

# Maurizio Martinelli

## List of Publications by Year in descending order

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Version: 2024-02-01

303  
papers

12,268  
citations

41258

49  
h-index

34900

98  
g-index

315  
all docs

315  
docs citations

315  
times ranked

8076  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
2	Precision measurement of the $B_c^+$ meson mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
3	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2020, 101, 1.	1.6	8
4	Iso-spin Amplitudes in $B_c^+ \rightarrow B^0 \pi^+$ Decays		

#	ARTICLE	IF	CITATIONS
19	Observation of Several Sources of $C \rightarrow P$ Violation in $B \rightarrow B^+ \bar{K}^0$ Decays. Physical Review Letters, 2020, 124, 031801.	2.9	32
20	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ and $13$ TeV. European Physical Journal C, 2020, 80, .	1.4	8
21	Measurement of $B \rightarrow B^+ \bar{K}^0$ decays. Physical Review Letters, 2020, 124, 031801.	1.6	28
22	Search for $B \rightarrow B^+ \bar{K}^0 \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 124, 041801.	1.6	148
23	Search for the lepton flavour violating decay $B \rightarrow K^+ \ell^+ \ell^-$ , using $B \rightarrow B^+ \bar{K}^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
24	Observation of a new baryon state in the $\Lambda_b^0$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
25	Strong constraints on the $b \rightarrow s^* \gamma$ photon polarisation from $B \rightarrow K^0 e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
26	Measurement of the relative branching fractions of $B \rightarrow B^+ \bar{K}^0$ decays. Physical Review D, 2020, 102, .	1.6	6
27	Measurement of the $\eta_c(1S)$ production cross-section in $p \bar{p}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
28	Measurement of branching fraction ratios for $B \rightarrow D^* \bar{K}^0$ , $B \rightarrow D^* \bar{K}^0$ , and $B \rightarrow D^* \bar{K}^0$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
29	Measurement of the shape of the $B \rightarrow D^* \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
30	First observation of the decay $B \rightarrow B^+ \bar{K}^0 \ell^+ \ell^-$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	0
31	Observation of the semileptonic decay $B \rightarrow B^+ \bar{K}^0 \ell^+ \ell^-$ . Journal of High Energy Physics, 2020, 2020, .	1.6	4
32	Measurement of CP violation in $B \rightarrow D^* \bar{K}^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
33	Measurement of the branching fractions of the decays $D \rightarrow K^+ K^0$ , $D \rightarrow K^+ \bar{K}^0$ and $D \rightarrow K^+ K^+ K^-$ . Journal of High Energy Physics, 2019, 2019, .	1.6	6
34	Study of the $B \rightarrow K^* \bar{K}^0$ decay with an amplitude analysis of $B \rightarrow (K^+ \bar{K}^0) (K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
35	Measurement of the ratio of branching fractions of the decays $B \rightarrow B^+ \bar{K}^0 \ell^+ \ell^-$ and $B \rightarrow B^+ \bar{K}^0 \ell^+ \ell^-$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
36	Dalitz plot analysis of the $D \rightarrow K^+ K^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10

