

Lluís Garrido

List of Publications by Year in descending order

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Version: 2024-02-01

687
papers

32,162
citations

7551

77
h-index

7931

149
g-index

700
all docs

700
docs citations

700
times ranked

11907
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for massive long-lived particles decaying semileptonically at $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, .	1.4	2
2	Study of $B_{(s)}^0 \rightarrow J/\psi K^+ K^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
3	Measurement of the CKM angle $\hat{\Gamma}^3$ in $B_{(s)}^0 \rightarrow D K^{\pm}$ and $B_{(s)}^0 \rightarrow D^* K^{\pm}$ decays with $D^* \rightarrow K^{\pm} \pi^0$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
4	Search for long-lived particles decaying to $e^{\pm} \mu^{\pm} \nu$. European Physical Journal C, 2021, 81, 1.	1.4	9
5	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^{\pm} \nu$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	1.4	15
6	Search for the rare decay $B^0 \rightarrow J/\psi \pi^+$. Chinese Physics C, 2021, 45, 043001.	1.5	2
7	Search for the doubly charmed baryon Ξ_{cc} . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	10
8	Observation of a $\Lambda_b^0 \rightarrow \bar{\Lambda}_b^0$ production asymmetry in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
9	Angular analysis of the rare decay $B_s^0 \rightarrow J/\psi \pi^+ \pi^-$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
10	First measurement of the CP-violating phase in $B^0 \rightarrow J/\psi (K^+ K^-)$. Journal of High Energy Physics, 2021, 2021, 1.	1.4	2
11	Measurement of J/ψ production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
12	Simultaneous determination of CKM angle $\hat{\Gamma}^3$ and charm mixing parameters. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
13	Search for the doubly charmed baryon Ξ_{cc}^+ in the $\Xi_{cc}^+ \rightarrow \pi^+ \pi^0 \pi^+$ final state. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
14	Updated search for B_c^+ decays to two charm mesons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	0
15	Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
16	Precision measurement of the B_c^+ meson mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
17	Study of the $\bar{\Gamma}^2(3823)$ and $\bar{\Gamma}^1(3872)$ states in $B^+ \rightarrow J/\psi K^+$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
18	Test of lepton universality with $\Lambda_b^0 \rightarrow p \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31

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19	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
20	Measurement of CP observables in $B_{\pm}^0 \rightarrow DK_{\pm}^*$ and $B_{\pm}^0 \rightarrow D^{\pm} K_{\pm}^*$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
21	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
22	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \ell^+ \ell'^-$, using B_{s2}^0 decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
23	Observation of a new baryon state in the Λ_{b}^0 mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
24	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
25	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
26	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
27	Measurement of the $\eta_c(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
28	Search for CP violation in $\chi_{c1}^0 \rightarrow p \bar{K}^+ \pi^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
29	Measurement of branching fraction ratios for $B^+ \rightarrow D^{*+} K^+$, $B^+ \rightarrow D^{*+} D^+ K^+$, and $B^0 \rightarrow D^{*+} D^0 K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
30	Measurement of the shape of the $B_{s0}^0 \rightarrow D_{s1}^+ \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
31	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \mu^-$. Journal of High Energy Physics, 2020, 2020, .	1.6	4
32	Measurement of CP violation in $B^0 \rightarrow D^{\pm} D^{\mp}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
33	Study of the $B^0 \rightarrow \bar{K}^*(892) 0$ decay with an amplitude analysis of $B^0 \rightarrow (\bar{K}^*(892) 0) (K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
34	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \bar{K}^*(892) 0$ and $B^0 \rightarrow \bar{K}^*(892) 0$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
35	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
36	Amplitude analysis of $B^0 \rightarrow \bar{K}^*(892) 0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12

