

Tom Hadavizadeh

List of Publications by Citations

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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 the ratio of branching fractions $B(B \rightarrow D^{*+} \mu^-) / B(B \rightarrow D^{*+} \tau^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
188	Test of lepton universality with $B \rightarrow K^* \mu \tau$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
187	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
186	Angular analysis of the $B \rightarrow K^* \mu \tau$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
185	Observation of a Narrow Pentaquark State, $P_c(4312)^+$, and of the Two-Peak Structure of the $P_c(4450)^+$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
184	Observation of Five New Narrow χ_{c0} States Decaying to $\chi_{c1} K^+$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
183	Angular analysis and differential branching fraction of the decay $B \rightarrow s \tau \mu$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
182	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
181	Measurement of the Ratio of the $B^+ \rightarrow D^{*+} \mu^+ \mu^-$ and $B^+ \rightarrow D^{*+} \tau^+ \mu^-$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
180	Measurement of the Ratio of Branching Fractions $B(B_{c1}^+ \rightarrow D^+ \mu^+ \mu^-) / B(B_{c1}^+ \rightarrow D^+ \tau^+ \mu^-)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
179	Measurement of the $B_{c1}^+ \rightarrow D^+ \mu^+ \mu^-$ Branching Fraction and Effective Lifetime and Search for $B_{c1}^+ \rightarrow D^+ \tau^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
178	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
177	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^*(0) \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
176	Search for Structure in the $B_{c1}^+ \rightarrow D^+ \mu^+ \mu^-$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
175	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \chi_{c1}^+ \mu^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
174	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
173	Measurements of the S-wave fraction in $B \rightarrow K^* \mu \tau$ decays and the $B \rightarrow K^*(892) \mu \tau$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48

172	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
171	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6-2	45
170	Search for the Decays $B_{s}^{0} \rightarrow \mu^{+} \mu^{-}$ and $B^{0} \rightarrow \mu^{+} \mu^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7-4	40
169	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7-4	39
168	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4-2	35
167	Study of the $D^0 \rightarrow p$ amplitude in $B \rightarrow D^0 p$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	33
166	Study of prompt D^0 meson production in pPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	27
165	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4-2	26
164	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
163	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^{*0} \rightarrow K^{*0} K^{+}$ and $D^{*0} \rightarrow \pi^{+} \pi^{0}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7-4	25
162	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
161	Production of associated Υ 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
160	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4-2	23
159	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	23
158	Search for Violations of Lorentz Invariance and CPT Symmetry in B_{s}^{0} Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7-4	22
157	Observation of New Resonances in the $B_{c}^{0} \rightarrow \mu^{+} \mu^{-}$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7-4	22
156	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow \mu^{+} \mu^{-}$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
155	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{\mathrm{NN}}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7-4	22

154	Forward production of Υ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
153	Search for beautiful tetraquarks in the $\Upsilon(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
152	Study of J/Ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
151	Observation of an Excited B_{c}^{+} State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
150	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
149	Observations of $\Upsilon b^{-}K^{+}$ and $\Upsilon b^{-}K^{0}$ decays and searches for other Υb and Υb decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
148	Angular moments of the decay $\Upsilon b^{-}K^{+}$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
147	First Observation of D^{*0} - D^0 Oscillations in $D^{*0} \rightarrow K^{+}\pi^{-}\pi^{+}\pi^{-}$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
146	Near-threshold ($\overline{D}D$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
145	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
144	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e\mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
143	Study of the $\Upsilon(3823)$ and $\Upsilon(3872)$ states in $B^+ \rightarrow (J/\Psi)K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
142	Observation of $\Upsilon b^{-}(2S)pK^0$ and $\Upsilon b^{-}(2S)pK^+$ decays and a measurement of the Υb baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
141	Evidence for the decay ($B_{s1}^0 \rightarrow \overline{K}^{\ast 0}\mu^{+}\mu^{-}$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
140	Observation of D^{*0} Meson Decays to $\pi^{+}\pi^{-}\pi^{+}\pi^{-}$ and $K^{+}K^{-}\pi^{+}\pi^{-}$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
139	Evidence for the Strangeness-Changing Weak Decay $\Upsilon[b^{\ast -}]\rightarrow B[b^{\ast 0}]\pi^{-}$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
138	Amplitude Analysis of $B^{\ast 0}\rightarrow \pi^{\ast 0}K^{+}K^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
137	Model-Independent Observation of Exotic Contributions to $B^{\ast 0}\rightarrow \eta K^{+}\pi^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13