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37	Measurement of the $\langle \mathcal{B}^0 \rightarrow \pi^+ \pi^- \rangle$ branching fraction and $\mathcal{CP}$ asymmetry in $\mathcal{B}^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
38	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
39	First Observation of the Radiative Decay $B^0 \rightarrow \pi^+ \pi^- \gamma$ . Physical Review Letters, 2019, 123, 031801.	2.9	19
40	Measurement of the branching fraction and $\mathcal{CP}$ asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
41	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802.	2.9	55
42	Near-threshold $D^0$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
43	LHCb Collaboration. Nuclear Physics A, 2019, 982, 1040-1050.	0.6	0
44	Amplitude analysis of the $B^0 \rightarrow \pi^+ \pi^-$ decays and measurement of the branching fraction of the $B^0 \rightarrow \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
45	Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2019, 123, 152001.	2.9	19
46	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
47	Updated measurement of time-dependent $\mathcal{CP}$ -violating observables in $B^0 \rightarrow \pi^+ \pi^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
48	Measurements of $\mathcal{CP}$ asymmetries in charmless four-body $\Lambda^0 \rightarrow p \pi^- \pi^+ \pi^-$ and $\Lambda^0 \rightarrow p \pi^- \pi^+ \pi^0$ decays. European Physical Journal C, 2019, 79, 1.	1.4	11
49	Measurement of $B^0 \rightarrow \pi^+ \pi^-$ hadron fractions in $13.6 \text{ TeV}$ collisions. Physical Review D, 2019, 100, 072001.	1.6	51
50	Measurement of the relative $B^0 \rightarrow \pi^+ \pi^-$ branching fractions using $B^0$ mesons from $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2019, 99, .	1.6	3
51	Measurement of $\mathcal{CP}$ observables in the process $B^0 \rightarrow \pi^+ \pi^-$ with two- and four-body $D$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
52	Search for the rare decay $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ . European Physical Journal C, 2019, 79, 1.	1.4	11
53	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction from $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, 2019, 810, 257-260.	1.5	6
54	Observation of the $\Lambda^0 \rightarrow p \pi^- \pi^+ \pi^-$ ( $3872$ ) $\text{pK}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7

#	ARTICLE	IF	CITATIONS
55	Measurement of the Charm-Mixing Parameter $\gamma_{CP}$ . Physical Review Letters, 2019, 122, 011802.	2.9	15
56	Search for CP Violation in $D_s + \hat{t}^* K S_0^0$ , $D + \hat{t}^* K S_0^0$ , and $D + \hat{t}^* \bar{K}^0$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
57	Measurement of $\hat{t}^* K S_0^0$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
58	Measurement of $\hat{t}^* K S_0^0$ Decays. Physical Review Letters, 2019, 122, 191803.	1.6	17
59	Observation of a Narrow Pentaquark State. Physical Review Letters, 2019, 122, 232001.	2.9	157
60	Observation of an Excited Pentaquark State. Physical Review Letters, 2019, 122, 232001.	2.9	157
61	Search for Lepton-Universality Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191801.	2.9	355
62	Observation of the doubly Cabibbo-suppressed decay $\hat{t}^* K^0 \rightarrow \bar{K}^0 \pi^+$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
63	Model-Independent Observation of Exotic Contributions to $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
64	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \bar{K}^0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
65	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	2.9	48
66	Measurement of the mass and production rate of $\hat{t}^* K^0$ decays. Physical Review D, 2019, 99, .	1.6	18
67	Prompt $\hat{t}^* c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
68	Novel method for measuring charm-mixing parameters using multibody decays. Physical Review D, 2019, 99, .	1.6	15
69	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	0.5	7
70	A search for $\chi_{cc}^{++}$ $D + p K^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
71	Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B^0 \rightarrow \bar{K}^0 \pi^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6

