

Carla Marin Benito

List of Publications by Year in descending order

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Version: 2024-02-01

173
papers

5,862
citations

109321

35
h-index

95266

68
g-index

183
all docs

183
docs citations

183
times ranked

6887
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of lepton universality with $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	425
2	Observation of the Doubly Charmed Baryon χ_{cc}^+ . Physical Review Letters, 2017, 119, 112001.	7.8	417
3	Angular analysis of the $B \rightarrow K^* \ell^+ \ell^-$ decay using 3 fb^{-1} of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	304
4	Measurement of the Ratio of the $R_{B^*}^{\ell} = \frac{\text{BR}(B \rightarrow K^* \ell^+ \ell^-)}{\text{BR}(B \rightarrow K^* \mu^+ \mu^-)}$ and $R_{D^*}^{\ell} = \frac{\text{BR}(D \rightarrow K^* \ell^+ \ell^-)}{\text{BR}(D \rightarrow K^* \mu^+ \mu^-)}$. Physical Review Letters, 2018, 120, 171802.	2.8	204
5			

#	ARTICLE	IF	CITATIONS
19	Measurement of forward W and Z boson production in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, .	4.7	59
20	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	3.9	54
21	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.	4.7	52
22	Measurement of the exclusive Υ production cross-section in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
23	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. European Physical Journal C, 2017, 77, 161.	3.9	51
24	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.	4.1	49
25	Systems and Precise Measurement of $B^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2016, 2016, 1.	7.8	48
26	Design and performance of the LHCb trigger and full real-time reconstruction in Run 2 of the LHC. Journal of Instrumentation, 2019, 14, P04013-P04013.	1.2	47
27	Study of prompt D^0 meson production in pPb collisions at $s_{NN} = 5 \sqrt{s} = 5 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
28	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	3.9	44
29	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	3.9	41
30	Study of the kinematic dependences of B^0 production in pp collisions and a measurement of the $B^0 \rightarrow K^+ K^-$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
31	Search for beautiful tetraquarks in the $\Upsilon(1S)$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	4.7	39
32	Measurement of the forward-backward asymmetry in $Z \rightarrow \mu^+ \mu^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
33	Production of associated Υ and open charm hadrons in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
34	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	4.1	37
35	Measurements of prompt charm production cross-sections in pp collisions at $s = 5 \sqrt{s} = 5 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, .	4.7	35
36	Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	35

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37	Angular moments of the decay $B^0 \rightarrow \bar{b} \rightarrow \bar{c} \rightarrow \bar{s} \rightarrow \bar{d} \rightarrow \bar{u}$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
38	Measurement of forward Z $\rightarrow e+e$ production at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
39	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	4.7	33
40	Search for the lepton flavour violating decay $\bar{b} \rightarrow \bar{c} \rightarrow \bar{s} \rightarrow \bar{d} \rightarrow \bar{u}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	32
41	Test of lepton universality with $\Lambda_b^0 \rightarrow p K^0 \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	31
42	Forward production of Υ mesons in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
43	Angular analysis of the $B^0 \rightarrow K^* \ell^+ \ell^-$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
44	Measurement of the CKM angle β from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
45	Measurement of the shape of the $B^0 \rightarrow \bar{c} \rightarrow \bar{s} \rightarrow \bar{d} \rightarrow \bar{u}$ differential decay rate. Physical Review D, 2017, 96, .	4.7	29
46	Near-threshold $\overline{D} D$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
47	Observation of the Decays $B^0 \rightarrow \bar{c} \rightarrow \bar{s} \rightarrow \bar{d} \rightarrow \bar{u}$ and $B^0 \rightarrow \bar{c} \rightarrow \bar{s} \rightarrow \bar{d} \rightarrow \bar{u}$. Physical Review Letters, 2017, 119, 062001.	7.8	28
48	Studies of the resonance structure in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	3.9	28
49	Prospects for measurements with strange hadrons at LHCb. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
50	Angular analysis of charged and neutral B $\rightarrow K^+ \pi^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
51	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	3.9	26
52	Early career researchers want Open Science. Genome Biology, 2017, 18, 221.	8.8	26
53	Measurement of the forward W boson cross-section in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
54	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24

