

# Marco Gersabeck

## List of Publications by Year in descending order

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Version: 2024-02-01

370  
papers

14,897  
citations

26567

56  
h-index

29081

104  
g-index

385  
all docs

385  
docs citations

385  
times ranked

8012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of Lepton Universality Using $B \rightarrow K^* \mu^+ \mu^-$ Observation of $B \rightarrow K^* \mu^+ \mu^-$	2.9	845
2	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$	2.9	816
3			



#	ARTICLE	IF	CITATIONS
19	<p>Search for Exotic Hadron Contributions to <math>B_c \rightarrow B^0 \pi^+ \pi^-</math> Decays. Physical Review Letters, 2016, 117, 082003.</p> <p>Search for Majorana Neutrinos in <math>B^0 \rightarrow \pi^+ \pi^- \pi^0</math> Decays. Physical Review Letters, 2014, 112, 131802.</p>	2.9	110
20	<p>Search for Majorana Neutrinos in <math>B^0 \rightarrow \pi^+ \pi^- \pi^0</math> Decays. Physical Review Letters, 2014, 112, 131802.</p>	2.9	106
21	<p>First Observation of <math>C \rightarrow P</math> Violation in the Decays of <math>B_c \rightarrow B^0 s</math>. Physical Review Letters, 2013, 110, 221601.</p>	2.9	105
22	<p>Differential branching fraction and angular analysis of the decay <math>B_c \rightarrow \pi^+ \pi^- \pi^0</math>. Journal of High Energy Physics, 2013, 2013, 1.</p>	1.6	103
23	<p>Contributions to <math>B_c \rightarrow B^0 s</math> Measurement of <math>C \rightarrow P</math> Violation in the Phase Space of <math>B_c \rightarrow B^0 s</math>. Physical Review Letters, 2013, 111, 101801.</p>	2.9	102
24	<p>Measurements of prompt charm production cross-sections in pp collisions at <math>\sqrt{s} = 13</math> TeV. Journal of High Energy Physics, 2016, 2016, 1.</p>	2.9	101
25	<p>Dalitz plot analysis of <math>D \rightarrow \pi^+ \pi^- \pi^0</math>. Physical Review D, 2014, 90, .</p>	1.6	100
26	<p>Measurement of the fragmentation fraction ratio <math>f_s/f_d</math> and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.</p>	1.6	99
27	<p>Study of D J meson decays to <math>D \rightarrow \pi^+ \pi^-</math>, <math>D \rightarrow \pi^+ \pi^0</math> and <math>D \rightarrow \pi^+ \pi^- \pi^0</math> final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.</p>	1.6	89
28	<p>Differential branching fraction and angular analysis of <math>B^0 \rightarrow \pi^+ \pi^- \pi^0</math> decays. Journal of High Energy Physics, 2015, 2015, .</p>	1.6	82
29	<p>Observation of Overlapping Spin-1 and Spin-3 <math>B_c \rightarrow B^0 s</math> Dalitz plot analysis of <math>D \rightarrow \pi^+ \pi^- \pi^0</math>. Physical Review Letters, 2014, 113, 162001.</p>	2.9	80
30	<p>Measurement of <math>B_c \rightarrow B^0 s</math> Violation in the Phase Space of <math>B_c \rightarrow B^0 s</math>. Physical Review Letters, 2014, 113, 162001.</p>	1.6	80
31	<p>Measurement of <math>B_c \rightarrow B^0 s</math> Violation in the Phase Space of <math>B_c \rightarrow B^0 s</math>. Physical Review Letters, 2014, 113, 162001.</p>	2.9	78
32	<p>Measurement of <math>B_c \rightarrow B^0 s</math> Violation in the Phase Space of <math>B_c \rightarrow B^0 s</math>. Physical Review Letters, 2014, 113, 162001.</p>	1.6	80
33	<p>Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.</p>	1.5	77
34	<p>Measurements of <math>B_c \rightarrow B^0 s</math> and Mass with the <math>B_c \rightarrow B^0 s</math>. Physical Review Letters, 2012, 109, 232001.</p>	2.9	75
35	<p>Measurements of the S-wave fraction in <math>B^0 \rightarrow \pi^+ \pi^- \pi^0</math> decays and the <math>B^0 \rightarrow \pi^+ \pi^- \pi^0</math> differential branching. Journal of High Energy Physics, 2016, 2016, 1.</p>	1.6	75