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73	Measurement of the meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2018, 100, 012001. $B \rightarrow c \bar{c} \ell \ell$	1.6	12
74	Search for Lepton-Flavor Violating Decays $B \rightarrow \tau \ell \ell$ and $B \rightarrow \tau \ell \ell$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
75	Search for Lepton-Flavor Violating Decays $B \rightarrow \tau \ell \ell$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
76	Measurement of $B \rightarrow P \ell \ell$ -Violating and Mixing-Induced Observables in $B \rightarrow \ell \ell$ Decays. Amplitude Analysis of $B \rightarrow \ell \ell$ . Physical Review Letters, 2019, 123, 241802.	2.9	10
77	Amplitude Analysis of $B \rightarrow \ell \ell$ . Physical Review Letters, 2019, 123, 241802.	2.9	38
78	Measurement of Charged Hadron Production in $Z \rightarrow b \bar{b}$ -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2018, 121, 061801.	2.9	10
79	Measurement of $B \rightarrow \ell \ell$ Systems and Precise Measurement of $B \rightarrow \ell \ell$ . Physical Review Letters, 2018, 121, 061801.	2.9	48
80	Search for excited $B_c$ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
81	Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
82	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
83	Measurement of CP observables in $B \rightarrow \tau^+ D(\bar{a}) K_{\pm}$ and $B \rightarrow \tau^+ D(\bar{a}) \bar{K}_{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.5	15
84	A measurement of the CP asymmetry difference between $\hat{\Gamma}^+_{\text{CP}}(B \rightarrow \tau^+ a \ell \ell) - \hat{\Gamma}^+_{\text{CP}}(B \rightarrow \tau^+ \bar{a} \ell \ell)$ and $\hat{\Gamma}^+_{\text{CP}}(B \rightarrow \tau^+ K^+ \ell \ell) - \hat{\Gamma}^+_{\text{CP}}(B \rightarrow \tau^+ \bar{K}^+ \ell \ell)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
85	Measurement of CP asymmetry in $B \rightarrow \tau^+ D^+ s K_{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
86	Search for the lepton-flavour violating decays $B \rightarrow \tau^+ \ell \ell$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
87	First measurement of the CP-violating phase $\phi_{\text{sd}}$ in $B \rightarrow \tau^+ (K^+ \ell \ell) (K^+ \bar{\ell} \ell)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
88	Test of lepton flavor universality by the measurement of the $B \rightarrow D \ell \ell$ decays. Physical Review Letters, 2018, 121, 061801.	1.6	189
89	Measurement of the Ratio of Branching Fractions $R_{\tau \ell}$ and $R_{\tau \ell}$ . Physical Review Letters, 2018, 121, 061801.	2.9	204
90	Measurement of the Ratio of Branching Fractions $R_{\tau \ell}$ and $R_{\tau \ell}$ . Physical Review Letters, 2018, 121, 061801.	2.9	204

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91	Central exclusive production of $J/\psi$ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, .	1.6	30
92	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \pi^+ \pi^- K^0_S$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
93	Study of $\psi$ production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
94	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1. Search for CP violation in <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	1.6	39
95	and $\psi(1S)$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 787, 124-133. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	1.5	13
96	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	1.4	9
97	Evidence for an $\eta_c(1S)$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$		

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109	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , 2018, 121, 092003.	2.9	122
110	Measurement of the CKM angle $\hat{\beta}$ using $B_{d,s}^{\pm} \rightarrow DK_{s1}^{\pm}$ with $D \rightarrow K^* \pi$ , $K^* \rightarrow K \pi$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	14
111	Measurement of $D_{s1}^{\pm}$ s production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
112	Measurement of Angular and Azimuthal Asymmetries in $B \rightarrow D^* \pi$ Decays. <i>Physical Review D</i> , 2018, 97, 074005.	2.9	13
113	Measurement of the $\Xi_{cc}^{++}$ Lifetime. <i>Physical Review Letters</i> , 2018, 121, 092003.	2.9	23
114	Evidence for the decay $B_c^+ \rightarrow \bar{K}^0 \mu^+ \nu_{\mu}$ . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
115	Measurement of CP asymmetries in two-body $B(s) \rightarrow$ meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018, 98, .	1.6	20
116	Observation of the decay $\bar{B} \rightarrow D^* \pi^0$ . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	8
117	Measurement of the CP asymmetry in $B^{\pm} \rightarrow D^* \pi^0$ and $B^{\pm} \rightarrow D^* \pi^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	2
118	Search for CP violation using triple product asymmetries in $\bar{B} \rightarrow D^* \pi^0$ , $\bar{B} \rightarrow D^* \pi^{\pm}$ and $\bar{B} \rightarrow D^* \pi^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	11
119	Search for the rare decay $B^{\pm} \rightarrow D^* \pi^0$ . <i>Physical Review D</i> , 2018, 97, .	1.6	17
120	Search for weakly decaying $b$ -flavored pentaquarks. <i>Physical Review D</i> , 2018, 97, .	1.6	7
121	First observation of $B^+ \rightarrow D^* \pi^+ K^0$ and a search for $B^+ \rightarrow D^* \pi^+ K^+$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	11
122	Measurements of the branching fractions of $\bar{B} \rightarrow D^* \pi^0$ , $\bar{B} \rightarrow D^* \pi^{\pm}$ , and $\bar{B} \rightarrow D^* \pi^{\pm} K^+$ . <i>Journal of High Energy Physics</i> , 2018, 2018, .	1.6	10
123	Measurement of CP violation in $B \rightarrow D^* \pi^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
124	Amplitude Analysis of the Decay $B^0 \rightarrow K^* \pi^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^* \pi^0$ . <i>Physical Review Letters</i> , 2018, 120, 261801.	2.9	14
125	Search for $B_{c^+}$ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018, 930, 563-582.	0.9	8
126	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , 2018, 121, 052002.	2.9	76





