

Vladimir Vava Gligorov

List of Publications by Year in descending order

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Version: 2024-02-01

305
papers

15,556
citations

18465

62
h-index

22808

112
g-index

305
all docs

305
docs citations

305
times ranked

8188
citing authors

#	ARTICLE	IF	CITATIONS
19	B, D and K decays. European Physical Journal C, 2008, 57, 309-492.	1.4	146
20	Search for Hidden-Sector Bosons in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2015, 115, 161802.	1.9	198
21	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
22	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
23	Measurement of $b \rightarrow c$ hadron production fractions in 7 TeV collisions. Physical Review D, 2012, 85, .	1.6	116
24	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
25	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	1.4	111
26	Evidence for Exotic Hadron Contributions to $B \rightarrow J/\psi \ell^+ \ell^-$ Decays. Physical Review Letters, 2016, 116, 082001.	2.9	110
27	Measurement of $B \rightarrow J/\psi \ell^+ \ell^-$ -Violating Phase in the Decay $B \rightarrow J/\psi \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 221601.	2.9	108
28	Measurement of ψ' production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
29	Search for Majorana Neutrinos in $B \rightarrow J/\psi \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
30	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow J/\psi \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 221601.	2.9	105
31	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104
32	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
33	Differential branching fraction and angular analysis of the decay $B \rightarrow J/\psi \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
34	Model-Independent Evidence for $B \rightarrow J/\psi \ell^+ \ell^-$ Contributions to $B \rightarrow J/\psi \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 101801.	2.9	102
35	Measurement of $C \rightarrow P$ Violation in the Phase Space of $B \rightarrow J/\psi \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 101801.	2.9	101
36	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

#	ARTICLE	IF	CITATIONS
37	Observation of Excited $\Lambda(1520)$ Baryons. Physical Review Letters, 2012, 109, 172003.	2.9	98
38	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	89
39	Measurement of $\Lambda(1520)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
40	Study of D J meson decays to $D^+ \Lambda_c^0$, $D^0 \Lambda_c^+$ and $D^+ \Lambda_c^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
41	Measurement of the $\Lambda(1520)$ branching fraction and angular analysis of $\Lambda(1520) \rightarrow \Lambda_c^+ \Lambda_c^-$ decays. Journal of High Energy Physics, 2015, 2015, .	2.9	82
42	Differential branching fraction and angular analysis of $\Lambda(1520) \rightarrow \Lambda_c^+ \Lambda_c^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
43	Observation of Overlapping Spin-1 and Spin-3 $\Lambda(1520)$ decays. Journal of High Energy Physics, 2015, 2015, .	2.9	80
44	Measurement of $\Lambda(1520)$ branching fraction and angular analysis of $\Lambda(1520) \rightarrow \Lambda_c^+ \Lambda_c^-$ decays. Journal of High Energy Physics, 2015, 2015, .	2.9	78
45	Measurement of $\Lambda(1520)$ branching fraction and angular analysis of $\Lambda(1520) \rightarrow \Lambda_c^+ \Lambda_c^-$ decays. Physical Review Letters, 2012, 109, 232001.	2.9	75
46	Measurements of the S-wave fraction in $B^0 \rightarrow \Lambda_c^+ K^-$ and $B^0 \rightarrow \Lambda_c^- K^+$ decays and the $B^0 \rightarrow \Lambda_c^+ K^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
47	Measurement of $\Lambda(1520)$ branching fraction and angular analysis of $\Lambda(1520) \rightarrow \Lambda_c^+ \Lambda_c^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	74
48	Study of J/ψ 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
49	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		

