

# Dipanwita Dutta

## 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.

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	Measurement of prompt charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	2
156	Study of $\{B\}_{c}^{+}$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
155	Search for the radiative $\{X\}_{b}^{-}$ decay. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
154	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
153	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 041801	7.4	2
152	Measurement of $\{B\}(3872)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
151	Evidence for a New Structure in the $J/\psi$ and $J/\psi$ Systems in $B_{s}^{0} \rightarrow J/\psi p$ Decays.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 062001	7.4	0
150	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> , <b>2022</b> , 2022, 1	5.4	0
149	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 082001	7.4	0
148	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> , <b>2022</b> , 2022, 1	5.4	1
147	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> , <b>2022</b> , 2022, 1	5.4	
146	Observation of $\{\Lambda\}_{b}^{0} \rightarrow p$ and $\{\Lambda\}_{b}^{0} \rightarrow p$ decays. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
145	Searches for rare $\{B\}_{s}^{0}$ and $B^0$ decays into four muons. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
144	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> , <b>2022</b> , 128, 142004	7.4	0
143	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> , <b>2022</b> , 82, 290	4.2	0
142	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> , <b>2022</b> , 2022, 1	5.4	0
141	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> , <b>2022</b> , 2022, 1	5.4	0

140	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> , <b>2022</b> , 2022, 1	5.4	0
139	Study of charmonium and charmonium-like contributions in $B^+ \rightarrow J/\psi K^+$ decays. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
138	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> , <b>2022</b> , 2022, 1	5.4	0
137	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> , <b>2022</b> , 2022, 1	5.4	0
136	Observation of Two New Excited $\chi_{c0}$ States Decaying to $\chi_{c0} K^+ \pi^+$ . <i>Physical Review Letters</i> , <b>2022</b> , 128, 162001	7.4	0
135	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
134	Search for the decay $B^0 \rightarrow \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
133	Angular analysis of the rare decay $(B_s^0 \rightarrow \mu^+ \mu^-)$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
132	First measurement of the (CP)-violating phase in $(B_s^0 \rightarrow J/\psi \ell^+ \ell^-)$ ( $\rightarrow (e^+ e^-)$ ) decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
131	Measurement of $J/\psi$ production cross-sections in pp collisions at $(\sqrt{s}) = 5$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
130	Branching Fraction Measurements of the Rare $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ and $B_{(s)}^0 \rightarrow \mu^+ \mu^- (1525)$ Decays. <i>Physical Review Letters</i> , <b>2021</b> , 127, 151801	7.4	5
129	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> , <b>2021</b> , 2021, 1	5.4	0
128	Observation of a New Excited $D_{(s)}^+$ Meson in $B^0 \rightarrow D^+ D^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2021</b> , 126, 122002	7.4	3
127	Observation of Multiplicity Dependent Prompt $\chi_{c1}(372)$ and $\chi_{c0}$ Production in pp Collisions. <i>Physical Review Letters</i> , <b>2021</b> , 126, 092001	7.4	4
126	Measurement of the CKM angle $\Delta \arg(B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0)$ mixing frequency with $(B_{(s)}^0 \rightarrow D_{(s)}^{\pm} h^{\pm} \pi^{\pm} \pi^{\mp})$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
125	Observation of the $(B_{(s)}^0 \rightarrow D^+ D^+)$ decay. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
124	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\pm} \text{jets})$ decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
123	Measurement of CP Violation in the Decay $B^+ \rightarrow K^+ \pi^0$ . <i>Physical Review Letters</i> , <b>2021</b> , 126, 091802	7.4	1

122	Observation of CP violation in two-body ( $B_{(s)}^0$ )-meson decays to charged pions and kaons. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
121	Measurement of CP observables in $B \rightarrow iD^{(*)}K$ and $B \rightarrow iD^{(*)}\pi$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
120	Search for the rare decay $B \rightarrow iJ/\psi^*$ . <i>Chinese Physics C</i> , <b>2021</b> , 45, 043001	2.2	1
119	Measurement of the branching fraction of the ( $B^0 \rightarrow D^+_{(s)} \pi^-$ ) decay. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
118	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , <b>2021</b> , 126, 161802	7.4	14
117	Observation of the decay ( $\Lambda_b^0 \rightarrow i\pi^0 p$ ). <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
116	Searches for 25 rare and forbidden decays of $D^+$ and ( $D^+_{(s)}$ ) mesons. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
115	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> , <b>2021</b> , 2021, 1	5.4	
114	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> , <b>2021</b> , 81, 488	4.2	5
113	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> , <b>2021</b> , 2021, 1	5.4	1
112	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> , <b>2021</b> , 2021, 1	5.4	3
111	Study of ( $B_{(s)}^0 \rightarrow iJ/\psi K$ ) decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
110	First Observation of the Decay $B_{(s)}^0 \rightarrow K^{*+} \pi^0$ and a Measurement of $ V_{ub} / V_{cb} $ . <i>Physical Review Letters</i> , <b>2021</b> , 126, 081804	7.4	7
109	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> , <b>2021</b> , 2021, 1	5.4	1
108	Measurement of the CKM angle $\phi_n$ in $B \rightarrow iDK$ and $B \rightarrow iD\pi$ decays with $D \rightarrow i(K_{(S)}^0) h^+ h^-$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
107	Search for long-lived particles decaying to ( $e^+ \mu^-$ ) ( $\mu^+ \mu^-$ ) ( $\nu$ ). <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
106	Observation of New Resonances Decaying to $J/\psi^+ \pi^-$ and $J/\psi$ . <i>Physical Review Letters</i> , <b>2021</b> , 127, 082001	7.4	11
105	Search for the doubly charmed baryon $\Xi_{cc}$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	0