#	ARTICLE	IF	CITATIONS
37	Measurement of $C \langle P \rangle$ violation and the meson decay width difference with $B_s^0$	1.6	74
38	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	74
39	Measurement of resonant and non-resonant components in $C \langle P \rangle$	1.6	73
40	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		



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55	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
56	Precision measurement of the $B_{s^0} \rightarrow B_s^0 \gamma$ oscillation frequency with the decay $B_{s^0} \rightarrow B_s^0 \tau^+ \tau^-$ . New Journal of Physics, 2013, 15, 053021.	1.2	59
57	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	56
58	Observation of $B_c \rightarrow B^0 \tau^+ \nu_\tau$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	55
59	Measurement of $B_c \rightarrow B^0 \tau^+ \nu_\tau$ decay amplitudes and the $B_c \rightarrow B^0 \tau^+ \nu_\tau$ decay. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54
60	Study of the $D^0 \rightarrow p \pi^0$ amplitude in $\hat{b} \rightarrow b \rightarrow D^0 \pi^0$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
61	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
62	Measurement of the cross-section for $Z \hat{\tau}^+ e^+ e^-$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
63	Measurement of $\psi(2S) \rightarrow \tau^+ \tau^-$ polarisation in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2014, 74, 2872.	1.4	53
64	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.	1.6	52
65	Measurement of the exclusive $\Upsilon$ 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.	1.6	52
66	Measurement of the W boson mass. Journal of High Energy Physics, 2022, 2022, 1.	1.6	52
67	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \pi^0$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
68	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
69	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
70	Precision measurement of the ratio of the $B_c \rightarrow B^0 \tau^+ \nu_\tau$ to $B_c \rightarrow B^0 \mu^+ \nu_\mu$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.5	50
71	First observation and amplitude analysis of the $B_c \rightarrow B^0 \tau^+ \nu_\tau$ decay. Physical Review D, 2015, 91, 1.	1.6	50
72	Searches for Majorana neutrinos in $B^0 \rightarrow \tau^+ \tau^-$ decays. Physical Review D, 2012, 85, 1.	1.6	49



#	ARTICLE	IF	CITATIONS
91	Measurement of the forward-backward asymmetry in $Z/\hat{\nu}^3 \hat{\nu}^+ - \hat{\nu}^+ \hat{\nu}^4 + \hat{\nu}^4 \hat{\nu}^+$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
92	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
93	Measurement of the relative rate of prompt $\bar{c}0$ , $\bar{c}1$ and $\bar{c}2$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
94	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{c} \ell \nu$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 15-16.	1.6	36
95	Precision Measurement of the Mass and Lifetime of the $\Lambda_b^0$ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
96	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
97	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow \bar{c} \ell \nu$ and $B \rightarrow \bar{c} \ell \nu$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 15-16.	1.6	35
98	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{c} \ell \nu$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
99	Measurement of the relative branching fractions of $B \rightarrow \bar{c} \ell \nu$ and measurement of the relative branching fractions of $B \rightarrow \bar{c} \ell \nu$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	0.9	35
100	Precision Measurement of the Mass and Lifetime of the $\Lambda_b^0$ Baryon. Physical Review Letters, 2013, 111, 102003.	2.9	35
101	Observation of the $B \rightarrow \bar{c} \ell \nu$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
102	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
103	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
104	Angular moments of the decay $B \rightarrow \bar{c} \ell \nu$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
105	Search for the rare decay $B \rightarrow \bar{c} \ell \nu$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
106	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	1.5	33
107	Study of $\Upsilon$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
108	Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33