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55	Observations of $\Lambda_b^0 \rightarrow \Lambda_c^+ K^-$ and $\Lambda_b^0 \rightarrow \Lambda_c^+ K^- K^+$ decays and searches for other Λ_b^0 and Λ_b^0 decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
56	Observation of a new baryon state in the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
57	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.	4.7	23
58	Measurement of the $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^+ \pi^-$ Baryon Lifetime. Physical Review Letters, 2018, 121, 092003.	7.8	23
59	Measurement of the CKM angle β_3 using $B_{\pm} \rightarrow D K_{\pm}$ with $D \rightarrow K^0 \pi^+ \pi^-$, $K^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
60	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.	4.7	21
61	Precise measurements of the properties of the $B(5721)_{0,+}$ and $B(5747)_{0,+}$ states and observation of $B_{\pm} \rightarrow \pi^{\pm} \pi^0$, mass structures. Journal of High Energy Physics, 2015, 2015, 1.	4.7	21
62	A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	3.9	21
63	Measurement of the properties of the Λ_b^0 baryon. Journal of High Energy Physics, 2016, 2016, .	4.7	21
64	Observation of $D^0 \rightarrow \pi^+ \pi^-$ Meson Decays to $\pi^+ \pi^-$ and $\pi^0 \pi^0$. Physical Review Letters, 2017, 119, 181805.	7.8	21
65	Search for the lepton-flavour violating decays $B^0 \rightarrow \tau^+ \tau^- \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
66	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
67	Search for CP violation in $D^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2015, 740, 158-167.	7.8	20
68	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.	7.8	20
69	Evidence for the decay $B_s^0 \rightarrow \pi^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
70	Updated measurement of time-dependent CP -violating observables in $B^0 \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	3.9	20
71	Resonances and CP violation in B_s^0 and $B_s^0 \rightarrow J/\psi K^+ K^-$ decays in the mass region above the $\psi(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
72	Measurement of forward $W^+ e^+ \nu_e$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18

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73	Γ_{c1} and Γ_{c2} Resonance Parameters with the Decays $\Gamma_{c1,c2} \rightarrow J/\psi \eta' + \eta$. Physical Review Letters, 2017, 119, 221801.	4.7	18
74	Search for the decay $B_s \rightarrow D^0 \gamma$ (980). Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
75	Observation of $B \rightarrow D^0 \pi^+ \pi^- (2S) p \bar{K}^0$ and $B \rightarrow D^0 \pi^+ \pi^- \eta$ decays and a measurement of the $B \rightarrow D^0$ baryon ratio. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
76	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.	4.1	17
77	Study of charmonium production in B -hadron decays and first evidence for the decay $B \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609.	3.9	17
78	Improved limit on the branching fraction of the rare decay $B \rightarrow \mu^+ \mu^- K_S^0 \eta'$. European Physical Journal C, 2017, 77, 678.	3.9	17
79	Search for the rare decay $B \rightarrow \mu^+ \mu^- K_S^0 \eta'$. Physical Review D, 2018, 97, 074011.	4.7	17
80	Measurement of the $\eta_c(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	17
81	Evidence for the decay $B_c \rightarrow \psi(3770) \eta'$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	16
82	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.	4.7	16
83	Study of η' production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
84	Measurement of CP violation parameters and polarisation fractions in $B \rightarrow D^0 \pi^+ \pi^- K^+ \bar{K}^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
85	Differential branching fraction and angular moments analysis of the decay $B \rightarrow D^0 K^+ \eta'$ in the $K^0(1430) \rightarrow \eta'$ region. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
86	Observation of the suppressed decay $B \rightarrow D^0 \pi^+ \pi^- \eta'$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
87	First Observation of the Rare Purely Baryonic Decay $B \rightarrow p \bar{p} \eta'$. Physical Review Letters, 2017, 119, 232001.	7.8	15
88	Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
89	Measurement of CP observables in $B \rightarrow D^0 K^+ \bar{K}^0$ and $B \rightarrow D^0 \eta' K^+ \bar{K}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	4.1	15
90	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^{\prime\pm}$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	3.9	15