104	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2021</b> , 127, 111801	7.4	0
103	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 800	4.2	7
102	Simultaneous determination of CKM angle $\bar{\lambda}$ and charm mixing parameters. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
101	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ in the $\Xi_{cc}^{+} \pi^{-} \pi^{+}$ final state. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
100	Updated search for $B_c^{+}$ decays to two charm mesons. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	
99	Constraints on the $K_S^0 \rightarrow \pi^{+} \pi^{-}$ Branching Fraction. <i>Physical Review Letters</i> , <b>2020</b> , 125, 231801	7.4	1
98	Model-Independent Study of Structure in $B^{+} D^{+} D^{-} K^{+}$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 125, 242001	7.4	25
97	Search for the Rare Decays $B_s^0 \rightarrow e^{+} e^{-}$ and $B^0 \rightarrow e^{+} e^{-}$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 211802	7.4	4
96	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^{\pm} \ell^{\pm} \ell^{\mp})$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12
95	Observation of New $\Xi_c^0$ Baryons Decaying to $\Xi_c^{+} K^{-}$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 222001	7.4	10
94	First Observation of Excited $\Xi_b^{\pm}$ States. <i>Physical Review Letters</i> , <b>2020</b> , 124, 082002	7.4	18
93	Measurement of the $(\Lambda_b^0)_{\perp}$ angular distribution and the $(\Lambda_b^0)$ polarisation in pp collisions. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
92	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \pi^{+} \pi^{-}$ Decay. <i>Physical Review Letters</i> , <b>2020</b> , 125, 011802	7.4	46
91	Measurement of CP observables in $B \rightarrow iDK$ and $B \rightarrow i\bar{D}$ with $D \rightarrow (K_{\mathcal{S}}^0 K^{\pm})$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
90	Precision measurement of the $(\chi_{cc}^{++})$ mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	11
89	Observation of Several Sources of CP Violation in $B^{+} \pi^{+} \pi^{+} \pi^{-}$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 031801	7.4	18
88	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4	4.2	61
87	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> , <b>2020</b> , 80, 1	4.2	9

86	Search for CP violation in $(\{\{\{\varXi\}\}^+_{c}) \rightarrow (p) \{\{K\}^-\} \{\{\pi\}^+\})$ decays using model-independent techniques. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
85	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \nu_{\mu}$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020,	5.4	1
84	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
83	Measurement of the shape of the $(B^0_{s^*} \rightarrow D^0_{s^*} \mu^+ \nu_{\mu})$ differential decay rate. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
82	Search for the lepton flavour violating decay $B^+ \rightarrow iK^+ \mu^+ \mu^-$ using $(B^0_{s2} \rightarrow \mu^+ \mu^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
81	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> , <b>2020</b> , 2020, 1	5.4	7
80	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	10
79	Search for the doubly heavy $(\Xi_{bc}^0)$ baryon via decays to $D^0 p K^0$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
78	Strong constraints on the $b \rightarrow i s \gamma$ photon polarisation from $B^0 \rightarrow i K^* 0 e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4
77	Search for the doubly charmed baryon $(\Xi_{cc}^+)$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	13
76	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 125, 212001	7.4	1
75	Precision measurement of the $(B_c^+)$ meson mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
74	Isospin Amplitudes in $B^0 \rightarrow i \ell^+ \ell^-$ and $B^0 \rightarrow i \ell^+ \ell^- D^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 111802	7.4	2
73	Measurement of $f_s/f_u$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , <b>2020</b> , 124, 122002	7.4	7
72	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow (J/\psi) K^+$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	15
71	Search for $A^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041801	7.4	60
70	Measurement of CP observables in the process $B^0 \rightarrow i D K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
69	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_{\mu})$ . <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	8