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109	Precision measurement of the $\chi_{cc}^{++}$ mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
110	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow e^+ \mu^- \nu_e$ and $B \rightarrow e^+ \mu^- \nu_e$ . Physical Review Letters, 2013, 112, 014180.	1.6	32
111	Measurement of the Semileptonic $C \rightarrow P$ Asymmetry in $B \rightarrow O$ . $\frac{B \rightarrow O}{B \rightarrow O} \frac{B \rightarrow O}{B \rightarrow O}$	2.9	32
112	Search for the lepton flavour violating decay $\tilde{L}_\mu \rightarrow \hat{e}^+ \hat{\nu}_\mu + \hat{\nu}_\mu \hat{\nu}_\mu$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	32
113	Studies of beauty baryon decays to $D$ . $\frac{D \rightarrow O}{D \rightarrow O} \frac{D \rightarrow O}{D \rightarrow O}$	1.6	31
114	Measurement of the CP-violating phase $\beta$ in $B \rightarrow J/\psi K^0$ . $\frac{B \rightarrow J/\psi K^0}{B \rightarrow J/\psi K^0}$	1.5	31
115	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49. $\frac{B \rightarrow J/\psi K^0}{B \rightarrow J/\psi K^0}$	2.9	31
116	Test of lepton universality with $\Lambda_b \rightarrow p \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
117	On the interplay of direct and indirect CP-violation in the charm sector. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 045005.	1.4	30
118	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
119	Measurement of charged particle multiplicities and densities in $pp$ collisions at $\sqrt{s}=7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
120	Amplitude analysis of $B \rightarrow O$ . $\frac{B \rightarrow O}{B \rightarrow O}$	1.6	30
121	Violation in $C \rightarrow P$ . $\frac{C \rightarrow P}{C \rightarrow P}$	2.9	30
122	Forward production of $\eta$ mesons in pp collisions at $\sqrt{s}=7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
123	Angular analysis of the $B \rightarrow K^* e^+ e^-$ decay in the low- $q^2$ region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
124	First observation of $B \rightarrow J/\psi K^0$ . $\frac{B \rightarrow J/\psi K^0}{B \rightarrow J/\psi K^0}$	1.5	29
125	Study of $D \rightarrow S$ decays to $D^0 K^0$ and $D^0 K^+$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29
126	Measurement of relative branching fractions of B decays to $\tilde{\nu}(2S)$ and $J/\psi$ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29



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127	Measurement of the lifetime of the $B_c^0$ meson. Journal of High Energy Physics, 2016, 2016, 1.	2.9	29
128	Measurement of the CKM angle $\beta$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
130	Near-threshold $\overline{D}^0$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
131	Measurement of the $B^0 \rightarrow K^+ K^- e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
132	First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
133	First Observation of a Baryonic $B_c^+$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
134	Studies of the resonance structure in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
135	Angular analysis of the rare decay $B_s^0 \rightarrow K^+ K^- \mu^+ \mu^-$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
136	Observation of $B_c^+$ decay. Physical Review Letters, 2012, 109, 131801.	2.9	27
137	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B^0 \rightarrow K^+ K^-$ decays. Nuclear Physics B, 2014, 888, 169-193.	0.9	27
138	Evidence for $B_c^+$ decay. Physical Review Letters, 2012, 109, 131801.	2.9	27
139	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B^0 \rightarrow K^+ K^-$ decays. Nuclear Physics B, 2014, 888, 169-193.	2.9	27
140	ReDecay: a novel approach to speed up the simulation at LHCb. European Physical Journal C, 2018, 78, 1009.	1.4	27
141	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
142	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^+ K^-$ and $B^+ \rightarrow K^+ K^-$ . Journal of High Energy Physics, 2014, 2014, .	1.6	26
143	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
144	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26

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145	Angular analysis of charged and neutral $B \rightarrow K^{1/4} + \bar{K}^{1/4} \pi^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
146	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
147	Searches for $B \rightarrow K^{1/4} + \bar{K}^{1/4} \pi^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
148	Observation of the decay $B_c^+ \rightarrow \bar{K}^0 K^+ K^0 \pi^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
149	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
150	Searches for $\Lambda_b^0$ and $\Xi_b^0$ decays to $K_{\text{S}}^0 \pi^+$ and $K_{\text{S}}^0 \pi^0$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^+$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
151	Measurements of the branching fractions of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. European Physical Journal C, 2013, 73, 2462.	2.9	25
152	Measurements of the branching fractions of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
153	Observation of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays and measurement of the $\theta(1285)$ mixing angle. Physical Review Letters, 2014, 112, 091802.	0.9	24
154	Observation of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays and measurement of the $\theta(1285)$ mixing angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
155	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
156	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
157	Observations of $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ decays and searches for other $B^0$ and $\bar{B}^0$ decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
158	Observation of a new baryon state in the $\Lambda_b^0 \rightarrow \pi^+ \pi^- \pi^0$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
159	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
160	Measurement of the $B^0 \rightarrow \pi^+ \pi^- K^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 218-228.	1.5	23
161	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
162	Model-independent search for CP violation in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633.	1.5	22