136	Search for excited B + c states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
135	Observation of $B_{c}^{+}D^{0}K^{+}$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
134	Resonances and CP violation in B_{s}^{0} 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
133	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
132	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
131	Search for the Lepton-Flavor-Violating Decays $B_{s}^{0} \rightarrow \mu^{+}\mu^{-}\nu$ and $B^{0} \rightarrow \mu^{+}\mu^{-}\nu$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
130	Test of lepton universality with ($\Lambda_{b}^{0} \rightarrow pK^{-}\ell^{+}\ell^{-}$) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
129	Measurement of CP violation parameters and polarisation fractions in ($B_{s}^{0} \rightarrow J/\psi \overline{K}^{*0}$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
128	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
127	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
126	Differential branching fraction and angular moments analysis of the decay $B_{s}^{0} \rightarrow K^{*0}K^{*0}$ in the $K^{*0}(1430)0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
125	Measurement of the CP Violation Parameter A_{FB}^{ℓ} in $D^{0} \rightarrow K^{+}K^{-}$ and $D^{0} \rightarrow \pi^{+}\pi^{-}$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
124	Measurement of the time-integrated CP asymmetry in $D^{0} \rightarrow K^{*0}K^{*0}$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
123	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
122	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
121	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
120	Measurement of B_{s}^{0} and D_{s}^{*} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
119	Observation of the suppressed decay $\Upsilon(1S) \rightarrow b \rightarrow \mu^{+}\mu^{-}\mu^{+}\mu^{-}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10

118	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
117	A new algorithm for identifying the flavour of B_0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
116	Prompt D^*c 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
115	Mapping the material in the LHCb vertex locator using secondary hadronic interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P06008-P06008	1	10
114	Measurement of the $(\eta_c(1S))$ production cross-section in (p) (p) collisions at ($\sqrt{s} = 13$) (, text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
113	Measurement of the CKM angle β using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 S$ $B^0 \rightarrow K^0 S$ $K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
112	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
111	Measurement of branching fractions of charmless four-body $B^0 b$ and $B^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
110	Evidence for the Rare Decay $B^+ \rightarrow p \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
109	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $B^0 \rightarrow \chi_{c1,2} \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
108	Measurement of the $B^0 \rightarrow \mu^+ \mu^-$ branching fraction and search for the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
107	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using (B_{s2}^0) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
106	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
105	Measurement of forward W $\rightarrow \mu \nu$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
104	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
103	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
102	Study of η' 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
101	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7

100	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0S$ and $D^*0 K +$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
99	Observation of the $B^0_s \rightarrow h/\eta$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
98	Updated measurement of time-dependent (CP)-violating observables in $(\{B^0_s\} \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
97	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
96	Search for CP violation in $(\{\{\varXi\}^+_{c}\} \rightarrow \{p\} \{K^-\} \{\pi^+\})$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
95	Observation of a new baryon state in the $(\{\Lambda_{\text{b}}^0\} \rightarrow \{\pi^+\} \{\pi^-\})$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
94	Search for a dimuon resonance in the η' mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
93	Search for CP violation using triple product asymmetries in $\{B^0\} \rightarrow \{K^0\} \{K^0\} \{K^0\}$ and $\{B^0\} \rightarrow \{K^0\} \{K^0\} \{K^0\}$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
92	Amplitude Analysis of the Decay $B^0 \rightarrow K^0_S \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^*(892)^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
91	First measurement of the CP-violating phase $(\phi_s^{\overline{D}})$ in $B^0_s \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
90	Measurements of CP asymmetries in charmless four-body $(\{\Lambda^0_b\})$ and $(\{\varXi^0_b\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
89	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
88	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
87	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
86	Model-independent measurement of the CKM angle α_s using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K^0 S$ and $K^0 S \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
85	Measurement of η' production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
84	First observation of $B^+ \rightarrow D^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s \eta'$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
83	Observation of the $(\{\Lambda_{\text{b}}^0\} \rightarrow \{\psi_{\text{c}}\})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5

82	Observation of $B_{(s)}^0 \rightarrow D^+ K_{(S)}^0$ and Evidence for $B_{(s)}^0 \rightarrow D^+ K_{(S)}^0$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7-4	5
81	Amplitude analysis of $B^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
80	Study of $(\overline{b} \rightarrow b)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
79	Measurement of the ratio of branching fractions $(\mathcal{B}(\overline{B} \rightarrow J/\psi K^+ K^0) / \mathcal{B}(\overline{B} \rightarrow J/\psi K^+ K^+))$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
78	A search for $(\Xi_{cc}^{++}) \rightarrow D^+ p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
77	Observation of the decay $D^0 \rightarrow \pi^+ \pi^- p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
76	Observation of $B_{(s)}^0 \rightarrow D^+ \overline{D}^0$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7-4	4
75	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
74	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^0 K^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
73	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
72	Evidence for the two-body charmless baryonic decay $(\Lambda_b^0 \rightarrow \overline{\Lambda}^0)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
71	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow \overline{D}^0 p$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
70	Measurement of CP observables in $B^0 \rightarrow D^+ K^0 K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
69	Strong constraints on the $b \rightarrow \overline{b} \gamma$ photon polarisation from $B^0 \rightarrow K^0 e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	4
68	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
67	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
66	Measurement of D^0 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
65	Amplitude analysis of the $(B_{(s)}^0 \rightarrow K^0 \overline{K}^0)$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^0 \overline{K}^0)$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	3