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55	Analysis of the resonant components in $B_c^0 \rightarrow B^0 \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
56	Search for the $B_c^0 \rightarrow B^0 \pi^0$ decay. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
57	Measurement of the isospin asymmetry in $B_c^0 \rightarrow B^0 \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
58	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
59	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
60	Observation of $D_c^+ \rightarrow D^+ \pi^0$ decay. Physical Review Letters, 2013, 110, 101802.	2.9	65
61	Violation in $B_c^0 \rightarrow B^0 \pi^0$ decay. Physical Review Letters, 2012, 108, 241801.	2.9	65
62	First Observation of the Decay $B_c^0 \rightarrow B^0 \pi^0$. Physical Review Letters, 2012, 108, 251802.	2.9	65
63	Determination of the Sign of the Decay Width Difference in the $B_c^0 \rightarrow B^0 \pi^0$ System. Physical Review Letters, 2012, 108, 241801.	2.9	61
64	Measurement of $B_c^0 \rightarrow B^0 \pi^0$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 165.	2.9	61
65	Analysis of the resonant components in $B_c^0 \rightarrow B^0 \pi^0$ decays. Physical Review D, 2013, 87, .	1.6	60
66	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
67	Precision measurement of the $B_c^0 \rightarrow B^0 \pi^0$ oscillation frequency with the decay $B_c^0 \rightarrow B^0 \pi^0$. New Journal of Physics, 2013, 15, 053021.	1.2	59
68	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
69	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
70	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	1.6	56
71	Observation of a Resonance in $B_c^0 \rightarrow B^0 \pi^0$ decays. Physical Review Letters, 2013, 110, 101802.	2.9	65
72	Observation of $B_c^0 \rightarrow B^0 \pi^0$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 165.	1.6	55

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73	Study of the D^0 p amplitude in $\bar{b} \rightarrow c \ell^+ \bar{\nu}_\ell$ decays. Journal of High Energy Physics, 2017, 2017, 11.6		54
74	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
75	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
76	Measurement of $\psi(2S)$ $\Upsilon(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
77	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
78	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
79	First Observation of the Decay $B \rightarrow s \gamma$. Physical Review Letters, 2013, 110, 151803.	2.9	51
80	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+ K^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
81	Differential Branching Fraction and Angular Analysis of the Decay $B \rightarrow K^+ K^-$. Physical Review Letters, 2012, 108, 181806.	2.9	50
82	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
83	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
84	First Evidence of Direct CP Violation in Charmless Two-Body Decays of $B \rightarrow s \gamma$. Physical Review Letters, 2012, 108, 201601.	2.9	49
85	Searches for Majorana neutrinos in $B \rightarrow \mu^+ \mu^-$ decays. Physical Review D, 2012, 85, .	1.6	49
86	Observation of Two New Resonances. Physical Review Letters, 2015, 114, 062004.	2.9	47
87	Observation of Photon Polarization in the $B \rightarrow s \gamma$ Transition. Physical Review Letters, 2014, 112, 161801.	2.9	46
88	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
89	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
90	Measurement of $B \rightarrow s \gamma$ Parameters and Search for $B \rightarrow s \gamma$ Mixing. Physical Review Letters, 2012, 108, 181806.	2.9	43

#	ARTICLE	IF	CITATIONS
91	Study of χ_{c1} χ_{c0} χ_{c2} meson production in $p\bar{p}$ collisions at $\sqrt{s}=7$ and 8 TeV. European Physical Journal C, 2014, 74, .	1.4	43
92	Measurement of the B_c^+ meson lifetime using $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$. European Physical Journal C, 2014, 74, 2839.	1.4	43
93	Measurement of the Difference of Time-Integrated $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$ Asymmetries in $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$. European Physical Journal C, 2014, 74, 2839.	2.9	42
94	First observation of the decay $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
95	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
96	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \nu_\tau \nu_\tau$ and $B \rightarrow K^+ \nu_\tau \nu_\tau$. Physical Review Letters, 2012, 108, 101601.	2.9	39
97	Precision Measurement of the Mass and Lifetime of the B_c^+ Meson. Physical Review Letters, 2014, 113, 242002.	2.9	39
98	Study of the kinematic dependences of χ_{c1} χ_{c0} production in pp collisions and a measurement of the χ_{c1} χ_{c0} branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
99	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
100	Production of associated Υ 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
101	First observation of the decay $B \rightarrow \tau^+ \nu_\tau \nu_\tau$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
102	Measurement of the relative rate of prompt χ_{c0} , χ_{c1} and χ_{c2} production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
103	Amplitude analysis and branching fraction measurement of $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$. Physical Review D, 2013, 87, .	1.6	36
104	Precision Measurement of the Mass and Lifetime of the B_c^+ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
105	First measurement of the differential branching fraction and CP asymmetry of the $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
106	Precision Measurement of the B_c^+ Lifetime. Physical Review Letters, 2013, 111, 102003.	2.9	35
107	Observation of the χ_{c1} χ_{c0} χ_{c2} decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
108	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34