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163	First observations of $B^0 \rightarrow D^+ D_s^-$ , $D_s^+ D^0$ and $D^0 \rightarrow D^+ D_s^-$ decays. Physical Review D, 2013, 87, .	1.6	22
164	Measurement of the CKM angle $\hat{\beta}^3$ using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow K^0 \pi^{\pm} \pi^{\mp}$ , $K^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
165	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
166	Measurement of the $C \rightarrow P$ Asymmetry in $B \rightarrow s \gamma$ decays. Physical Review Letters, 2015, 115, 112001.	2.9	22
167	Observation of $B^0 \rightarrow J/\psi K^+ K^-$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
168	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.	2.9	21
169	Precise measurements of the properties of the $B(5721)^0$ and $B(5747)^0$ states and observation of $B^+ \rightarrow \pi^+ \pi^0$ mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	21
170	A precise measurement of the $B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
171	Measurement of the properties of the $\Lambda_b^0$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
172	Observation of the decay $B \rightarrow s \gamma$ and evidence for $B \rightarrow s \tau^+ \tau^-$ and $B \rightarrow s \mu^+ \mu^-$ . Physical Review D, 2017, 95, .	1.6	21
173	Search for the lepton-flavour violating decays $B^0 \rightarrow s \tau^+ \tau^-$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
174	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- (2S)$ decays. Physical Review D, 2012, 85, .	1.6	20
175	First observation of $B \rightarrow K^* \gamma$ and search for $B \rightarrow K^* \tau^+ \tau^-$ decays. Physical Review Letters, 2014, 112, 041801.	1.6	20
176	Search for CP violation in $B \rightarrow K^* \pi^0$ decays. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.6	20
177	Measurement of the $\hat{\beta}^3$ mass and of the relative rate of $\hat{\beta}^3$ $b(1P)$ and $\hat{\beta}^3$ $b(1P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
178	Search for CP violation in $B \rightarrow K^* \pi^0$ decays. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.6	20
179	Study of $B_c^+$ decays to the $K^+ K^0 \pi^+$ final state and evidence for the decay $B_c^+ \rightarrow K^+ \pi^0 \pi^+$ . Physical Review D, 2016, 94, .	1.6	20

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181	Search for the lepton-flavour violating decay $D_0 \rightarrow e \mu \tau$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
182	Measurement of CP observables in $B \rightarrow DK$ and $B \rightarrow D^* K$ 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
183	Studies of the resonance structure in $D \rightarrow K^* K$ . Physical Review D, 2016, 93, .	1.6	20
184	Evidence for the decay $B_s^0 \rightarrow \overline{K}^* \mu^+ \mu^-$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
185	Updated measurement of time-dependent CP-violating observables in $B \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
186	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ and $B_s^0 \rightarrow D_s^* \pi^+ \pi^-$ . Journal of High Energy Physics, 2012, 2012, .	1.6	19
187	First Measurement of the CP-Violating Phase in $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2013, 110, 241802.	2.9	19
188	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^* K^+ K^-$ and $B^0 \rightarrow D^* K^+ K^-$ . Physical Review D, 2013, 87, .	1.6	19
189	Search for CP violation in the decay $B \rightarrow D^* \mu^+ \mu^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	1.5	19
190	Resonances and CP violation in $B \rightarrow \psi K^+ K^-$ decays in the mass region above the $\psi(1020)$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
191	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
192	Measurement of CP violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2014, 90, .	1.6	18
193	Measurement of forward $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
194	Simultaneous determination of CKM angle $\hat{\Gamma}^3$ and charm mixing parameters. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
195	Measurement of the effective lifetime of $B \rightarrow K^* \mu^+ \mu^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	1.7	17
196	Observation of $B^0 \rightarrow \overline{B}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
197	Measurement of the polarization amplitudes in $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review D, 2014, 90, .	0.9	17
198	Measurement of the effective lifetime of $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review D, 2013, 88, .	1.6	17