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145	Observation of the Decay $\tilde{\chi}_1^0 \rightarrow \tilde{\chi}_1^{\pm} p \bar{K}^{\pm}$ . Physical Review Letters, 2017, 118, 071801.	2.9	9
146	Search for long-lived scalar particles in $B \rightarrow K \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111803.	1.6	79
147	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
148	Prompt and nonprompt $J/\psi$ 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
149	Study of charmonium production in $B \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review D, 2017, 95, .	1.6	12
150	Study of charmonium production in $B \rightarrow D^* \mu^+ \mu^-$ decays and first evidence for the decay $B \rightarrow D^* \mu^+ \mu^-$ . European Physical Journal C, 2017, 77, 609.	1.4	17
151	Improved limit on the branching fraction of the rare decay $B \rightarrow D^* \mu^+ \mu^-$ . European Physical Journal C, 2017, 77, 678.	1.4	17
152	Observation of $B_c \rightarrow D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, .	1.6	12
153	Violation of $C$ and $P$ violation using $D \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review D, 2017, 95, .	1.6	11
154	Measurement of the $B_{\pm}^0$ production asymmetry and the CP asymmetry in $B_{\pm}^0 \rightarrow D^* K_{\pm}^0$ decays. Physical Review D, 2017, 95, .	1.6	6
155	Search for the $B \rightarrow D^* \mu^+ \mu^-$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
156	Observation of the decay $\tilde{\chi}_1^0 \rightarrow b \bar{c} + \tilde{\chi}_1^{\pm} p \bar{K}^{\pm}$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
157	Measurement of $B \rightarrow D^* \mu^+ \mu^-$ and $D \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	15
158	Observation of the Doubly-Charmed Baryon $\Xi_{cc}^{++}$ . Physical Review Letters, 2017, 119, 112001.	2.9	417
159	Measurement of the CP Violation Parameter $A_{FB}^{\ell}$ in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \ell^+ \ell^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
160	Observation of $B \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	15
161	States Decaying to $B \rightarrow D^* \mu^+ \mu^-$ . Physical Review Letters, 2017, 119, 112001.	2.9	234
162	Measurement of CP asymmetries in $D_{\pm}^0 \rightarrow \mu^+ \mu^-$ and $D_s^{\pm} \rightarrow \mu^+ \mu^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	8

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163	Observation of the $B \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	18
164	Observation of the $B \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
165	Branching Fraction and Effective Lifetime and Search for $B \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 118, 118.	2.9	220
166	Study of $B \rightarrow D^* K^0$ decay. Physical Review Letters, 2017, 118, 192001.	2.9	39
167	Observation of the Decays $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 119, 062001.	2.9	28
168	Observation of the $B \rightarrow D^* K^0$ decay. Physical Review D, 2017, 96, .	1.6	4
169	Search for the Decays $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 118, 251802.	2.9	81
170	Measurement of the shape of the $B \rightarrow D^* K^0$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
171	Observation of the suppressed decay $B \rightarrow D^* K^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
172	Test of lepton universality with $B \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	425
173	$B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ Resonance Parameters with the Decays $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 119, 221801.	2.9	18
174	Observation of $B \rightarrow D^* K^0$ Meson Decays to $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 119, 181805.	2.9	21
175	LHCb Collaboration. Nuclear Physics A, 2017, 967, 987-993.	0.6	1
176	Search for Baryon-Number Violating $B \rightarrow D^* K^0$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
177	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
178	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
179	Measurements of prompt charm production cross-sections in pp collisions at $s = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35
180	Search for CP violation in the phase space of $B \rightarrow D^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	1.5	10