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37	Measurement of the branching fraction and CP asymmetry in $B^+ \rightarrow J/\psi \rho^+ \pi^+$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
38	Near-threshold D^0 spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
39	Amplitude analysis of the $B^0 \rightarrow K^* \overline{K}^* \pi^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^* \overline{K}^* \pi^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
40	Updated measurement of time-dependent CP -violating observables in $B^0 \rightarrow J/\psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
41	Measurements of CP asymmetries in charmless four-body $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0 \pi^0$ decays. European Physical Journal C, 2019, 79, 1.	1.4	11
42	Measurement of CP observables in the process $B^0 \rightarrow D^+ D^- K^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
43	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1.	1.4	11
44	Observation of the $B^0 \rightarrow \chi_{c1} \pi^0$ (3872) ρ^+ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
45	Physics potential of the International Axion Observatory (IAXO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.9	135
46	Observation of the doubly Cabibbo-suppressed decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	2
47	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
48	Prompt $b \rightarrow c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
49	A search for $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
50	Measurement of CP violation in the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay and search for the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
51	Multimodal Simulation of Large Area Silicon Photomultipliers for Time Resolution Optimization. , 2019, , .		1
52	Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
53	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
54	Search for the lepton-flavour violating decays $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21

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55	First measurement of the CP-violating phase $\phi_{\overline{D}^0 \rightarrow K^+ K^0}$ in $\overline{D}^0 \rightarrow K^+ K^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
56	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
57	Study of \overline{D}^0 production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
58	Search for beautiful tetraquarks in the $\overline{D}^0(1S) \rightarrow \overline{D}^0(1S) \pi^+ \pi^-$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
59	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	1.4	9
60	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
61	Measurement of \overline{D}^0 production in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
62	Measurement of forward top pair production in the dilepton channel in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
63	Observation of the decay $\overline{B}_s^0 \rightarrow \overline{B}_s^0 \chi_{c2}^+ K^-$ in the \overline{B}_s^0 mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
64	Search for a dimuon resonance in the \overline{B}_s^0 mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
65	Studies of the resonance structure in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
66	Angular moments of the decay $\overline{B}_s^0 \rightarrow \overline{B}_s^0 \pi^+ \pi^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
67	Measurement of $Z \rightarrow \overline{D}^0, \overline{D}^+, \overline{D}^*$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
68	Measurement of the CKM angle β_3 using $B_{\pm}^0 \rightarrow DK_{\pm}^*$ with $D \rightarrow K^+ K^0, K^+ K^+$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
69	Measurement of D_{\pm}^* s production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
70	Evidence for the decay $\overline{B}_s^0 \rightarrow \overline{B}_s^0 \chi_{c0}^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
71	Observation of the decay $\overline{B}_s^0 \rightarrow \overline{B}_s^0 \overline{\chi}(2S) \pi^+$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
72	Measurement of the CP asymmetry in $B_{\pm}^0 \rightarrow D_{\pm}^* D^0$ and $B_{\pm}^0 \rightarrow D_{\pm}^* D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2

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73	Search for CP violation using triple product asymmetries in $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c}$, $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c} s$ and $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c} s$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
74	First observation of $B \rightarrow D s + K$ decays and a search for $B \rightarrow D s + \bar{l}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	11
75	Measurement of CP violation in $B \rightarrow D^* \bar{D}^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
76	Measurement of branching fractions of charmless four-body $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c}$ and $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c} s$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
77	Search for the CP-violating strong decays $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c}$ and $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c} s$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
78	Search for the suppressed decays $B \rightarrow K^* K^* \ell^+ \ell^-$ and $B \rightarrow K^* K^* \ell^+ \ell^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
79	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
80	Amplitude analysis of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2017, 95, 074013.	1.6	92
81	Structures Consistent with Exotic States from Amplitude Analysis of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 081801.	2.9	150
82	Observation of the Annihilation Decay Mode $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 081801.	2.9	25
83	First Experimental Study of Photon Polarization in Radiative $B_s \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
84	Measurement of forward $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 021801.	1.5	7
85	and evidence for $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 021801.	1.6	21
86	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ -Quark Production Cross Section in 7 and 13 TeV pp Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
87	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^* \ell^+ \ell^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
88	Study of the $D \rightarrow p$ amplitude in $\hat{b} \rightarrow \hat{c} \ell^+ \ell^- \bar{c}$ decays. Journal of High Energy Physics, 2017, 2017, 11.6		54
89	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
90	Observation of $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$. European Physical Journal C, 2017, 77, 72.	1.4	7