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199	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ decay. <i>Physical Review Letters</i> , 2014, 112, 111802.	2.9	17
200	Search for the decay $B_s \rightarrow D^* \ell \bar{\nu}_\ell$ . <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	17
201	Study of the rare $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B_0 \rightarrow D^* \ell \bar{\nu}_\ell$ decays into the $\bar{c} \rightarrow \bar{c} \ell \bar{\nu}_\ell$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 46-55.	1.5	17
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223	Measurement of the CP violation parameters in $B \rightarrow K^* \pi$ decays. Physical Review D, 2014, 90, 1.	1.6	14
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233	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
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237	Measurement of the time-dependent CP asymmetry in $B_{\text{u}}^0 \rightarrow D_{\text{s}}^+ K_{\text{s}}^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 721, 24-31.	1.5	13
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239	Search for CP violation in $D \rightarrow K^+ K^0$ and $D \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	13
240	A study of CP violation in $B_{\text{u}}^0 \rightarrow D_{\text{s}}^+ K_{\text{s}}^-$ and $B_{\text{u}}^0 \rightarrow D_{\text{s}}^+ K_{\text{s}}^-$ decays with $B_{\text{u}}^0 \rightarrow D_{\text{s}}^+ K_{\text{s}}^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 733, 36-45.	1.5	13
241	Measurement of the time-integrated CP asymmetry in $B_{\text{u}}^0 \rightarrow D_{\text{s}}^+ K_{\text{s}}^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.5	13
242	Measurement of polarization amplitudes and CP asymmetries in $B_{\text{u}}^0 \rightarrow K^+ K^0$ . <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	13
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251	Model-independent measurement of mixing parameters in $D_{\text{s}}^0 \rightarrow D_{\text{s}}^+ K_{\text{s}}^-$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	13
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261	Measurement of the time-dependent CP asymmetries in $B \rightarrow K^* \tau^+ \tau^-$ decays. Journal of High Energy Physics, 2015, 2015, . 12	1.6	12
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277	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu$ . European Physical Journal C, 2019, 79, 1.	1.4	11
278	A search for $\Xi_{cc}^{++} \rightarrow D^+ p K^+ \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
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303	Measurement of prompt charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	9
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306	Measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow \pi^+ D K^0$ with $D \rightarrow \pi^+ \pi^- \pi^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8

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313	Search for the decay $B_s^0 \rightarrow D^{*\mp} K^{\pm}$ . Physical Review D, 2013, 87, .	1.6	7
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315	Measurement of CP observables in $B^{\pm} \rightarrow DK^{\pm}$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
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319	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^{\mp} \psi(3700)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
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322	Study of $B^0 \rightarrow D^+ K^-$ with an amplitude analysis of $B^0 \rightarrow D^+ K^-$ decays. Physical Review D, 2015, 92, .		
323	Determination of the branching fractions of $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^+$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
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327	Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B^0 \rightarrow \bar{l}_i l_i$ decay. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	6
328	Measurement of the CKM angle $\hat{\beta}_3$ in $B_{\pm}^0 \rightarrow DK_{\pm}^0$ and $B_{\pm}^0 \rightarrow D^{\pm} K_{\pm}^0$ decays with $D^{\pm} \rightarrow K_{\pm}^0 \pi^{\pm}$ . <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	6
329	Measurement of the branching fraction of the $B^0 \rightarrow D^+ \pi^-$ decay. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	6
330	Study of $B_c^+ \rightarrow \chi_{cJ} \pi^+$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	6
331	Measurement of $\chi_{c1}(3872)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	6
332	First observation of the rare $B^+ \rightarrow D^+ K^+ \bar{l}_i l_i$ decay. <i>Physical Review D</i> , 2016, 93, .	1.6	5
333	Measurement of the $B_s^0 \rightarrow D_s^{(*)+} D_s^{(*)-}$ branching fractions. <i>Physical Review D</i> , 2016, 93, .	1.6	5
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335	Measurement of $D_{\pm}^0$ 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
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337	Measurement of CP observables in the process $B^0 \rightarrow DK^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	5
338	Search for CP violation in $D_{\pm}^0 \rightarrow \pi^{\pm} \pi^0$ and $D_{\pm}^0 \rightarrow \pi^{\pm} \eta$ decays. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	5
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340	Measurement of forward top pair production in the dilepton channel in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
341	Measurement of CP violation in $B^0 \rightarrow D^+ \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
342	Measurement of CP observables in $B_{\pm}^0 \rightarrow DK_{\pm}^0$ and $B_{\pm}^0 \rightarrow D^{\pm} K_{\pm}^0$ with $D^{\pm} \rightarrow K_{\pm}^0 \pi^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4

