

Tom Hadavizadeh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

3,958
citations

25
h-index

58
g-index

208
ext. papers

5,436
ext. citations

5.4
avg. IF

3.46
L-index

#	Paper	IF	Citations
189	Measurement of prompt charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	2
188	Study of $\{B\}_{c}^{+}$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
187	Search for the radiative $\{X\}_{b}^{-}$ decay. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
186	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
185	Measurement of $\{B\}(3872)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
184	Observation of $\{\Lambda\}_{b}^{0}$ and $\{\Lambda\}_{b}^{0}$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
183	Searches for rare $\{B\}_{s}^{0}$ and B^0 decays into four muons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
182	Study of charmonium and charmonium-like contributions in $B^+ \rightarrow \{B\}_{c}^{+}$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
181	Search for the decay $B^0 \rightarrow \{B\}_{c}^{+} \{B\}_{c}^{-}$. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
180	A precision time of flight readout system for the TORCH prototype detector. <i>Journal of Instrumentation</i> , 2022 , 17, C05015	1	0
179	Angular analysis of the rare decay $\{B\}_{s}^{0} \rightarrow \{B\}_{c}^{+} \{B\}_{c}^{-}$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
178	First measurement of the (CP)-violating phase in $\{B\}_{s}^{0} \rightarrow \{J/\psi\} \{K\}^0$ ($\rightarrow \{e^{+}e^{-}\} \{K\}^0$) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
177	Measurement of J/ψ production cross-sections in pp collisions at $(\sqrt{s}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
176	Observation of a $\{\Lambda\}_{b}^{0}$ ($\overline{\Lambda\}_{b}^{0}$) production asymmetry in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
175	Measurement of the CKM angle $\{B\}_{s}^{0} \rightarrow \{B\}_{c}^{+} \{B\}_{c}^{-}$ mixing frequency with $\{B\}_{s}^{0} \rightarrow \{D\}_{s}^{\pm} \{h\}^{\pm} \{p\} \{p\}$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
174	Observation of the $\{B\}_{s}^{0} \rightarrow \{B\}_{c}^{+} \{B\}_{c}^{-}$ decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
173	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^{+} \mu^{\pm})$, text {jet}) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3

172	Observation of CP violation in two-body ($B_{(s)}$)-meson decays to charged pions and kaons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
171	Measurement of CP observables in $B_{(s)} \rightarrow D^{(*)} K_{(s)}$ and $B_{(s)} \rightarrow D^{(*)} \pi$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
170	Search for the rare decay $B \rightarrow h/\eta^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
169	Measurement of the branching fraction of the ($B^0 \rightarrow D^+_{(s)} \pi^-$) decay. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
168	Observation of the decay ($\Lambda_{\text{b}}^0 \rightarrow \Lambda p$). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
167	Searches for 25 rare and forbidden decays of D^+ and ($D^+_{(s)}$) mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
166	Angular analysis of ($B^0 \rightarrow D^{\text{ast}-} D^{\text{ast}+}_{(s)}$) with ($D^{\text{ast}+}_{(s)} \rightarrow D^{\text{ast}+}_{(s)} \gamma$) decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
165	Search for CP violation in ($D^+_{(s)} \rightarrow h^+ \pi^0$) and ($D^+_{(s)} \rightarrow h^+ \eta$) decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
164	Study of ($B_{(s)} \rightarrow h/\eta K$) decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
163	Measurement of differential (\overline{b})- and (\overline{c})-dijet cross-sections in the forward region of pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
162	Measurement of the CKM angle ϕ_n in $B_{(s)} \rightarrow D K_{(s)}$ and $B_{(s)} \rightarrow D \pi$ decays with $D \rightarrow h K^0_{(s)}$ $h \rightarrow h \pi$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
161	Search for long-lived particles decaying to ($e^+ \mu^-$) ($\mu^+ \mu^-$) (ν). <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
160	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
159	Simultaneous determination of CKM angle ϕ_1 and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
158	Search for the doubly charmed baryon Ξ_{cc}^+ in the $\Xi_{cc}^+ \pi^+ \pi^+$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
157	Updated search for $B^+_{(c)}$ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
156	Test of lepton universality with ($\Lambda_b^0 \rightarrow p K^+ \ell^+ \ell^-$) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
155	Measurement of the (Λ_b^0)- h/η angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2