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91	Measurement of CP asymmetry in $D_0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17
92	Observation of the Decay $\tilde{Z} \rightarrow \tilde{a}_1^+ p \tilde{K}^+ \tilde{K}^-$. Physical Review Letters, 2017, 118, 071801.	2.9	9
93	Search for long-lived scalar particles in $e^+e^- \rightarrow \tilde{Z} \rightarrow \tilde{a}_1^+ p \tilde{K}^+ \tilde{K}^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.6	79
94	Study of prompt D_0 meson production in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
95	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.5	37
96	Study of charmonium production in $B \rightarrow J/\psi p$ decays and first evidence for the decay $B \rightarrow J/\psi p \pi^0$. European Physical Journal C, 2017, 77, 609.	1.4	17
97	Improved limit on the branching fraction of the rare decay $B \rightarrow J/\psi p \pi^0$. European Physical Journal C, 2017, 77, 678.	1.4	17
98	Observation of $B_c \rightarrow J/\psi D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, .	1.6	12
99	Measurements of charm mixing and CP violation using $B \rightarrow D^{(*)} p \pi^0$ decays. Physical Review D, 2017, 95, .	1.6	11
100	Measurement of the B_{Δ^\pm} production asymmetry and the CP asymmetry in $B_{\Delta^\pm} \rightarrow J/\psi K_{\Delta^\pm}$ decays. Physical Review D, 2017, 95, .	1.6	6
101	Search for the $B \rightarrow J/\psi p \pi^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
102	Observation of the decay $\tilde{Z} \rightarrow b_0 \tilde{a}_1^+ \tilde{a}_1^0 p \tilde{K}^+ \tilde{K}^-$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
103	Measurement of $B \rightarrow D^{(*)} p \pi^0$ and $B \rightarrow D^{(*)} p \pi^0$ decays. Physical Review Letters, 2017, 119, 01801.	2.9	15
104	Meson Lifetimes. Physical Review Letters, 2017, 119, 112001.	2.9	417
105	Measurement of the CP Violation Parameter A_{FB}^0 in $D_0 \rightarrow K^+ K^-$ and $D_0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
106	Observation of $B \rightarrow D^{(*)} p \pi^0$ and $B \rightarrow D^{(*)} p \pi^0$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
107	Observations of Five New Narrow States Decaying to $J/\psi p \pi^0$. Physical Review Letters, 2017, 118, 111803.	2.9	234
108	States Decaying to $J/\psi p \pi^0$. Physical Review Letters, 2017, 118, 111803.	2.9	234

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109	Measurement of CP asymmetries in $D_{s1}^{\pm} \rightarrow \bar{D}^{\pm} \pi^{\pm} \pi^{\pm}$ and $D_{s1}^{\pm} \rightarrow \bar{D}^{\pm} \pi^{\pm} \pi^{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	8
110	Observation of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	18
111	Measurement of the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
112	Branching Fraction and Effective Lifetime and Search for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decays. Physical Review Letters, 2017, 118, 192001.	2.9	220
113	Study of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
114	Observation of the Decays $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$. Physical Review Letters, 2017, 119, 062001.	2.9	28
115	Observation of the $B^+ \rightarrow D^+ K^+ \bar{K}^0$ decay. Physical Review D, 2017, 96, .	1.6	4
116	Search for the Decays $B^+ \rightarrow D^+ K^+ \bar{K}^0$ and $B^+ \rightarrow D^+ K^+ \bar{K}^0$. Physical Review Letters, 2017, 118, 251802.	2.9	81
117	Measurement of the shape of the $B^+ \rightarrow D^+ K^+ \bar{K}^0$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
118	Observation of the suppressed decay $B^+ \rightarrow D^+ K^+ \bar{K}^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
119	Test of lepton universality with $B^0 \rightarrow K^* K^0$, $B^0 \rightarrow K^* K^0$, $B^0 \rightarrow K^* K^0$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	425
120	Λ_c^+ and Λ_c^0 Resonance Parameters with the Decays $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ and $\Lambda_c^0 \rightarrow \Lambda^0 \pi^0$. Physical Review Letters, 2017, 119, 221801.	2.9	18
121	Observation of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ Meson Decays to $\Lambda^0 \pi^+$. Physical Review Letters, 2017, 119, 181805.	2.9	21
122	LHCb Collaboration. Nuclear Physics A, 2017, 967, 987-993.	0.6	1
123	Search for Baryon-Number Violating $B^0 \rightarrow \Lambda^0 \pi^0$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
124	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
125	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
126	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35

