

Dipanwita Dutta

List of Publications by Citations

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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.

157
papers

2,225
citations

21
h-index

43
g-index

170
ext. papers

3,573
ext. citations

5.8
avg. IF

1.55
L-index

#	Paper	IF	Citations
157	Observation of a new boson with mass near 125 GeV in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
156	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
155	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
154	Search for Lepton-Universality Violation in $B^{+}K^{*0}\mu^{+}\mu^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
153	Measurements of inclusive W and Z cross sections in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
152	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
151	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
150	Search for $A^{0}\mu^{+}\mu^{-}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
149	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++}-\Xi_{c}^{*+}\mu^{+}$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
148	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
147	Observation of a New Ξ_{b}^{-} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
146	Measurement of CP-Averaged Observables in the $B^{*0}K^{*0}\mu^{+}\mu^{-}$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
145	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
144	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
143	Observation of Two Resonances in the $\Xi_{b}^{*0}\mu^{+}\mu^{-}$ Systems and Precise Measurement of Ξ_{b}^{*0} and Ξ_{b}^{*+} Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
142	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
141	Model-Independent Study of Structure in $B^{+}D^{+}D^{-}K^{+}$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25

140	Observation of New Resonances in the $\Upsilon(4S)$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
139	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
138	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
137	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
136	Observation of an Excited B_{c1}^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
135	First Observation of Excited $\Upsilon(4S)$ States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
134	Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
133	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
132	Angular moments of the decay $\Upsilon(4S) \rightarrow b \bar{b}$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
131	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into τ leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
130	Near-threshold ($\text{D}\overline{\text{D}}$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
129	Study of the $\psi(3823)$ and $\psi(3872)$ states in $B^+ \rightarrow (J/\psi)K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
128	Evidence for the decay ($B_S^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
127	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
126	Amplitude Analysis of $B^+ \rightarrow \pi^+ K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
125	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
124	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
123	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13

122	Search for the Lepton-Flavor-Violating Decays $B_{s^0} \rightarrow \ell^+ \ell^- \ell^+$ and $B^0 \rightarrow \ell^+ \ell^- \ell^+$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
121	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
120	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
119	Measurement of the Λ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
118	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
117	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
116	Observation of New Resonances Decaying to J/ψ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
115	Observation of New Λ_c^0 Baryons Decaying to $\Lambda_c^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
114	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
113	Prompt B_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
112	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
111	Measurement of the CKM angle β using $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
110	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
109	Measurement of the Charm-Mixing Parameter γ_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
108	Evidence for the Rare Decay $B^+ \rightarrow p \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	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	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \ell^+ \ell^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
105	Study of χ 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

104	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
103	First Observation of the Radiative Decay $B^0 \rightarrow \gamma \mu^+ \mu^-$ <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
102	Updated measurement of time-dependent (CP)-violating observables in $(B^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
101	Search for CP violation in $(\chi^0 \rightarrow p \bar{K}^+ \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
100	Observation of a new baryon state in the $(\Lambda_{\text{b}}^0 \rightarrow p \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
99	Measurement of f_s/f_u Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
98	First Observation of the Decay $B_s^0 \rightarrow K^+ \pi^- \pi^0$ and a Measurement of $ V_{ub} / V_{cb} $. <i>Physical Review Letters</i> , 2021 , 126, 081804	7.4	7
97	Search for a dimuon resonance in the η' mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
96	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
95	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4.2	7
94	First measurement of the CP-violating phase $(\phi_s^{\text{doverline{d}}})$ in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
93	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
92	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
91	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
90	Branching Fraction Measurements of the Rare $B_s^0 \rightarrow \pi^+ \pi^-$ and $B_s^0 \rightarrow \pi^+ \pi^- (1525)$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
89	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4.2	5
88	A search for $(\chi_{\text{cc}}^{++}) \rightarrow D^+ p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
87	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \rho^0$ <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5

86	Observation of $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
85	Search for the Rare Decays $B_{(s)}^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow e^+ e^-$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
84	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
83	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
82	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^+ K^- e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
81	Observation of Multiplicity Dependent Prompt $c(3872)$ and $\psi(2S)$ Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
80	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
79	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
78	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
77	Amplitude analysis of the ($B_{(s)}^0 \rightarrow K^{\ast 0} \overline{K}^{\ast 0}$) decays and measurement of the branching fraction of the ($B^0 \rightarrow K^{\ast 0} \overline{K}^{\ast 0}$) decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
76	Observation of a New Excited $D_{(s)}^+$ Meson in $B^0 \rightarrow D^+ D^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
75	Search for heavy neutral leptons in ($W^+ \rightarrow \mu^+ \mu^- + \text{jet}$) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
74	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
73	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
72	Search for long-lived particles decaying to ($e^+ \mu^-$) ($\mu^+ \mu^-$) (ν). <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
71	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
70	Search for CP Violation in $D_{(s)}^+ \rightarrow K_{(S)}^0 \pi^+$, $D^+ \rightarrow K_{(S)}^0 K^+$, and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
69	Observation of the doubly Cabibbo-suppressed decay $\pi^+ \rightarrow c^- \pi^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2