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181	Evidence for the two-body charmless baryonic decay $B + \hat{\pi}^+ p \hat{\Lambda}^-$ . $\overline{B} \rightarrow \psi(1020) \Lambda^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
182	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \hat{\pi}^+ p \hat{\Lambda}^-$ . Physical Review Letters, 2017, 119, 232001.	2.9	15
183	Resonances and CP violation in $B \rightarrow \psi(1020) \Lambda^0$ and $B \rightarrow \psi(1020) \Sigma^0$ decays in the mass region above the $\Lambda(1020)$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
184	Study of $\overline{B} \rightarrow \psi(1020) \Lambda^0$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
185	Measurement of CP observables in $B \rightarrow \psi(1020) \Lambda^0$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
186	Measurement of $B \rightarrow \psi(1020) \Lambda^0$ and $B \rightarrow \psi(1020) \Sigma^0$ decays in the mass region above the $\Lambda(1020)$ . Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 139-158.	1.5	13
187	Measurement of CP violation in $B \rightarrow \psi(1020) \Lambda^0$ and $B \rightarrow \psi(1020) \Sigma^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	9
188	First Observation of a Baryonic $B \rightarrow \psi(1020) \Lambda^0$ Decay. Physical Review Letters, 2017, 119, 041802.	1.6	11
189	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
190	Updated branching fraction measurements of $B \rightarrow \psi(1020) \Lambda^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
191	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
192	Observation of the decay $B \rightarrow \psi(1020) \Lambda^0$ and evidence for $B \rightarrow \psi(1020) \Sigma^0$ . Journal of High Energy Physics, 2017, 2017, .	1.6	6
193	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
194	Measurement of the $B \rightarrow \psi(1020) \Lambda^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
195	Measurement of the $\Lambda(1020)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
196	Novel Real-time Alignment and Calibration of the LHCb detector in Run2. Journal of Physics: Conference Series, 2017, 898, 032039.	0.3	2
197	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \psi(1020) \Lambda^0$ and $B \rightarrow \psi(1020) \Sigma^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
198	Estimating $\sin 2\beta$ as an input to the determination of the CKM angle $\beta$ . Physical Review D, 2016, 94, .	1.6	5

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199	A precise measurement of the $B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
200	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
201	Observations of $\bar{b} \rightarrow \bar{c} + K^0$ and $\bar{b} \rightarrow \bar{c} + K^0 + K^0$ decays and searches for other $\bar{b} \rightarrow \bar{c}$ and $\bar{b} \rightarrow \bar{s}$ decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
202	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
203	Observation of $\bar{b} \rightarrow \bar{c} + \bar{K}^0(2S) + K^0$ and $\bar{b} \rightarrow \bar{c} + \bar{K}^0 + K^0$ decays and a measurement of the $\bar{b} \rightarrow \bar{c}$ baryon. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
204	Measurement of the properties of the $\Lambda_b^0$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
205	Production of associated $\Upsilon$ 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
206	Measurement of the CKM angle $\hat{\beta}$ using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 \pi^0 + \pi^0 \pi^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
207	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
208	Measurement of the ratio of branching fractions $\hat{a}_{\bar{b} \rightarrow \bar{c} + \hat{K}^0} / \hat{a}_{\bar{b} \rightarrow \bar{c} + \hat{K}^0}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
209	Measurement of forward $W^+ \ell^{1/2}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
210	Measurement of the CKM angle $\hat{\beta}$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
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212	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
213	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
214	Amplitude analysis of $B^0 \rightarrow \bar{c} + K^0$ decays. Physical Review D, 2016, 94, .	1.6	7
215	Study of $B_c^+$ decays to the $K^0 + K^0 \pi^0$ final state and evidence for the decay $B_c^+ \rightarrow \bar{c} + \pi^0$ . Physical Review D, 2016, 94, .	1.6	20
216	Measurement of $C \rightarrow P$ violation in $B^0 \rightarrow D^0 + \pi^0$ decays. Physical Review Letters, 2016, 117, 261801.	2.9	12