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343	Measurement of differential $b$ - and $c$ -dijet cross-sections in the forward region of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
344	Measurement of the CKM angle $\hat{\beta}$ and $B_s^0$ mixing frequency with $B_s^0 \rightarrow D_s^{\pm} h^{\pm} \pi^{\pm} \pi^{\mp}$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
345	Observation of a $\Lambda_b^0$ production asymmetry in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
346	Observation of the semileptonic decay $B^+ \rightarrow p \bar{\nu}_\mu \mu^+$ . Journal of High Energy Physics, 2020, 2020, .	1.6	4
347	Search for the radiative $\chi_{b1} \rightarrow \gamma \hat{\beta}$ decay. Journal of High Energy Physics, 2022, 2022, 1.	1.6	4
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349	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow \hat{\beta}^+ J/\psi K^+$ and $B^+ \rightarrow \hat{\beta}^+ J/\psi K^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
350	Measurement of the branching fraction and CP asymmetry in $B^+ \rightarrow \psi(3700) \rho^+$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
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353	Study of charmonium and charmonium-like contributions in $B^+ \rightarrow \hat{\beta}^+ J/\psi K^+$ decays. Journal of High Energy Physics, 2022, 2022, 1.	1.6	3
354	Measurement of the CP asymmetry in $B^+ \rightarrow \hat{\beta}^+ D^0$ and $B^+ \rightarrow \hat{\beta}^+ D^+ D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
355	Observation of the doubly Cabibbo-suppressed decay $\hat{\beta}^+ \rightarrow c \bar{s} \pi^+$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	2
356	Observation of the $B_s^0 \rightarrow \hat{\beta}^+ D^* \hat{\beta}^0$ decay. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
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358	Measurements of prompt charm production cross-sections in pp collisions at ( $\sqrt{s}=13$ ) TeV. , 2016, 2016, 1.		2
359	Measurements of the S-wave fraction in $B^0 \rightarrow \hat{\beta}^+ K^+ \bar{K}^0$ decays and the $B^0 \rightarrow \hat{\beta}^+ K^+ \bar{K}^0$ differential branching fraction. , 2016, 2016, 1.		2
360	Measurement of CP violation in $B^0 \rightarrow \hat{\beta}^+ D^+ D^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2

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361	First measurement of the CP-violating phase in $\{B\}^0 \rightarrow \psi \{K\}^0$ . <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.4	1
362	Search for massive long-lived particles decaying semileptonically at $\sqrt{s}=13, \text{hbox}\{\text{TeV}\}$ . <i>European Physical Journal C</i> , 2022, 82, .	1.4	2
363	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 1127-1132.	1.2	1
364	Observation of the decay $\{\overline{B}\}_s^0 \rightarrow \chi_{c2} \{K\}^+ \{K\}^-$ in the $\tilde{\chi}$ mass region. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	1
365	Observation of the decay $\{\Lambda\}_{\text{charm}}^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	1
366	Angular analysis of $\{B\}^0 \rightarrow \{D\}_s^* \{K\}^0$ with $\{D\}_s^* \rightarrow \{D\}_s^+ \gamma$ decays. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	1
367	Measurement of branching fraction ratios for $B^+ \rightarrow D^{*+} D^0 K^+$ , $B^+ \rightarrow D^{*+} D^+ K^+$ , and $B^0 \rightarrow D^{*+} D^0 K^+$ decays. <i>Journal of High Energy Physics</i> , 2020, 2020, .	1.6	1
368	Search for the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	1
369	Observation of $\{\Lambda\}_b^0 \rightarrow \pi^+ D^0 \pi^0$ and $\{\Lambda\}_b^0 \rightarrow \pi^+ D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	0
370	Updated search for $\{B\}_c^+$ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	0