Gamma}^3$ from Dalitz plot analysis of $B^0 \rightarrow D^+ D^+ K^-$ decays. Physical Review D, 2016, 93, .	1.6	13
306	Observation of $B_s^0 \rightarrow D_s^+ D_s^+ K^-$ and Evidence for $B_s^0 \rightarrow D_s^+ D_s^+ K^-$ Decays. Physical Review Letters, 2016, 116, 161802.	2.9	6

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307	Measurement of the Difference of Time-Integrated $\langle \text{mml:math display="inline">< mml:mi>C</mml:mi>< mml:mi>P</mml:mi></mml:math>$ Asymmetries in $\langle \text{mml:math display="inline">< mml:mi>C</mml:mi>< mml:mi>P</mml:mi></mml:math>$ Search for Violations of Lorentz Invariance and $\langle \text{mml:math display="inline">< mml:msubsup>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mi>K</mml:mi></mml:msubsup>$ in $\langle \text{mml:math display="inline">< mml:mi>C</mml:mi>< mml:mi>P</mml:mi></mml:math>$ Symmetry $\langle \text{mml:math display="inline">< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mrow>< mml:mi>K</mml:mi></mml:mrow>< mml:msup>< mml:mi>K</mml:mi></mml:msup>$	2.9	42
308	Search for Structure in the $\langle \text{mml:math display="inline">< mml:msubsup>< mml:mi>B</mml:mi>< mml:mi>s</mml:mi></mml:msubsup>$ Mass Spectrum. <i>Physical Review Letters</i> , 2016, 117, 152003.	2.9	31
310	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ in the K_S^0 region. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	15
311	Study of $D^0 \rightarrow K^+ K^- S^0$ and $D^0 \rightarrow K^+ K^- S^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
312	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	59
313	Study of $\tilde{\chi}(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	14
314	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	13
315	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	100
316	First observation of the decay $B^0 \rightarrow K^+ K^- S^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. 5	1.6	5
317	Observation of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	8
318	First observation of the decay $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ in the K_S^0 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
319	Angular analysis of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay using 3 fb^{-1} of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	304
320	Study of CP violation in $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ ($h=K, \pi$) with the modes $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$. <i>Physical Review D</i> , 2015, 91, .	1.6	14
321	Study of $\langle \text{mml:math display="inline">< mml:mrow>< mml:msup>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mi>K</mml:mi></mml:mrow>< mml:msup>< mml:mi>K</mml:mi></mml:msup>$ Physical Review D, 2015, 92, .	1.6	6
322	First Observation of Top Quark Production in the Forward Region. <i>Physical Review Letters</i> , 2015, 115, 112001.	2.9	22
323	Evidence for the Strangeness-Changing Weak Decay $\langle \text{mml:math display="inline">< mml:mrow>< mml:msubsup>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mi>K</mml:mi></mml:mrow>< mml:msup>< mml:mi>K</mml:mi></mml:msup>$ First observation and amplitude analysis of the $\langle \text{mml:math display="inline">< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mi>K</mml:mi></mml:mrow>< mml:msup>< mml:mi>K</mml:mi></mml:msup>$	2.9	25
324	First observation and amplitude analysis of the $\langle \text{mml:math display="inline">< mml:msup>< mml:mi>B</mml:mi>< mml:mi>K</mml:mi></mml:msup>$ Physical Review D, 2015, 91, .	1.6	50

#	ARTICLE	IF	CITATIONS
325	Amplitude analysis of $B \rightarrow D^* K$ decays. Physical Review D, 2015, 92, .	1.6	69
326	Amplitude analysis of $B \rightarrow D^* K$ decays. Physical Review D, 2015, 92, .	1.6	30
327	Amplitude analysis of $B \rightarrow D^* K$ decays. Physical Review D, 2015, 92, .	1.6	80
328	Study of $B \rightarrow D^* K$ decays. Physical Review D, 2015, 92, .	1.6	22
329	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_\tau) / B(B_c \rightarrow \tau^+ \nu_\tau)$. Physical Review D, 2015, 92, .	1.6	14
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331	Model-independent confirmation of the $B \rightarrow D^* K$ decays. Physical Review D, 2015, 92, .	1.6	56
332	Measurement of $B \rightarrow D^* K$ decays. Physical Review Letters, 2015, 115, 031601.	2.9	30
333	Observation of the $B_s \rightarrow \tau^+ \nu_\tau$ decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
334	Observation of $B \rightarrow D^* K$ decays. Resonances Consistent with Pentaquark States in $B \rightarrow D^* K$ decays. Physical Review Letters, 2015, 115, 031601.	2.9	816
335	Consistent with Pentaquark States in $B \rightarrow D^* K$ decays. Physical Review Letters, 2015, 115, 031601.	2.9	816