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91	Measurement of CP asymmetry in $B \rightarrow D_s K_{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	14
92	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	14
93	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
94	A measurement of the CP asymmetry difference between $\hat{\Gamma}_{+}^{B \rightarrow K^+}$ and $\hat{\Gamma}_{+}^{B \rightarrow K^0}$ decays. Journal of High Energy Physics, 2018, 2018, .	4.7	14
95	Measurement of the CKM angle $\hat{\Gamma}_3$ using $B_{\pm} \rightarrow DK_{\pm}$ with $D \rightarrow K^0 \pi^{\pm}$, $D \rightarrow K^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
96	Amplitude Analysis of the Decay $B \rightarrow K^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B \rightarrow K^*(892) \pi^+$. Physical Review Letters, 2018, 120, 261801.	7.8	14
97	Prompt $\hat{\Gamma} + c$ production in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
98	Search for CP violation in $D \rightarrow K^0 K^{\pm}$ and $D \rightarrow K^{\pm} K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
99	Measurement of polarization amplitudes and CP asymmetries in $B \rightarrow K^*(892) \pi^0$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
100	Measurement of the time-integrated CP asymmetry in $D \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
101	Measurement of the ratio of branching fractions $\hat{\Gamma}_{+}^{B \rightarrow K^+} / \hat{\Gamma}_{+}^{B \rightarrow K^0}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
102	Study of $D \rightarrow K^0 K^{\pm}$ mesons decaying to $D \rightarrow K^0 K^{\pm}$ and $D \rightarrow K^+ K^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
103	Model-independent measurement of mixing parameters in $D \rightarrow K^0 \pi^{\pm}$ decays. Journal of High Energy Physics, 2016, 2016, .	4.7	13
104	First observation of the decay $D \rightarrow K^0 \pi^+ \pi^-$ in the π^0 region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	4.1	13
105	Measurement of $B \rightarrow B^+ \pi^-$ and $B \rightarrow B^0 \pi^+$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 133-156.	4.1	13
106	Measurement of CP asymmetry in $B \rightarrow D^+ K^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 4.7	4.7	13
107	Search for CP violation in $B \rightarrow D^+ K^{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	4.1	13
108	Measurement of $\hat{\Gamma}$ production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13

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109	Measurement of Angular and CP Asymmetries in $B \rightarrow C P$ Decays. http://www.w3.org/1998/Math/MathML C Asymmetries in $B \rightarrow D P$ Decays. http://www.w3.org/1998/Math/MathML D O $+$ i ϵ $/$ m m P L e t t e r s $.$ 2 0 1 8 1 $.$	7.8	13
110	Search for the lepton flavour violating decay $B \rightarrow K + \tau \nu_{\tau}$, using $B \rightarrow K \tau \nu_{\tau}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
111	Measurement of CP asymmetries and polarisation fractions in $B \rightarrow K \tau \nu_{\tau}$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
112	Observation of $B_c \rightarrow D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, .	4.7	12
113	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
114	Amplitude analysis of $B \rightarrow K S K^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
115	Measurement of the $B \rightarrow K \tau \nu_{\tau}$ branching fraction and search for the decay $B \rightarrow \tau \nu_{\tau}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
116	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	3.9	11
117	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	3.9	11
118	First measurement of the CP-violating phase $\phi_{s\overline{d}}$ in $B \rightarrow K^{\pm} (K^{\mp} \tau^{\pm} \nu_{\tau})$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
119	Search for CP violation using triple product asymmetries in $\bar{b} \rightarrow \bar{c} p K^{\pm} \tau^{\mp} \nu_{\tau}$, $\bar{b} \rightarrow \bar{c} p K^{\pm} K^{\mp} \tau^{\pm} \nu_{\tau}$ and $\bar{b} \rightarrow \bar{c} p K^{\pm} K^{\mp} \tau^{\pm} \nu_{\tau}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
120	First observation of $B \rightarrow D s + K \tau \nu_{\tau}$ decays and a search for $B \rightarrow D s + \tau \nu_{\tau}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
121	Amplitude analysis of the $B \rightarrow K \tau \nu_{\tau}$ decays and measurement of the branching fraction of the $B \rightarrow K \tau \nu_{\tau}$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
122	Measurements of CP asymmetries in charmless four-body $\Lambda_b \rightarrow \Lambda \pi \pi \pi$ and $\Lambda_b \rightarrow \Lambda \pi \pi \pi$ decays. European Physical Journal C, 2019, 79, 1.	3.9	11
123	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1.	3.9	11
124	A search for $\Lambda_b \rightarrow p K^{\pm} \tau^{\mp} \nu_{\tau}$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
125	Measurement of the $\Lambda_b \rightarrow \Lambda \pi \pi$ angular distribution and the $\Lambda_b \rightarrow \Lambda \pi \pi$ polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
126	Evidence for the two-body charmless baryonic decay $B \rightarrow p \Lambda \tau \nu_{\tau}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10