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127	Search for CP violation in the phase space of $D_0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	1.5	10
128	Evidence for the two-body charmless baryonic decay $B \rightarrow \Lambda^0 p \bar{\Lambda}^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
129	First Observation of the Rare Purely Baryonic Decay $B_0 \rightarrow \Lambda^0 p \bar{\Lambda}^-$. Physical Review Letters, 2017, 119, 232001.	2.9	15
130	Resonances and CP violation in $B \rightarrow \pi^0 \pi^+ \pi^-$ and $B \rightarrow \pi^0 \pi^+ \pi^- K^0$ decays in the mass region above the $\bar{K}^*(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
131	Study of $\langle \cos \phi_{\text{B}} \rangle$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
132	Measurement of CP observables in $B \rightarrow \Lambda^0 \Lambda^0 \bar{K}^0$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
133	Measurement of $B_0 \rightarrow \pi^+ \pi^- \pi^0$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.5	13
134	Measurement of CP violation in $B_0 \rightarrow \pi^+ \pi^- \pi^0$ and $B_0 \rightarrow \pi^+ \pi^- \pi^0 (2S)$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	9
135	First Observation of a Baryonic $B \rightarrow \Lambda^0 \Lambda^0 \bar{K}^0$ decay. Physical Review Letters, 2017, 119, 041802.	1.4	41
136	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
137	Updated branching fraction measurements of $B_0 \rightarrow \pi^+ \pi^- \pi^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
138	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
139	Observation of the decay $B \rightarrow \pi^+ \pi^- \pi^0$ and evidence for $B \rightarrow \pi^+ \pi^- \pi^0 c \bar{c}$. Journal of High Energy Physics, 2017, .	1.6	6
140	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
141	Measurement of the $B \rightarrow \Lambda^0 \Lambda^0 \bar{K}^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
142	Measurement of the $\Lambda(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
143	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \Lambda^0 \Lambda^0 \bar{K}^0$ and $B \rightarrow \Lambda^0 \Lambda^0 \bar{K}^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
144	A precise measurement of the $B \rightarrow \pi^0 \pi^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21

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145	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
146	Observations of $\hat{b} \rightarrow 0 \hat{a} \ell^+ \ell^- K + \bar{\ell} \hat{a}^-$ and $\hat{b} \rightarrow 0 \hat{a} \ell^+ \ell^- K + K \hat{a}^-$ 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
147	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
148	Observation of $\hat{b} \rightarrow 0 \hat{a} \ell^+ \ell^- (2S) p \hat{K}^-$ and $\hat{b} \rightarrow 0 \hat{a} \ell^+ \ell^- J/\psi + \bar{\ell} \hat{a}^- p \hat{K}^-$ decays and a measurement of the $\hat{b} \rightarrow 0$ baryon magnetic moment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
149	Measurement of the properties of the $\hat{b} \rightarrow 0$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
150	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
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152	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
153	Measurement of the ratio of branching fractions $\hat{a}_{B \rightarrow c} + \hat{a}_{B \rightarrow c}^*$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
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155	Measurement of the CKM angle $\hat{\beta}_3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
156	Measurements of the S-wave fraction in $B \rightarrow 0 \hat{a}^+ K + \bar{\ell} \hat{a}^- \hat{1}/4 + \hat{1}/4 \hat{a}^-$ decays and the $B \rightarrow 0 \hat{a}^+ K \hat{a}^-(892) 0 \hat{1}/4 + \hat{1}/4 \hat{a}^-$ differential branching fractions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
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158	A new algorithm for identifying the flavour of $B \rightarrow 0$ mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
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161	Measurement of $C \rightarrow P$ violation in $B \rightarrow 0$ decays. Physical Review D, 2016, 94, .	2.9	12
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164	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 $K^+ S^0 \rightarrow K^+ K^+ \bar{K}^0$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
165	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
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168	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
169	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
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171	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow D^+ D^+ K^-$ decays. Physical Review D, 2016, 93, .	2.9	102
172	Measurement of the mass and lifetime of the B_c^+ baryon. Physical Review D, 2016, 93, .	2.9	110
173	Studies of the resonance structure in $B^0 \rightarrow D^+ D^+ K^-$ decays. Physical Review D, 2016, 93, .	1.6	20
174	Measurement of the mass and lifetime of the B_c^+ baryon. Physical Review D, 2016, 93, .	1.6	13
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178	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
179	Observation of $B_s^0 \rightarrow D^+ D^+ K^-$ and Evidence for $B_s^0 \rightarrow D^+ D^+ \bar{K}^0$ Decays. Physical Review Letters, 2016, 116, 161802.	2.9	6
180	Measurement of the Difference of Time-Integrated Asymmetries in $B^0 \rightarrow D^+ D^+ K^-$ decays. Physical Review D, 2016, 93, .	2.9	42