64	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
63	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
62	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
61	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
60	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
59	Search for long-lived particles decaying to (e^{\pm}) (μ^{\pm}) (ν). <i>European Physical Journal C</i> , 2021 , 81, 1	4-2	3
58	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4-2	3
57	Observation of the doubly Cabibbo-suppressed decay $B_c^- \rightarrow \bar{c} \ell^+ \nu$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
56	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
55	Measurement of the (Λ_b^0)- η/π angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
54	Measurement of CP observables in $B_{\mu}^0 \rightarrow D K_{\mu}^0$ and $B_{\mu}^0 \rightarrow D^* K_{\mu}^0$ with $D \rightarrow (K^0_{\text{S}})^0 K^{\pm} \pi^{\mp}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
53	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow \bar{c} \ell^+ \nu$ and $B^+ \rightarrow \bar{c} \ell^+ \bar{\nu}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	2
52	Study of the $B^0 \rightarrow K^* K^0$ decay with an amplitude analysis of $B^0 \rightarrow K^* K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
51	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
50	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV 2016 , 2016, 1		2
49	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^0$ decays and the $B^0 \rightarrow K^* K^0$ differential branching fraction 2016 , 2016, 1		2
48	Search for the doubly heavy (Ξ_{bc}^0) baryon via decays to $D^0 p K^0$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
47	Observation of the (B_s^0) $\rightarrow D^* \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2

46	Measurement of CP observables in $B^0 \rightarrow D^{(*)} K^0$ and $B^0 \rightarrow D^{(*)} \pi^0$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
45	Measurement of the branching fraction of the $(B^0 \rightarrow D^+_{s1} \pi^-)$ decay. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
44	Study of $(B^0 \rightarrow D^+_{s1} K^0)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
43	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
42	Measurement of CP violation in $B^0 \rightarrow D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
41	Measurement of CP observables in the process $B^0 \rightarrow D^+ K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
40	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
39	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 1127-1132	1.7	1
38	Measurement of the ratio of branching fractions of the decays $[D^0 \rightarrow \pi^+ \pi^-]_{CP}$ and $[D^0 \rightarrow \pi^+ \pi^0]_{CP}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
37	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
36	Search for the $B^0 \rightarrow D^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
35	Search for Baryon-Number Violating $[b^0]$ Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
34	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \nu_{\mu}$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
33	Status of the TORCH Project. <i>Journal of Instrumentation</i> , 2020 , 15, C04031-C04031	1	1
32	Angular analysis of the rare decay $(B^0 \rightarrow D^+ \pi^-)$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
31	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
30	Measurement of the shape of the $(B^0 \rightarrow D^+ \pi^-)_{CP}$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
29	Precision measurement of the (B^0_c) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1

28	Observation of CP violation in two-body ($B_{(s)}^0$)-meson decays to charged pions and kaons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
27	Search for the rare decay $B^0 \rightarrow h/\eta^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
26	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
25	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
24	Measurement of the CP asymmetry in $B_{(s)}^0 \rightarrow D^0$ and $B_{(s)}^0 \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
23	Search for the radiative $\chi_{b1} \rightarrow \gamma \chi_{b0}$ decay. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
22	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
21	Measurement of $\Xi(3872)$ 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
20	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
19	First measurement of the (CIP)-violating phase in ($B^0 \rightarrow J/\psi$) ($\rightarrow e^+ e^-$)(ϕ) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
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17	Measurement of the CKM angle $\Delta\alpha$ ($B_s^0 \rightarrow \overline{B}_s^0$) mixing frequency with ($B_s^0 \rightarrow D_s^{\mp} h^{\pm} \pi^{\pm} \pi^{\mp}$) decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
16	Observation of the decay ($\Lambda_b^0 \rightarrow p \pi^0$). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
15	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
14	Measurement of CP violation in the ($B_s^0 \rightarrow \phi \phi$) decay and search for the $B^0 \rightarrow h^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
13	Measurement of the CKM angle $\Delta\alpha$ in $B_{(s)}^0 \rightarrow D K^0$ and $B_{(s)}^0 \rightarrow D^0$ decays with $D \rightarrow K^0$ ($K^0 \rightarrow h \pi$). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
12	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$) in the χ_{c2} mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
11	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0

10	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	○
9	Simultaneous determination of CKM angle $\bar{\Gamma}$ and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	○
8	Search for the doubly charmed baryon χ_{cc}^+ in the $\chi_{c^+} \pi^- \pi^+$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	○
7	Study of charmonium and charmonium-like contributions in $B^+ \rightarrow h^+ \chi^+$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
6	Search for the decay $B_0 \rightarrow h^+ h^-$. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
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4	Study of $B_{\bar{c}}^+$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	
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2	Observation of $\Lambda_b^0 \rightarrow h^+ p$ and $\Lambda_b^0 \rightarrow h^+ p$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	
1	Updated search for B_c^+ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	