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127	Study of $\overline{\text{b}}\text{b}$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
128	Search for a dimuon resonance in the Υ mass region. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
129	Measurement of branching fractions of charmless four-body $\hat{\Gamma} b 0$ and $\hat{\Gamma} z b 0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
130	Dalitz plot analysis of the $D^+ \rightarrow \hat{K}^0 K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
131	First observations of the rare decays $B^+ \rightarrow \hat{K}^+ K^+ \bar{\nu} + \bar{\nu} \hat{\nu}^{1/4} + \hat{\nu}^{1/4} \hat{\nu}$ and $B^+ \rightarrow \hat{K}^+ \bar{\nu} K^+ + \hat{\nu}^{1/4} + \hat{\nu}^{1/4} \hat{\nu}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
132	Search for the $\hat{\Gamma} b 0 \rightarrow \hat{\nu} \hat{\nu} \hat{\nu} \hat{\nu}$ and $\hat{\Gamma} b 0 \rightarrow \hat{\nu} \hat{\nu} \hat{\nu} \hat{\nu}$ decays with the LHCb detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
133	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.	4.7	9
134	Model-independent measurement of the CKM angle $\hat{\Gamma}^3$ using $B^0 \rightarrow \hat{K}^+ D^+ K^0 \bar{\nu} + \bar{\nu} \hat{\nu}$ and $K^0 \rightarrow \hat{K}^+ K^+ \hat{\nu}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
135	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.	4.7	9
136	Measurement of the $Y(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
137	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	3.9	9
138	Observation of the $B^0 \rightarrow \hat{\nu} \hat{\nu} \hat{\nu} \hat{\nu}$ decay. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
139	Observation of the $B^0 \rightarrow \hat{\nu} \hat{\nu} \hat{\nu} \hat{\nu}$ decay. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
140	Observation of the decay $\hat{\Gamma} 0 b \hat{\nu} \hat{\nu} (2S) \hat{\nu} \hat{\nu}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
141	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \hat{\nu} D^+ \hat{\nu} K^{\pm}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7
142	Observation of $B^+ \rightarrow \hat{\nu} \hat{\nu} \hat{\nu} \hat{\nu}$ and $B^+ \rightarrow \hat{\nu} \hat{\nu} \hat{\nu} \hat{\nu}$. European Physical Journal C, 2017, 77, 72.	3.9	7
143	Measurement of CP observables in $B^{\pm} \rightarrow \hat{K}^* \hat{\nu}$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
144	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \hat{\nu} K^0 S$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7

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145	Study of the $B_0 \rightarrow \bar{c} \ell \ell$ decay with an amplitude analysis of $B_0 \rightarrow \bar{c} \ell \ell$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
146	Observation of the $\Lambda_b \rightarrow \Lambda_c \ell \ell$ (3872) $p \bar{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
147	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.	4.7	7
148	Determination of the branching fractions of $B \rightarrow S \ell \ell$ and $B \rightarrow K \ell \ell$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
149	Observation of $B_s \rightarrow D^0 K^0$ and Evidence for $B_s \rightarrow D^0 K^0$ Decays. Physical Review Letters, 2016, 116, 161802.	2.8	6
150	Updated branching fraction measurements of $B_0 \rightarrow \ell \ell$ decays. Journal of High Energy Physics, 2017, 2017, .	4.7	6
151	Measurement of $Z \rightarrow \ell \ell$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
152	Measurement of CP violation in the $B_s \rightarrow \phi \phi$ decay and search for the $B_0 \rightarrow \ell \ell$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
153	Prospects for New Physics searches with $\Lambda_b \rightarrow \Lambda \ell \ell$ decays. European Physical Journal Plus, 2021, 136, 1.	2.6	6
154	First observation of the decay $B \rightarrow K^* K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
155	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.	4.7	5
156	Measurement of CP observables in the process $B_0 \rightarrow D K^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
157	Observation of the $B \rightarrow D^* K^+ \ell^+$ decay. Physical Review D, 2017, 96, .	4.7	4
158	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.	4.7	4
159	Measurement of CP violation in $B_0 \rightarrow D^{\pm} \ell^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
160	Measurement of CP observables in $B^{\pm} \rightarrow D K^{\pm}$ and $B^{\pm} \rightarrow D \ell^{\pm}$ with $D \rightarrow K^{\pm} \pi^{\pm}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
161	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \mu^-$. Journal of High Energy Physics, 2020, 2020, .	4.7	4
162	Prospects for the search of at LHCb. Journal of Physics: Conference Series, 2017, 800, 012031.	0.4	3

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