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218	Search for the lepton-flavour violating decay $D_0 \rightarrow \tau^+ \mu^- \nu_\tau$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
219	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B_0 \rightarrow D_s^* \ell^+ \ell^-$ decays with $D_s^* \rightarrow \ell^+ \ell^- S^0$ and $D_s^* \rightarrow \ell^+ \ell^- K^0$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
220	First study of the CP-violating phase and decay-width difference in $B \rightarrow D_s^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	1.5	17
221	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	19
222	Search for $B_c^+$ decays to the $p\bar{p} + \ell^+ \ell^-$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	1.5	12
223	Observation of the $B \rightarrow D_s^* \ell^+ \ell^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
224	Measurement of CP observables in $B \rightarrow D_s^* \ell^+ \ell^-$ and $B \rightarrow D_s^* \ell^+ \ell^-$ 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
225	Measurement of the CKM angle $\hat{\beta}^3$ using $B \rightarrow D_s^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	2.9	22
226	Model-independent evidence for $B \rightarrow D_s^* \ell^+ \ell^-$ mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	2.9	102
227	Contributions to $B \rightarrow D_s^* \ell^+ \ell^-$ mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	2.9	110
228	Studies of the resonance structure in $B \rightarrow D_s^* \ell^+ \ell^-$ . Physical Review D, 2016, 93, .	1.6	20
229	Measurement of the mass and lifetime of the $B_c^+$ baryon. Physical Review D, 2016, 93, .	1.6	13
230	First observation of the $B_c^+$ baryon. Physical Review D, 2016, 93, .	2.9	27
231	First observation of the rare $B \rightarrow D_s^* \ell^+ \ell^-$ decay. Physical Review D, 2016, 93, .	1.6	5
232	Measurement of the $B_s \rightarrow D_s^* \ell^+ \ell^-$ and $D_s^* \rightarrow \ell^+ \ell^-$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
233	Constraints on the unitarity triangle angle $\hat{\beta}^3$ from Dalitz plot analysis of $B \rightarrow D_s^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	1.6	13
234	Measurement of the Difference of Time-Integrated $B \rightarrow D_s^* \ell^+ \ell^-$ Asymmetries in $B \rightarrow D_s^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	2.9	42

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236	Search for Structure in the $B \rightarrow K^* \ell^+ \ell^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	1.6	7
237	Differential branching fraction and angular moments analysis of the decay $B \rightarrow K^* K^0 \ell^+ \ell^-$ in the $K^0(1430)$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
238	Study of $D_{s1}^* \rightarrow D^* K^0$ mesons decaying to $D^* K^0$ and $D^* K^+$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
239	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
240	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
241	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^* K^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
242	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
243	First observation of the decay $B \rightarrow K^* K^0 K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
244	Observation of the $B \rightarrow K^* \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
245	First observation of the decay $D^0 \rightarrow K^* K^0 \ell^+ \ell^-$ in the $\Upsilon(4S)$ region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	1.5	13
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250	Study of $B \rightarrow K^* K^0 \ell^+ \ell^-$ decay using 3 fb <sup>-1</sup> of integrated luminosity. Physical Review D, 2015, 92, .	1.6	6
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252	Evidence for the Strangeness-Changing Weak Decay $B \rightarrow K^* K^0 \ell^+ \ell^-$ . Physical Review Letters, 2015, 115, 112001.	2.9	25