154	Measurement of CP observables in $B_{\mu} \rightarrow DK_{\mu}$ and $B_{\mu} \rightarrow D\bar{K}_{\mu}$ with $D \rightarrow (K_{\mu}^0 \pi^{\pm})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
153	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
152	Test-beam studies of a small-scale TORCH time-of-flight demonstrator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 961, 163671	1.2	1
151	Measurement of the $(\eta_c(1S))$ production cross-section in $(p-p)$ collisions at $(\sqrt{s} = 13)$ (TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
150	Search for CP violation in $(\chi_{cc}^{++} \rightarrow p \bar{K}^0 \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
149	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_{\mu}$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
148	Measurement of CP violation in $B^0 \rightarrow D^* \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
147	Status of the TORCH Project. <i>Journal of Instrumentation</i> , 2020 , 15, C04031-C04031	1	1
146	Measurement of the shape of the $(B_s^0 \rightarrow D_s^* \bar{\mu}^+ \nu_{\mu})$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
145	Search for the lepton flavour violating decay $B^+ \rightarrow K^* \mu^+ \nu_{\tau}$ using (B_{s2}^0) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
144	Observation of a new baryon state in the $(\Lambda_{\text{b}}^0 \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
143	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
142	Search for the doubly heavy (χ_{bc}^0) baryon via decays to $D^0 p K^0$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
141	Strong constraints on the $b \rightarrow \bar{s} \gamma$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
140	Search for the doubly charmed baryon (χ_{cc}^+) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
139	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
138	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow (J/\psi) K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
137	Status of the TORCH time-of-flight project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 952, 161692	1.2	8

136	Beam tests of a large-scale TORCH time-of-flight demonstrator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 958, 162060	1.2	3
135	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	5.4	1
134	Search for the rare decay $(\{B^+\} \rightarrow \{\mu^+\} \{\mu^-\} \{\mu^+\} \{\nu_{\mu}\})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
133	Observation of the $(\{\Lambda_{\text{b}}^0 \rightarrow \{\chi_{\text{c}1}\})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
132	Observation of $B_{\text{s}}^0 \rightarrow \mu^+ \mu^-$ Decays and Precision Measurements of the B_{s}^0 Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
131	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
130	Observation of a Narrow Pentaquark State, $P_{\text{c}}(4312)^+$, and of the Two-Peak Structure of the $P_{\text{c}}(4450)^+$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
129	Observation of an Excited B_{c}^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
128	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
127	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \mu^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
126	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
125	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
124	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
123	Study of the $B^0 \rightarrow \mu^+ \mu^- K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \mu^+ \mu^- (K^+)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
122	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
121	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
120	Amplitude analysis of $B^0 \rightarrow \mu^+ \mu^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
119	Measurement of the branching fraction and (C)P asymmetry in $(\{B^+\} \rightarrow \{J/\psi\} \{\rho^+\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1

118	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
117	Near-threshold ($\overline{\text{D}}\text{D}$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
116	Amplitude analysis of the ($\text{B}_s^0 \rightarrow \text{K}^{\ast 0} \overline{\text{K}}^{\ast 0}$) decays and measurement of the branching fraction of the ($\text{B}^0 \rightarrow \text{K}^{\ast 0} \overline{\text{K}}^{\ast 0}$) decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
115	Observation of New Resonances in the $\text{B}^0 \rightarrow \text{K}^+ \text{K}^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
114	Updated measurement of time-dependent (CP)-violating observables in ($\text{B}^0_s \rightarrow \text{J}/\psi \text{K}^+ \text{K}^-$) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
113	Measurements of CP asymmetries in charmless four-body (Λ_b^0) and (Ξ_b^0) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
112	Prompt B^0 production in pPb collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
111	A search for (Ξ_{cc}^{++}) $\rightarrow \text{pK}^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
110	Measurement of CP violation in the ($\text{B}_s^0 \rightarrow \text{phi phi}$) decay and search for the $\text{B}_0 \rightarrow \text{h}^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
109	Search for the Lepton-Flavor-Violating Decays $\text{B}_s^0 \rightarrow \mu^+ \mu^- \tau^+ \tau^-$ and $\text{B}^0 \rightarrow \mu^+ \mu^- \tau^+ \tau^-$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
108	Search for Lepton-Flavor Violating Decays $\text{B}^+ \rightarrow \text{K}^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
107	Amplitude Analysis of $\text{B}^0 \rightarrow \text{K}^+ \text{K}^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
106	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 232001	7.4	3
105	TORCH: A large area time-of-flight detector for particle identification. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 936, 595-597	1.2	3
104	Search for excited B^0 states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
103	Measurement of CP asymmetry in $\text{B}^0 \rightarrow \text{D}^+ \text{K}^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
102	Search for the lepton-flavour violating decays $\text{B}^0 \rightarrow \mu^+ \mu^- \tau^+ \tau^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
101	First measurement of the CP-violating phase (ϕ_s^{D}) in $\text{B}^0 \rightarrow \text{K}^+ \text{K}^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