#	ARTICLE	IF	CITATIONS
109	Angular moments of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
110	Study of Υ 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
111	Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
112	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e^- \pi^0$ and $B \rightarrow \tau^+ e^- \pi^0$. Physical Review Letters, 2013, 112, 014180.	2.9	32
113	Measurement of the Semileptonic Asymmetry in $B \rightarrow \tau^+ \nu_\tau \ell^- \bar{\nu}_\ell$. Physical Review D, 2013, 87, 074012.	1.6	32
114	Search for the lepton flavour violating decay $B \rightarrow \tau^+ \nu_\tau \ell^- \bar{\nu}_\ell$. Journal of High Energy Physics, 2015, 2015, 1.	2.9	32
115	Search for Violations of Lorentz Invariance and Symmetry in $B \rightarrow \tau^+ \nu_\tau \ell^- \bar{\nu}_\ell$. Journal of High Energy Physics, 2015, 2015, 1.	2.9	31
116	Test of lepton universality with $B \rightarrow \tau^+ \nu_\tau \ell^- \bar{\nu}_\ell$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
117	Allen: A High-Level Trigger on GPUs for LHCb. Computing and Software for Big Science, 2020, 4, 7.	1.3	31
118	On the interplay of direct and indirect CP violation in the charm sector. Journal of Physics C: Nuclear and Particle Physics, 2012, 39, 045005.	1.4	30
119	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30
120	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
121	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
122	Violation in $B \rightarrow \tau^+ \nu_\tau \ell^- \bar{\nu}_\ell$. Physical Review Letters, 2015, 115, 031601.	2.9	30
123	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
124	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
125	Study of $D \rightarrow s \ell^+ K_{S^0}$ and $D \rightarrow K^+ \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29

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127	Measurement of relative branching fractions of B decays to $\bar{\psi}(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29
128	Measurement of the $\langle \cos \phi \rangle$ violating Phase $\langle \cos \phi \rangle$ in $B \rightarrow \bar{\psi} \psi$ decays. European Physical Journal C, 2012, 72, 2118.	2.9	29
129	Measurement of the CKM angle β from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
130	Determination of $\langle \cos \phi \rangle$ in $B \rightarrow \bar{\psi} \psi$ decays. Journal of High Energy Physics, 2016, 2016, 1.	2.9	28
131	Collisions and Measurement of the $B \rightarrow \bar{\psi} \psi$ 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 $B_s \rightarrow 0 \{K^+\} \{K^-\}$ 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 $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
135	Prospects for measurements with strange hadrons at LHCb. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
136	Observation of $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Physical Review Letters, 2012, 109, 131801.	2.9	27
137	Measurement of $\langle \cos \phi \rangle$ in $B \rightarrow \bar{\psi} \psi$ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	2.9	27
138	First Observation of $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Physical Review Letters, 2012, 109, 131801.	1.4	27
139	Oscillations in $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Physical Review Letters, 2012, 109, 131801.	2.9	27
140	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV and $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
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 $B \rightarrow 0 \{K^+\} \{K^-\}$ and $B \rightarrow 0 \{K^+\} \{K^-\}$. Journal of High Energy Physics, 2014, 2014, .	1.6	26
143	Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26
144	Angular analysis of charged and neutral $B \rightarrow 0 \{K^+\} \{K^-\}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26

