

Carla Marin Benito

List of Publications by Year in descending order

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Version: 2024-02-01

173
papers

5,862
citations

125106

35
h-index

107981

68
g-index

183
all docs

183
docs citations

183
times ranked

6946
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid seeding: A standalone track reconstruction algorithm for scintillating fibre tracker at LHCb. Computer Physics Communications, 2021, 260, 107713.	3.0	1
2	Search for heavy neutral leptons in $W \rightarrow \mu^+ \mu^-$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	1.4	15
3	Prospects for New Physics searches with $\Lambda_b \rightarrow \Lambda (1520) \ell^+ \ell^-$ decays. European Physical Journal Plus, 2021, 136, 1.	1.2	6
4	First measurement of the CP-violating phase in $B_s \rightarrow J/\psi (\psi) T_{ETQ} / \Gamma_{BT} / \Gamma_{Tf} / \Gamma_{50}$	1.4	2
5	Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
6	Test of lepton universality with $\Lambda_b \rightarrow p \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
7	Measurement of the $\Lambda_b \rightarrow J/\psi$ angular distribution and the Λ_b polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
8	Towards an amplitude analysis of the decay $\Lambda_b \rightarrow p K^- \gamma$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
9	Measurement of CP observables in $B_{\pm} \rightarrow DK_{\pm}$ and $B_{\pm} \rightarrow D \pi^{\pm}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
10	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
11	Search for the lepton flavour violating decay $B \rightarrow K^{*} \tau^+ \tau^-$, using $B \rightarrow s \tau^+ \tau^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
12	Observation of a new baryon state in the $\Lambda_b \rightarrow \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
13	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
14	Observation of the semileptonic decay $B \rightarrow \rho^+ \mu^- \nu$. Journal of High Energy Physics, 2020, 2020, .	1.6	4
15	Measurement of CP violation in $B_0 \rightarrow D^+ D^{\mp}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
16	Study of the $B_0 \rightarrow K^{*0} K^0$ decay with an amplitude analysis of $B_0 \rightarrow (K^+ K^-) (K^+ K^-)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
17	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
18	Amplitude analysis of $B_0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12

#	ARTICLE	IF	CITATIONS
19	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
20	Near-threshold D^0 spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
21	LHCb Collaboration. Nuclear Physics A, 2019, 982, 1040-1050.	0.6	0
22	Amplitude analysis of the $B_{(s)}^0 \rightarrow K^0 \overline{K}^0$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^0 \overline{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
23	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.	0.5	47
24	Updated measurement of time-dependent CP-violating observables in $B^0_{(s)} \rightarrow J/\psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
25	Measurements of CP asymmetries in charmless four-body Λ_b^0 and Ξ^0 decays. European Physical Journal C, 2019, 79, 1.	1.4	11
26	Measurement of CP observables in the process $B^0 \rightarrow DK^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
27	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_{\mu}$. European Physical Journal C, 2019, 79, 1.	1.4	11
28	Selection and processing of calibration samples to measure the particle identification performance of the LHCb experiment in Run 2. EPJ Techniques and Instrumentation, 2019, 6, .	0.5	73
29	Observation of the $\Lambda_b^0 \rightarrow \chi_{c1} \rho^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
30	Prospects for measurements with strange hadrons at LHCb. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
31	Observation of the doubly Cabibbo-suppressed decay $\Lambda_b^0 \rightarrow \rho^+ \pi^-$. Journal of High Energy Physics, 2019, 2019, 1.		2
32	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
33	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
34	A search for $\Xi_{cc}^{++} \rightarrow D^+ p K^+ \pi^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
35	Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B^0 \rightarrow \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
36	Observation of Two Resonances in the $B^0 \rightarrow \rho^+ \rho^-$ decay. Systems and Precise Measurement of $B^0 \rightarrow \rho^+ \rho^-$. $\mathcal{B}(B^0 \rightarrow \rho^+ \rho^-) = 0.17 \pm 0.02$	2.9	48

#	ARTICLE	IF	CITATIONS
37	Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
38	Measurement of CP observables in $B_{\pm}^0 \rightarrow D(\bar{K}^0)K_{\pm}^0$ and $B_{\pm}^0 \rightarrow D(\bar{K}^0)\bar{K}_{\pm}^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.3	15
39	A measurement of the CP asymmetry difference between $\hat{B}^0 \rightarrow c\bar{c}e^+e^-K^+K^-$ and $\hat{B}^0 \rightarrow c\bar{c}\mu^+\mu^-K^+K^-$ decays. Journal of High Energy Physics, 2018, 2018, .	1.8	14
40	Measurement of CP asymmetry in $B^0 \rightarrow s\bar{c}e^+e^-D^0K_{\pm}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
41	Search for the lepton-flavour violating decays $B^0 \rightarrow s\bar{c}e^+e^-e^{\pm}e^{\mp}K^{\pm}K^{\mp}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
42	First measurement of the CP-violating phase $\phi_{s^{\pm}(\bar{d})}$ in $B^0 \rightarrow s\bar{c}e^+e^-(K^+K^0)(K^0K^+)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	11
43	Test of lepton flavor universality by the measurement of the $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ ratio. Measurement of the Ratio of the $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$. Physical Review Letters, 2018, 120, 173802.	1.6	189
44	Measurement of the Ratio of the $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$. Physical Review Letters, 2018, 120, 173802.	1.9	204
45	Measurement of the Ratio of the $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$ and $\frac{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}{\Gamma(B^0 \rightarrow \hat{B}^0 D^0)}$. Physical Review Letters, 2018, 120, 173802.	1.9	204