100	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 1127-1132	1.7	1
99	Measurement of the Ratio of the $B^0 \rightarrow D^{*-} \mu^+ \nu$ and $B^0 \rightarrow D^{*-} \mu^+ \nu$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
98	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow b \mu^+ \nu) / B(B_{c^+} \rightarrow b \mu^+ \nu)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
97	Measurement of branching fractions of charmless four-body $\bar{D}^0 b$ and $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
96	Evidence for the Rare Decay $\bar{D}^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
95	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
94	Study of γ production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
93	Mapping the material in the LHCb vertex locator using secondary hadronic interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P06008-P06008	1	10
92	Search for beautiful tetraquarks in the $\psi(1S) \mu\mu$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
91	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
90	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
89	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{\text{NN}}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
88	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
87	Measurement of γ production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
86	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	5.4	4
85	Observation of the decay $(\overline{B})_s^0 \rightarrow \chi_{c2} K^+ K^-$ in the ψ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
84	Search for a dimuon resonance in the ψ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
83	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11

82	Angular moments of the decay $B \rightarrow b \rightarrow \text{hadrons}$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	17
81	Measurement of $Z \rightarrow \mu\mu$ production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
80	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \mu^+ \mu^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7-4	54
79	Measurement of the CKM angle Γ using $B \rightarrow DK$ with $D \rightarrow K^0 S \rightarrow K^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
78	Measurement of $D \rightarrow s$ production asymmetry in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
77	Evidence for the decay $(B^0_S \rightarrow \overline{K}^0 \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15
76	Observation of the decay $B \rightarrow (KS) p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
75	Measurement of the CP asymmetry in $B \rightarrow D^0$ and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	1
74	Search for CP violation using triple product asymmetries in $B \rightarrow b \rightarrow \mu K^0$ and $B \rightarrow b \rightarrow \mu K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
73	First observation of $B^+ \rightarrow D^+ + s \rightarrow K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ + s^?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
72	Measurement of CP violation in $B^0 \rightarrow D^0 \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
71	Amplitude Analysis of the Decay $B^0 \rightarrow K^0_S \mu^+ \mu^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^{*0} \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7-4	7
70	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6-2	45
69	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \mu\mu$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4-2	25
68	Study of the $D^0 p$ amplitude in $B \rightarrow D^0 p \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	33
67	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4-2	35
66	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	27
65	Study of charmonium production in γ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4-2	10

64	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
63	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow -h/\bar{D}$ and $B \rightarrow -h/\bar{B}^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
62	Search for the $B \rightarrow 0s \rightarrow \bar{D}$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
61	Measurement of $B_{\{s\}^0}$ and $D_{\{s\}^{\pm}}$ Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
60	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
59	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{B}^+ \bar{B}^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
58	Observation of $B_{\{c\}^+} \rightarrow \bar{D}^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
57	Observation of Five New Narrow $\chi_{\{c\}^0}$ States Decaying to $\chi_{\{c\}^+} K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
56	Measurement of the $B_{\{s\}^0} \rightarrow \bar{B}^+ \bar{B}^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \bar{B}^+ \bar{B}^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
55	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
54	Search for the Decays $B_{\{s\}^0} \rightarrow \bar{B}^+ \bar{B}^-$ and $B^0 \rightarrow \bar{B}^+ \bar{B}^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
53	Observation of the suppressed decay $\bar{D} \rightarrow b \rightarrow \bar{p} \bar{n} \bar{n}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
52	Test of lepton universality with $B \rightarrow 0 \rightarrow K^* \bar{D} \rightarrow \bar{D}$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
51	$\chi_{\{c1\}}$ and $\chi_{\{c2\}}$ Resonance Parameters with the Decays $\chi_{\{c1,c2\}} \rightarrow h/\bar{D}^+ \bar{B}^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
50	Observation of D^0 Meson Decays to $\bar{B}^+ \bar{B}^- \bar{B}^+ \bar{B}^-$ and $K^+ K^- \bar{B}^+ \bar{B}^-$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
49	Search for Baryon-Number Violating $\Xi_{\{b\}^0}$ Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
48	Measurement of the J/ψ pair production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
47	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4.2	4