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145	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664. Measurements of the branching fractions for $B \rightarrow K^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.4	26
146	Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
147	Measurement of the branching fractions for $B \rightarrow K^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
148	Observation of the decay $B_c^+ \rightarrow K^* K^+ \pi^0$. 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	Evidence for the Strangeness-Changing Weak Decay $B \rightarrow K^* \mu^+ \mu^-$. Journal of High Energy Physics, 2016, 2016, 1.	2.9	25
151	Measurements of the branching fractions of $B^+ \rightarrow \rho^0 \pi^+ K^0$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
152	Observation of $B^0 \rightarrow \rho^+ \pi^- K^+$ Decays and Measurement of the $\theta_1(1285)$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
153	Measurement of the forward W boson cross-section in pp collisions at $s = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
154	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
155	Observations of $\bar{b} \rightarrow \bar{c} \mu^+ \mu^- K^+$ and $\bar{b} \rightarrow \bar{c} \mu^+ \mu^- K^0$ decays and searches for other $\bar{b} \rightarrow \bar{c} \mu^+ \mu^-$ decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
156	Observation of a new baryon state in the $\Lambda_b^0 \rightarrow \Lambda^0 \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
157	Measurement of the forward Z boson production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
158	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
159	First observations of $B^0 \rightarrow D^+ D^{\prime-}$, $D_s^+ D_s^{\prime-}$ and $D^0 D^{\prime0}$ decays. Physical Review D, 2013, 87, .	1.6	22
160	Measurement of the $C \rightarrow P$ Asymmetry in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review Letters, 2013, 110, 031801.	2.9	22
161	Measurement of the CKM angle β using $B \rightarrow K^* \mu^+ \mu^-$ with $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
162	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22

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181	Resonances and CP violation in B_s^0 and $B_{\hat{c}}^0$ decays in the mass region above the $\bar{\Lambda}(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
182	Strong constraints on the $b \hat{c}^0 \rightarrow s \hat{c}^0$ photon polarisation from $B \hat{c}^0 \rightarrow K^0 e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
183	Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
184	Measurement of the $B_s^0 \hat{c}^0 \rightarrow \bar{\Lambda}^0 K^0$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, .	1.6	18
185	Measurement of the fraction of $\bar{\Lambda}(1S)$ originating from $\bar{\Lambda}(1P)$ decays in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
186	Measurement of forward $W \hat{c}^0 \rightarrow e \hat{c}^0$ production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
187	CP violation in the B_c system. Reports on Progress in Physics, 2017, 80, 046201.	8.1	18
188	Observation of $B_{\hat{c}}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
189	Measurement of the $B_{\hat{c}}^0 \rightarrow \bar{\Lambda}^0 K^0$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, .	1.6	17
190	Measurement of the $B_{\hat{c}}^0 \rightarrow \bar{\Lambda}^0 K^0$ branching fraction and angular amplitudes. Physical Review Letters, 2014, 112, 111802.	2.9	17
191	Search for the decay $B_{\hat{c}}^0 \rightarrow \bar{\Lambda}^0 K^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
192	Measurement of indirect CP asymmetries in $D^0 \hat{c}^0 \rightarrow K^+ K^-$ and $D^0 \hat{c}^0 \rightarrow \bar{K}^0 K^0$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, .	1.6	17
193	Observation of $\bar{\Lambda}^0 b^0 \rightarrow \bar{\Lambda}^0 K^0$ and $\bar{\Lambda}^0 b^0 \rightarrow \bar{\Lambda}^0 K^0$ decays and a measurement of the $\bar{\Lambda}^0 b^0$ baryon. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
194	Study of charmonium production in $B_{\hat{c}}^0$ hadron decays and first evidence for the decay $B_{\hat{c}}^0 \rightarrow \bar{\Lambda}^0 K^0$. European Physical Journal C, 2017, 77, 609.	1.4	17
195	Improved limit on the branching fraction of the rare decay $B_{\hat{c}}^0 \rightarrow \bar{\Lambda}^0 K^0$. European Physical Journal C, 2017, 77, 678.	1.4	17
196	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
197	Lifetime in the $B_{\hat{c}}^0$ system. Reports on Progress in Physics, 2017, 80, 046201.	8.1	17