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55	Search for a dimuon resonance in the $\tilde{\chi}^0$ mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
56	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
57	Angular moments of the decay $\tilde{\chi}^0 \rightarrow b \bar{c} \ell^+ \ell^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
58	Measurement of $Z \rightarrow \tilde{\chi}_1^0, \tilde{\chi}_2^0$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
59	First Observation of the Doubly Charmed Baryon Decay Λ_{cc}^{\pm} $\tilde{\chi}^0 \rightarrow \tilde{\chi}^0 + c + c$	2.9	122
60	Measurement of the CKM angle β^3 using $B_{\pm} \rightarrow \tilde{\chi}^0 D K_{\pm}^*$ with $D \rightarrow K^0 S^0, K^0 K^0, K^0 K^+$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
61	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
62	Measurement of Angular and C, P Asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ $D^0 \rightarrow \pi^+ \pi^-$	2.9	13
63	Measurement of the Λ_{cc}^{\pm} Lifetime $\tilde{\chi}^0 \rightarrow \tilde{\chi}^0 + c + c$	2.9	23
64	Evidence for the decay $B_s^0 \rightarrow \overline{K}^{*0} \mu^+ \mu^-$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
65	Observation of the decay $\tilde{\chi}^0 \rightarrow b \bar{c} \ell^+ \ell^- (2S) \pi^{\pm}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
66	Measurement of the CP asymmetry in $B^0 \rightarrow D^+ D^0$ and $B^0 \rightarrow D^+ D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
67	Search for CP violation using triple product asymmetries in $\tilde{\chi}^0 \rightarrow b \bar{c} \ell^+ \ell^-$, $\tilde{\chi}^0 \rightarrow b \bar{c} \ell^+ \ell^- K^+ K^-$ and $\tilde{\chi}^0 \rightarrow b \bar{c} \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
68	Search for the rare decay $\tilde{\chi}^0 \rightarrow \tilde{\chi}^0 + c + c$ $\tilde{\chi}^0 \rightarrow \tilde{\chi}^0 + c + c$	1.6	17
69	First observation of $B^0 \rightarrow D^+ s + K^+ K^-$ decays and a search for $B^0 \rightarrow D^+ s + \tilde{\chi}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
70	Measurement of CP violation in $B^0 \rightarrow \tilde{\chi}^0 \tilde{\chi}^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
71	Amplitude Analysis of the Decay $B^0 \rightarrow K^* K^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^* K^0$ $B^0 \rightarrow K^* K^0$	2.9	14
72	Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{cc}^{\pm} $\tilde{\chi}^0 \rightarrow \tilde{\chi}^0 + c + c$	2.9	76

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91	Observation of the suppressed decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Journal of High Energy Physics, 2017, 2017, 1.		15
92	Test of lepton universality with $B^0 \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	425
93	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $B^0 \rightarrow \chi_{c1,2} \pi^0$. Physical Review Letters, 2017, 119, 221801.		18
94	Observation of $B^0 \rightarrow D^0 \pi^+ \pi^-$ Meson Decays to $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review Letters, 2017, 119, 181805.	2.9	21
95	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
96	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
97	Evidence for the two-body charmless baryonic decay $B^0 \rightarrow p \bar{\Lambda}^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
98	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \bar{\Lambda}^0$. Physical Review Letters, 2017, 119, 232001.	2.9	15
99	Resonances and CP violation in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays in the mass region above the $\rho(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
100	Study of $\overline{b}b$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
101	Measurement of CP observables in $B^0 \rightarrow D^+ K^-$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
102	Measurement of $B^0 \rightarrow B^+ \pi^-$ decays using two- and four-body D final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 139-158.	1.5	13
103	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
104	Updated branching fraction measurements of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
105	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
106	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
107	Prospects for the search of χ_{c1} at LHCb. Journal of Physics: Conference Series, 2017, 800, 012031.	0.3	3
108	Early career researchers want Open Science. Genome Biology, 2017, 18, 221.	3.8	26