46	Evidence for the two-body charmless baryonic decay ($\{B\}^{\{+\}}$ to $\overline{\text{varLambda}}$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
45	First Observation of the Rare Purely Baryonic Decay $B^{\{0\}} \rightarrow \overline{\Lambda} p$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
44	Resonances and CP violation in B^0 s and ($\overline{B}_s^0 \rightarrow J/\psi \{K\}^{\{+\}} \{K\}^{\{-}\}$) decays in the mass region above the $\chi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	13
43	Study of ($\text{b} \overline{\text{b}}$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
42	Measurement of CP observables in $B_{\text{D}} \rightarrow \text{DK}^* \text{D}$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
41	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4-2	23
40	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
39	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	3
38	Measurement of the Y(nS) polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	6
37	First Observation of $D^{\{0\}} \rightarrow D^{\{0\}}$ Oscillations in $D^{\{0\}} \rightarrow K^{\{+\}} \overline{D}^{\{-}\} \overline{D}^{\{-}\}$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7-4	16
36	Observation of $B_{\text{S}}^{\{0\}} \rightarrow \overline{D}^{\{0\}} K_{\text{S}}^{\{0\}}$ and Evidence for $B_{\text{S}}^{\{0\}} \rightarrow \overline{D}^{\{+\}} \{K_{\text{S}}^{\{0\}}\}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7-4	5
35	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^{\{0\}} \rightarrow K^{\{-}\} K^{\{+\}}$ and $D^{\{0\}} \rightarrow \overline{D}^{\{+\}}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7-4	25
34	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{\text{S}}^{\{0\}}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7-4	22
33	Search for Structure in the $B_{\text{S}}^{\{0\}} \rightarrow \overline{D}^{\{0\}}$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7-4	64
32	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow \text{K}^{\{0,2\}} \text{K}^{\{0,2\}}$ in the $\text{K}^{\{0,2\}}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
31	Study of $D^{\{*\}} + sJ$ mesons decaying to $D^{\{*\}} + K^0$ S and $D^{\{0\}} K^{\{+\}}$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
30	Study of $\{2S\}$ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{\text{NN}}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	10
29	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	65

28	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
27	Angular analysis of the $B^0 \rightarrow K^+ \pi^-$ decay using 3 fb ⁻¹ of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
26	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV 2016 , 2016, 1		2
25	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^-$ decays and the $B^0 \rightarrow K^+ (892)^0 \pi^-$ differential branching fraction 2016 , 2016, 1		2
24	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
23	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
22	Observations of $B^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow K^+ K^-$ decays and searches for other B^0 and B^0 decays to $B^+ h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
21	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
20	Observation of $B^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow K^+ \pi^-$ decays and a measurement of the B^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
19	Production of associated Y and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	25
18	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	13
17	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(B^0 \rightarrow K^+ \pi^-)}{\mathcal{B}(B^0 \rightarrow K^+ \pi^-)}$) <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
16	Measurement of forward W and Z boson production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
15	Measurement of the CKM angle α from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	23
14	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^-$ decays and the $B^0 \rightarrow K^+ (892)^0 \pi^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	48
13	A new algorithm for identifying the flavour of B0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
12	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7-4	6
11	Model-independent measurement of the CKM angle α using $B^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow K^+ \pi^-$ decays with $D^+ \pi^-$ and $K^+ \pi^-$ <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	6

10	Evidence for the Strangeness-Changing Weak Decay $B^+ \rightarrow B^0 \pi^+$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
9	Measurement of the ratio of branching fractions $B(B^+ \rightarrow D^+ \pi^0)/B(B^+ \rightarrow D^+ \pi^+)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
8	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^*(0) \pi^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
7	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction and search for the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
6	Forward production of π mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
5	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow \pi^+ \pi^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
4	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
3	Measurement of CP violation parameters and polarisation fractions in ($B^0 \rightarrow J/\psi K^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
2	Measurement of forward J/ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	47
1	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138