#	ARTICLE	IF	CITATIONS
199	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
200	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	2.9	15
201	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^{\pm} \bar{K}^{\mp} \pi^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
202	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^{\pm} \pi^{\mp} \pi^0$ in the $K^0, 2^{\pm} \pi^{\mp}$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
203	Observation of the suppressed decay $\bar{b} \rightarrow b^0 \bar{c}^+ \bar{c}^0 \pi^{\pm} \pi^0$. Journal of High Energy Physics, 2017, 2017, 1.		15
204	Search for excited B c + states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
205	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^{\pm} \nu$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	1.4	15
206	Search for CP violation in $D^+ \rightarrow \bar{c}^+ \bar{c}^0 \pi^+$ and $D_s^+ \rightarrow K_S^0 \pi^+$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
207	Study of $B_{(s)}^0 \rightarrow K_{(S)}^0 h^{\pm} h^{\prime \mp}$ decays with first observation of $B_s^0 \rightarrow K_{(S)}^0 K^{\pm} \pi^{\mp}$ and $B_s^0 \rightarrow K_{(S)}^0 \pi^{\pm} \pi^{\mp}$. Journal of High Energy Physics, 2013, 2013, .	1.6	14
208	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
209	Measurement of the B_s^0 Meson Lifetime in $D_s^+ \rightarrow \bar{c}^+ \bar{c}^0 \pi^{\pm}$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
210	Observation of charmonium pairs produced exclusively in pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
211	Measurement of CP asymmetry in $B_s^0 \rightarrow \bar{c}^+ \bar{c}^0 D_s^{\pm} K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.		14
212	Performance of the LHCb High Level Trigger in 2012. Journal of Physics: Conference Series, 2014, 513, 012001.	0.3	14
213	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
214	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
215	Measurement of the CKM angle $\hat{\Gamma}^3$ using $B_{(s)}^0 \rightarrow D K_{(S)}^{\pm}$ with $D \rightarrow K^{\pm} \pi^{\mp} \pi^0, K^{\pm} \pi^{\mp} \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
216	Search for CP violation in $\chi_{c1}^{\pm} \rightarrow p K^{\pm} \pi^{\pm}$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14

#	ARTICLE	IF	CITATIONS
217	<p>Measurement of the ratio of branching fractions</p> $B(\text{script}) < \text{mo} < \text{msup} < \text{mi} > B < \text{mi} > < \text{mn} > 0 < \text{mn} > < \text{msup} < \text{mo} > \hat{+}' < \text{mo} > < \text{mlm}$		

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235	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
236	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
237	Study of $B^0 \rightarrow D^* \pi^+ \pi^-$ and $B^0 \rightarrow D^* K^+ K^-$ decays. Physical Review D, 2013, 87, .	1.6	11
238	Observation of associated production of a Z boson with a D meson in the forward region. Journal of High Energy Physics, 2014, 2014, .	1.6	11
239	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^-$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
240	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
241	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
242	First measurement of the CP-violating phase $\phi_{s^{\overline{d}}}$ in $B^0 \rightarrow \pi^+ (K^+ \pi^-) (K^+ \pi^+)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
243	First observation of $B^+ \rightarrow D^+ s + K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s + \pi^+$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	11
244	Measurements of CP asymmetries in charmless four-body Λ_b^0 and Ξ_b^0 decays. European Physical Journal C, 2019, 79, 1.	1.4	11
245	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1.	1.4	11
246	Measurement of the Λ_b^0 angular distribution and the Λ_b^0 polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
247	First observation of the decays $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^-$. Physical Review D, 2012, 86, 1.6	1.6	10
248	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \overline{p} \pi^+$. Journal of High Energy Physics, 2013, 2013, .	1.6	10
249	Evidence for the two-body charmless baryonic decay $B^+ \rightarrow \overline{p} \Lambda^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
250	Study of $\overline{b}b$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
251	Measurement of branching fractions of charmless four-body Λ_b^0 and Ξ_b^0 decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
252	Effective-field-theory arguments for pursuing lepton-flavor-violating K decays at LHCb. Physical Review D, 2019, 99, .	1.6	10