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254	First observation and amplitude analysis of the $B \rightarrow \bar{c} D K$ decays. Physical Review D, 2015, 91, .	1.6	50
255	Amplitude analysis of the $B \rightarrow \bar{c} D K$ decays. Physical Review D, 2015, 91, .	1.6	69
256	Amplitude analysis of the $B \rightarrow \bar{c} D K$ decays. Physical Review D, 2015, 91, .	1.6	30
257	Amplitude analysis of the $B \rightarrow \bar{c} D K$ decays. Physical Review D, 2015, 92, .	1.6	80
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261	Model-independent confirmation of the $Z \rightarrow C P$ violation in $B \rightarrow \tau^+ \nu_\tau \bar{\nu}_\tau$ decays. Physical Review Letters, 2015, 115, 031601.	2.9	417
262	Measurement of $C \rightarrow P$ violation in $B \rightarrow \tau^+ \nu_\tau \bar{\nu}_\tau$ decays. Physical Review Letters, 2015, 115, 031601.	2.9	30
263	Observation of the $B_s \rightarrow \tau^+ \nu_\tau \bar{\nu}_\tau$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
264	Observation of $J/\psi$ resonances consistent with pentaquark states in $B \rightarrow \tau^+ \nu_\tau \bar{\nu}_\tau$ decays. Physical Review Letters, 2015, 115, 051801.	2.9	816
265	Consistent with Pentaquark States in $B \rightarrow \tau^+ \nu_\tau \bar{\nu}_\tau$ Decays. Physical Review Letters, 2015, 115, 051801.		



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272	Measurement of the $B_s^0 \rightarrow \bar{c} \ell \nu$ branching fraction and search for the decay $B^0 \rightarrow \bar{c} \ell \nu$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
273	Forward production of $\Upsilon$ mesons in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
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275	First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow \bar{c} D^+ K^-$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	7
276	First measurement of the differential branching fraction and CP asymmetry of the $B_{\pm} \rightarrow \bar{c} \ell \nu + \ell \bar{c}$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
277	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
278	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^+ K^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
279	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
280	Differential branching fraction and angular analysis of $B^0 \rightarrow \bar{c} \ell \nu + \ell \bar{c}$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
281	Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow J/\psi K^+ K^-$ . Journal of High Energy Physics, 2015, 2015, .	1.6	12
282	Search for the decay $B_s^0 \rightarrow \bar{D}^0(980)$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
283	Measurement of forward $J/\psi$ 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
284	Observation of the decay $B^0 \rightarrow \bar{c} \ell \nu(2S) K^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	1.5	13
285	Angular analysis and differential branching fraction of the decay $B_s^0 \rightarrow \bar{c} \ell \nu + \ell \bar{c}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	191
286	Angular analysis of the $B^0 \rightarrow \bar{c} K^0 e^+ e^-$ decay in the low- $q^2$ region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
287	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
288	Observation of the $B^0 \rightarrow \bar{c} \ell \nu$ decay from an amplitude analysis of $B^0 \rightarrow \bar{c} \ell \nu(\ell^+ \ell^-)$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14

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290	Study of $C \times P$ Asymmetry in $B \rightarrow D^0$ decays. Physical Review Letters, 2015, 114, 081801.	2.9	15
291	Search for Long-Lived Particles in $B \rightarrow D^0$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
292	Dalitz plot analyses of $B \rightarrow D^0 \pi^+ \pi^-$ decays. Physical Review D, 2015, 91, .	1.6	21
293	Precise measurements of the properties of the $B(5721)0,+$ and $B(5747)0,+$ states and observation of $B_c$ mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
294	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, .	0.5	42
295	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.1	0
296	Latest LHCb results. EPJ Web of Conferences, 2014, 80, 00004.	1.6	2
297	Search for new $\Omega$ -like particles produced in association with $a_1$ ,-lepton pair. Physical Review D, 2014, 90, .		
298	Bottomonium spectroscopy and radiative transitions involving the $b\bar{c}$ state. Physical Review D, 2014, 90, .		