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109	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \bar{c} \ell \nu$ and $B \rightarrow \bar{c} \ell \nu$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
110	A precise measurement of the B^0 meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
111	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
112	Observations of $\bar{b} \rightarrow \bar{c} \ell \nu$ and $\bar{b} \rightarrow \bar{c} \ell \nu$ decays and searches for other $\bar{b} \rightarrow \bar{c} \ell \nu$ decays to $\bar{c} \ell \nu$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
113	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
114	Observation of $\bar{b} \rightarrow \bar{c} \ell \nu$ and $\bar{b} \rightarrow \bar{c} \ell \nu$ decays and a measurement of the $\bar{b} \rightarrow \bar{c} \ell \nu$ baryon matrix element. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
115	Measurement of the properties of the Λ_c^+ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
116	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
117	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
118	Measurement of the ratio of branching fractions $\mathcal{B}(B_c \rightarrow \bar{c} \ell \nu) / \mathcal{B}(B_c \rightarrow \bar{c} \ell \nu)$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
119	Measurement of forward W production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
120	Measurement of the CKM angle $\hat{\beta}$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
121	Measurements of the S-wave fraction in $B^0 \rightarrow \bar{c} \ell \nu$ decays and the differential branching fraction. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
122	Model-independent measurement of the CKM angle $\hat{\beta}$ using $B^0 \rightarrow \bar{c} \ell \nu$ decays with D^0 and D^+ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
123	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	4
124	Searches for long lived heavy particles at LHCb. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2391-2393.	0.2	0
125	Observation of $B_s^0 \rightarrow D^0 K^0$ and Evidence for $B_s^0 \rightarrow D^0 K^0$ Decays. Physical Review Letters, 2016, 116, 161802.	2.9	6
126	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow \bar{c} \ell \nu$ in the $K_{0,2}^*$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15

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127	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
128	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
129	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.	1.6	14
130	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
131	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
132	First observation of the decay $B_s^0 \rightarrow K^+ K^- S^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
133	Observation of the $B_s^0 \rightarrow \bar{K}^0 \pi^+$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
134	First observation of the decay $D^0 \rightarrow K^+ K^- \pi^+$ 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.	1.5	13
135	Angular analysis of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay using 3 fb $^{-1}$ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	1.6	304
136	Measurement of CP asymmetries and polarisation fractions in $B_s^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
137	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
138	Search for the $\bar{b} \rightarrow b \gamma$ and $\bar{b} \rightarrow b \gamma$ decays with the LHCb detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
139	Measurement of the exclusive Υ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
140	Measurement of the $B_s^0 \rightarrow \bar{K}^0 \pi^+$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
141	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
142	Measurement of the forward-backward asymmetry in $Z \rightarrow \pi^+ \pi^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
143	First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow D^+ \pi^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	7
144	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^- S^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13

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145	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^* \bar{0}$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
146	Measurement of forward $Z \rightarrow e^+e^-$ production at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
147	Search for the decay $B_s^0 \rightarrow \bar{D}^* \bar{0}(980)$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
148	Measurement of forward J/ψ production cross-sections in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
149	Angular analysis and differential branching fraction of the decay $B_s^0 \rightarrow \bar{D}^* \bar{0}(980) + \bar{1}/4 \bar{0}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	191
150	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $s \sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
151	Angular analysis of the $B^0 \rightarrow K^* e^+e^-$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
152	Determination of the branching fractions of $B_s^0 \rightarrow D^* K^* \bar{0}$ and $B^0 \rightarrow D^* K^+$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
153	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	1.4	11
154	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
155	Search for CP violation in $B^0 \rightarrow D^* \bar{0} K^* \bar{0}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.		
156	Measurement of the $Z+b$ -jet cross-section in pp collisions at $s \sqrt{s} = 7 \text{ TeV}$ in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
157	Search for the lepton flavour violating decay $\bar{B}_s^0 \rightarrow \bar{D}^* \bar{0} \tau^+ \tau^-$. Journal of High Energy Physics, 2015, 2015, 1.		32
158	Precise measurements of the properties of the $B_1(5721)^{0,+}$ and $B_2^*(5747)^{0,+}$ states and observation of B_{c1} mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	21
159	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		

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163	Measurement of the \tilde{t} b (3P) mass and of the relative rate of \tilde{t} b1(1P) and \tilde{t} b2(1P) production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
164	Measurement of the CKM angle $\hat{\beta}$ using $B^{\pm} \hat{\rightarrow} DK^{\pm}$ with $D \hat{\rightarrow} K^0 \bar{K}^0 + \bar{K}^0 K^0$, $K^0 K^0 + K^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
165	Measurement of CP asymmetry in $B^0 \hat{\rightarrow} D^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
166	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.	1.6	24
167	Measurement of polarization amplitudes and CP asymmetries in $B^0 \hat{\rightarrow} K^*(892)0$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
168	Angular analysis of charged and neutral $B^{\pm} \hat{\rightarrow} K^{\pm} + \bar{K}^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
169	Evidence for the decay $\mathcal{B}(\mathcal{B}_{\text{c}}^+ \rightarrow \mathcal{J}/\psi \text{ left} / \text{right})$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
170	Measurement of CP asymmetry in $D^0 \hat{\rightarrow} K^+ K^-$ and $D^0 \hat{\rightarrow} \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
171	Observation of the $B^0 \hat{\rightarrow} K^0 K^{\pm} \bar{K}^{\mp}$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
172	Study of the kinematic dependences of \hat{b}^0 production in pp collisions and a measurement of the $\hat{b}^0 \hat{\rightarrow} c \bar{c} + \bar{c} c$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
173	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24