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254	First observations of the rare decays $B \rightarrow \hat{\pi}^+ K + \bar{\pi}^0 + \bar{\pi}^0 \hat{\pi}^+ + \hat{\pi}^+ \hat{\pi}^0$ and $B \rightarrow \hat{\pi}^+ \bar{K} + \hat{\pi}^+ + \hat{\pi}^0 \hat{\pi}^0$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
255	Observation of the $B_s^0 \rightarrow \hat{\pi}^+ \bar{K}^{*0}$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
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258	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow \hat{\pi}^+ D K^{*0}$ decays with $D \rightarrow K^+ \bar{K}^0$ and $K^+ \bar{K}^0$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
259	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
260	Measurement of the $Y(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
261	Search for long-lived particles decaying to $e^+ \mu^-$. European Physical Journal C, 2021, 81, 1.	1.4	9
262	Measurement of CP observables in $B_{\pm}^0 \rightarrow D^{(*)} K_{\pm}^*$ and $B_{\pm}^0 \rightarrow D^{(*)} \bar{K}_{\pm}^*$ decays using two-body D final states. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
263	Observation of the $B_s^0 \rightarrow \hat{\pi}^+ \bar{K}^{*0} K^+ \bar{K}^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
264	Measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow \hat{\pi}^+ D K^{*0}$ with $D \rightarrow K^+ \bar{K}^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
265	Observation of the $B_s^0 \rightarrow \hat{\pi}^+ \bar{K}^{*0} \bar{K}^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
266	Search for the doubly charmed baryon χ_{cc}^+ in the $\chi_{cc}^+ \rightarrow \pi^+ \pi^+$ final state. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
267	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
268	Searches for $B_{(s)}^0 \rightarrow \psi \overline{p}$ and $B \rightarrow \hat{\pi}^+ \overline{p}$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
269	Search for the decay $B_s^0 \rightarrow D^{*+} \bar{K}^0$. Physical Review D, 2013, 87, .	1.6	7
270	First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow D^+ \bar{K}^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	7

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271	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
272	Observation of the $\Lambda_b^0 \rightarrow \chi_{c1} \rho^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
273	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
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275	Determination of the branching fractions of $B^0 \rightarrow D^+ S^- K^+$ and $B^0 \rightarrow D^+ S^- K^+$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
276	Observation of $B_s^0 \rightarrow D^+ K^- S^0$ and Evidence for $B_s^0 \rightarrow D^+ K^- S^0$ decays. Physical Review Letters, 2016, 116, 161802.9	1.6	6
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279	Measurement of the branching fraction of the $B^0 \rightarrow D^+ K^- \pi^+$ decay. European Physical Journal C, 2021, 81, 1.	1.4	6
280	First observation of the decay $B^0 \rightarrow K^+ K^- S^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1. 5	1.6	5
281	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
282	A Comparison of CPU and GPU Implementations for the LHCb Experiment Run 3 Trigger. Computing and Software for Big Science, 2022, 6, .	1.3	5
283	Measurement of CP violation in $B^0 \rightarrow D^+ K^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
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290	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \tau^+ \mu^-$ and $B \rightarrow \tau^+ K^+$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
291	Measurement of the branching fraction and CP asymmetry in $B \rightarrow \psi(3770) \rho^+$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
292	Experimental constraints from flavour changing processes and physics beyond the Standard Model. European Physical Journal C, 2012, 72, 2107.	1.4	2
293	Measurement of the CP asymmetry in $B \rightarrow D^* \tau^+ \tau^-$ and $B \rightarrow D^* \tau^+ \tau^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
294	Observation of the $B_s^0 \rightarrow \tau^+ D^{*+} D^{\mp}$ decay. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
295	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$; $\sqrt{s} = 13$ TeV. , 2012, 2012, 1.		2
296	Measurement of CP violation in $B^0 \rightarrow D^* \tau^+ \tau^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
297	First measurement of the CP-violating phase in $B^0 \rightarrow \psi(3770) \rho^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.4	2
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299	Observation of the decay $B^0 \rightarrow \chi_{c2} K^+ K^-$ in the τ mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
300	Measurement of branching fraction ratios for $B \rightarrow \tau^+ D^{*+} K^+$, $B \rightarrow \tau^+ D^{*+} K^+$, and $B^0 \rightarrow \tau^+ D^{*+} K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
301	Search for the decay $B^0 \rightarrow \tau^+ \tau^-$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
302	Performance and upgrade plans of the LHCb trigger system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 26-29.	0.7	0
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304	Observation of $\Lambda_b^0 \rightarrow \tau^+ D^+ \pi^-$ and $\Lambda_b^0 \rightarrow \tau^+ D^+ \pi^-$ decays. Journal of High Energy Physics, 2022, 2022, 1.	1.6	0
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