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344	Forward production of Υ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
345	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
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350	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
351	Differential branching fraction and angular analysis of $B^0 \rightarrow \bar{c}c \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
352	Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow J/\psi K^0$. Journal of High Energy Physics, 2015, .	1.6	12
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363	Observation of two new charmless two-body decays of beauty mesons, $B \rightarrow \pi^+ \pi^- \pi^0$ and $B \rightarrow \pi^0 \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	2.9	47
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410	Measurement of the ratio of $B^0 \rightarrow D^+ K^-$ fractions to $B^0 \rightarrow D^+ K^-$. Physical Review Letters, 2014, 112, .	1.6	31
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418	Measurement of the CKM angle $\hat{\beta}_3$ using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow K^0 \bar{K}^0 + \bar{K}^0 K^0$, $K^0 K^0 + K^0 K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
419	Measurement of CP asymmetry in $B \rightarrow D^* K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
420	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
421	Measurement of the flavour-specific CP-violating asymmetry $A_{CP}^{\text{eff}}(B \rightarrow DK^{\pm})$ and $A_{CP}^{\text{eff}}(B \rightarrow D^* K^{\pm})$ decays with χ^2 minimization. Journal of High Energy Physics, 2014, 2014, 1.	1.5	34
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435	Evidence for the decay $B \rightarrow \psi(3770) \ell^+ \ell^-$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
436	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{*0} \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
437	Measurement of CP asymmetry in $D \rightarrow K^* K^0$ and $D \rightarrow K^* \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
438	Study of Υ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
439	Observation of the $B \rightarrow \psi(3770) \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
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442	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
443	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
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481	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \rho^+ K^{\prime -}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
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507	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.	0.9	17
508	Observation of $\tau \rightarrow \mu \nu \tau \nu$	2.9	65
509	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.	0.9	24
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516	Measurement of the $B \rightarrow D^* \tau \nu$ Asymmetry in $B \rightarrow D^* \tau \nu$ Mixing Parameters and Search for $B \rightarrow D^* \tau \nu$	2.9	13
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518	Measurement of the $B \rightarrow D^* \tau \nu$ Asymmetry in $B \rightarrow D^* \tau \nu$ Violating Phase in $B \rightarrow D^* \tau \nu$	2.9	13
519	Measurement of the $B \rightarrow D^* \tau \nu$ Asymmetry in $B \rightarrow D^* \tau \nu$ Violating Phase in $B \rightarrow D^* \tau \nu$	2.9	19
520	Determination of the $B \rightarrow D^* \tau \nu$	2.9	13
521	Determination of the $B \rightarrow D^* \tau \nu$	2.9	19
522	Determination of the $B \rightarrow D^* \tau \nu$	2.9	13

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524	Analysis of the resonant components in $B \rightarrow \tau^+ K^0$ decays. Physical Review D, 2013, 87, .	1.6	19
525	Observation of the decay $B \rightarrow \tau^+ K^0$. Physical Review Letters, 2013, 111, 181801.	2.9	72
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527	Measurement of the polarization amplitudes in $B \rightarrow \tau^+ K^0$ decays. Physical Review D, 2013, 87, .	1.6	7
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529	Measurement of C and P violation in the Phase Space of $B \rightarrow \tau^+ K^0$ decays. Physical Review Letters, 2013, 111, 101801.	2.9	101
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540	Search for Rare $B \rightarrow \tau^+ K^0$ decays. Physical Review D, 2013, 88, .	2.9	21

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578	Measurement of the CP-violating phase $\arg(-i\lambda_{cb})$ in $B \rightarrow D^* \mu^+ \mu^-$ decays Measurement of the cross-section ratio R_{D^*}		



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704	Next-to-leading order QCD analysis of the spin structure function g_1 . Physical Review D, 1998, 58, .	1.6	117
705	Spin asymmetries A_1 and structure functions g_1 of the proton and the deuteron from polarized high energy muon scattering. Physical Review D, 1998, 58, .	1.6	266
706	Spin structure of the proton from polarized inclusive deep-inelastic muon-proton scattering. Physical Review D, 1997, 56, 5330-5358.	1.6	233
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708	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
709	A line-shape analysis for spin-1 NMR signals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 398, 109-125.	0.7	17