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184	Study of D_{s1}^* mesons decaying to $D^* K S^0$ and $D^* K +$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
185	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
186	Study of $\bar{\Lambda}(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
187	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^* K S^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
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203	Search for the rare decays $B \rightarrow \tau^+ \nu_\tau$ and $B_s \rightarrow \tau^+ \nu_\tau$. Physical Review D, 2015, 92, .	1.6	8
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220	First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow \bar{c} \ell \nu D_s^{\pm} K^{\pm}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	7
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222	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^- S^0 K^+ S^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
223	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^{\pm} \bar{c} \ell \nu$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
224	Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
225	Differential branching fraction and angular analysis of $B^0 \rightarrow \bar{c} \ell \nu D_s^{\pm} K^{\pm}$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
226	Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow J/\psi K^+ S^0$. Journal of High Energy Physics, 2015, .	1.6	12
227	Search for the decay $B_s^0 \rightarrow \bar{c} \ell \nu D_s^{\pm} K^{\pm}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
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237	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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239	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
240	Determination of $\hat{\beta}$ and charmless two-body decays of beauty mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 1-11.	1.5	13
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249	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
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272	Measurement of the resonant and non-resonant components in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2014, 112, 041802.	1.6	67
273	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2014, 112, 041803.	2.9	80
274	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2014, 112, 041804.	2.9	17
275	Measurements of indirect CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2014, 112, 041805.	1.6	99
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280	Precision Measurement of the Mass and Lifetime of the Λ_b^0 Baryon. Physical Review Letters, 2014, 113, 242002.	2.9	39
281	Violation of CP symmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2014, 90, .	1.6	18
282	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
283	Observation of $B^0 \rightarrow \pi^+ \pi^-$ Decays and Measurement of the $\phi_1(1285)$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
284	Measurement of the ratio of $B^0 \rightarrow \pi^+ \pi^-$ fractions to $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2014, 90, .	1.6	31
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286	Observation of charmonium pairs produced exclusively in $p\bar{p}$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
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288	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21

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290	First observations of the rare decays $B \rightarrow K^0 K^{\pm}$ and $B \rightarrow K^0 K^{\pm}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
291	Measurement of the $B_c(3P)$ mass and of the relative rate of $B_c(1P)$ and $B_c(2P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
292	Measurement of the CKM angle β_3 using $B \rightarrow DK$ with $D \rightarrow K^0 K^{\pm}$ and $D \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
293	Measurement of CP asymmetry in $B \rightarrow D^0 K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
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295	Measurement of the flavour-specific CP-violating asymmetry A_{CP}^{eff} in $B \rightarrow DK$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.5	34
296	Measurement of the forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	13
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298	Measurement of the B_c mass and of the relative rate of $B_c(1P)$ and $B_c(2P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.5	13
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300	Observation of the decay $B \rightarrow K^0 K^{\pm}$. Journal of High Energy Physics, 2014, 2014, 1.	1.5	40
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308	Angular analysis of charged and neutral $B \rightarrow K^{1/2} + \bar{1/2} \pi^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
309	Evidence for the decay $B \rightarrow \psi(3770) \rho^0$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
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311	Measurement of CP asymmetry in $D \rightarrow K^* K^0$ and $D \rightarrow \bar{K}^* \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
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313	Observation of the $B \rightarrow \rho^0 \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
314	Observation of the $B \rightarrow K^* K^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
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324	Measurement of the $D \rightarrow \rho^0 \pi^0$ decay. Physical Review Letters, 2014, 112, 222002.	2.9	325

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327	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
328	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{D}^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
329	Search for CP violation in $D \rightarrow \bar{D}^* \ell^+ \ell^-$ and $D_s^+ \rightarrow K_S^0 \pi^+ \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
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