68	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
67	Measurement of the (Λ_b^0) angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
66	Measurement of CP observables in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0 \pi^0$ with $D^0 \rightarrow (K^+ K^-)^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
65	Study of the $B^0 \rightarrow \pi^+ K^{*0}$ decay with an amplitude analysis of $B^0 \rightarrow \pi^+ (K^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
64	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
63	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7-4	2
62	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
61	Isospin Amplitudes in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7-4	2
60	Observation of the $(B_s^0) \rightarrow D^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2
59	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
58	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
57	Measurement of CP-Violating and Mixing-Induced Observables in $B_{s1}^0 \rightarrow \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7-4	2
56	Study of $(B_{s1}^0) \rightarrow \pi^+ K^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2
55	Measurement of Z production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
54	Measurement of CP violation in $B^0 \rightarrow D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
53	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
52	Constraints on the $K_{S^0} \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7-4	1
51	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	1

50	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
49	Observation of the semileptonic decay $\{B\}^+ \rightarrow \overline{p} \{\mu\}^+ \{\nu_{\mu}\}$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
48	Angular analysis of the rare decay $(\{B\}_s^0 \rightarrow \overline{K}^* \{\mu\}^+ \{\nu_{\mu}\})$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
47	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
46	Measurement of the shape of the $(\{B\}_s^0 \rightarrow \{D\}_s^* \overline{\mu}^+ \{\nu_{\mu}\})$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
45	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 212001	7.4	1
44	Precision measurement of the $(\{B\}_c^+)$ meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
43	Measurement of CP Violation in the Decay $B^+ \rightarrow K^* \{0\}$. <i>Physical Review Letters</i> , 2021 , 126, 091802	7.4	1
42	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
41	Search for the rare decay $B \rightarrow \{0\} \{0\}^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
40	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
39	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
38	Measurement of the CP asymmetry in $B \rightarrow D$ and $B \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
37	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	1
36	Search for the radiative $\{X\}_b^-$ decay. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
35	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
34	Measurement of $\{1(3872)\}$ 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
33	Evidence for a New Structure in the J/ψ and J/ψ Systems in $B_s^0 \rightarrow \psi \overline{B}^0$ Decays. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0

32	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	○
31	First measurement of the (CP)-violating phase in $(B^0 \rightarrow J/\psi)(\phi)$ (e^+e^-)(ϕ) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	○
30	Observation of a (Λ_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	○
29	Measurement of the CKM angle Δ and $(B_s^0 \rightarrow \overline{B}_s^0)$ mixing frequency with $(B_s^0 \rightarrow D_s^{\pm} h^{\pm} p^{\pm} \pi^{\pm})$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
28	Observation of the decay $(\Lambda_{\text{charm}}^0) \rightarrow p \pi^-$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
27	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	○
26	Measurement of CP violation in the $(B_s^0 \rightarrow \phi \phi)$ decay and search for the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	○
25	Measurement of the CKM angle Δ in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^- K^+$ decays with $D \rightarrow (K_S^0) h^+ h^-$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
24	Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+)$ in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	○
23	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	○
22	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2021 , 127, 111801	7.4	○
21	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
20	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	○
19	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	○
18	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in p-Pb and pp Collisions at $\sqrt{s_{NN}}=5$ TeV.. <i>Physical Review Letters</i> , 2022 , 128, 142004	7.4	○
17	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	○
16	Simultaneous determination of CKM angle Δ and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
15	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	○

14	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
13	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
12	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
11	Study of charmonium and charmonium-like contributions in $B^+ \rightarrow J/\psi K^+$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
10	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
9	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
8	Observation of Two New Excited χ_{b0} States Decaying to $\chi_{b0} K^* \pi^+$. <i>Physical Review Letters</i> , 2022 , 128, 162001	7-4	○
7	Search for the decay $B^0 \rightarrow \eta' \pi^0$. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
6	Study of B_c^+ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	
5	Angular analysis of $(B^0 \rightarrow D^{*+} D_s^{*-})$ with $(D_s^{*+} \rightarrow D_s^+ \gamma)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	
4	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	
3	Observation of $\Lambda_b^0 \rightarrow \Lambda^0 p$ and $\Lambda_b^0 \rightarrow \Lambda^0 p \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	
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