68	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \chi_{\text{c}1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	5
67	Measurement of the Charm-Mixing Parameter $y_{\text{CP}}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 011802	7-4	8
66	Search for CP Violation in $D_{\text{s}}^+ \rightarrow K_{\text{S}}^0 \pi^+$ , $D^+ \rightarrow K_{\text{S}}^0 K^+$ , and $D^+ \rightarrow \pi^+$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191803	7-4	2
65	Observation of $B_{\text{s}}^0 \rightarrow \mu^+ \mu^-$ Decays and Precision Measurements of the $B_{\text{s}}^0$ Masses. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191804	7-4	4
64	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 211803	7-4	51
63	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> , <b>2019</b> , 122, 222001	7-4	199
62	Observation of an Excited $B_{\text{c}}^+$ State. <i>Physical Review Letters</i> , <b>2019</b> , 122, 232001	7-4	18
61	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191801	7-4	137
60	Observation of the doubly Cabibbo-suppressed decay $\bar{D} \rightarrow c \rightarrow \mu^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
59	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152002	7-4	13
58	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
57	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132002	7-4	17
56	Study of the $B^0 \rightarrow \mu^+ \mu^- K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \mu^+ \mu^- (K^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
55	Measurement of the ratio of branching fractions of the decays $D^0 \rightarrow b \rightarrow \mu^+ \mu^-$ and $D^0 \rightarrow \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	1
54	Dalitz plot analysis of the $D^+ \rightarrow \mu^+ K^+ K^+$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	4
53	Amplitude analysis of $B^0 \rightarrow K^+ K^- S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	5
52	First Observation of the Radiative Decay $B_{\text{s}}^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 031801	7-4	7
51	Measurement of the branching fraction and (C)P asymmetry in $(B^+ \rightarrow J/\psi \rho^+)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	1

50	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2019</b> , 122, 231802	7.4	39
49	Near-threshold ( $\overline{\text{D}}\text{D}$ ) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	16
48	Amplitude analysis of the ( $\text{B}_{\text{s}}^0 \rightarrow \text{K}^{\text{ast } 0} \overline{\text{K}}^{\text{ast } 0}$ ) decays and measurement of the branching fraction of the ( $\text{B}^0 \rightarrow \text{K}^{\text{ast } 0} \overline{\text{K}}^{\text{ast } 0}$ ) decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	3
47	Observation of New Resonances in the $\text{B}^0 \rightarrow \text{K}^+ \text{K}^-$ System. <i>Physical Review Letters</i> , <b>2019</b> , 123, 152001	7.4	22
46	Updated measurement of time-dependent (CP)-violating observables in ( $\text{B}^0_{\text{s}} \rightarrow \text{J}/\psi \text{K}^+ \text{K}^-$ ) decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
45	Prompt $\text{B}_c$ production in pPb collisions at ( $\sqrt{s_{\text{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
44	A search for ( $\text{X}_{\text{cc}}^{++} \rightarrow \text{D}^+ \text{pK}^0$ ) decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
43	Measurement of CP violation in the ( $\text{B}_s^0 \rightarrow \text{phi phi}$ ) decay and search for the $\text{B}_0 \rightarrow \text{phi phi}$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	0
42	Search for the Lepton-Flavor-Violating Decays $\text{B}_{\text{s}}^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ and $\text{B}^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 211801	7.4	13
41	Search for Lepton-Flavor Violating Decays $\text{B}^+ \rightarrow \text{K}^+ \mu^+ \mu^- e^+$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 241802	7.4	8
40	Measurement of CP-Violating and Mixing-Induced Observables in $\text{B}_{\text{s}}^0 \rightarrow \text{D}^+ \text{D}^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 081802	7.4	2
39	Amplitude Analysis of $\text{B}^0 \rightarrow \text{K}^+ \text{K}^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231802	7.4	14
38	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 232001	7.4	3
37	Observation of Two Resonances in the $\text{B}^0 \rightarrow \text{K}^+ \text{K}^-$ Systems and Precise Measurement of $\text{B}^0$ and $\text{B}^*$ Properties. <i>Physical Review Letters</i> , <b>2019</b> , 122, 012001	7.4	29
36	Search for excited $\text{B} + \text{c}$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
35	Measurement of CP asymmetry in $\text{B}_0 \rightarrow \text{D}^+ \text{D}^- \text{K}^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
34	First measurement of the CP-violating phase ( $\text{phi}_{\text{s}}^{\text{d}}$ ) in $\text{B}_0 \rightarrow \text{K}^+ \text{K}^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
33	Measurement of the Lifetime of the Doubly Charmed Baryon $\text{X}_{\text{cc}}^{++}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 052002	7.4	44



32	Observation of a New $\Upsilon(4S)$ Resonance. <i>Physical Review Letters</i> , <b>2018</b> , 121, 072002	7.4	50
31	Evidence for the Rare Decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221803	7.4	8
30	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
29	Study of $\eta'$ production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
28	Search for beautiful tetraquarks in the $\eta(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
27	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4.2	3
26	Evidence for an resonance in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1019	4.2	26
25	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{\text{NN}}}=110$ GeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 222001	7.4	22
24	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
23	Measurement of $\eta'$ production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
22	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> , <b>2018</b> , 2018, 1	5.4	4
21	Observation of the decay $(\overline{B})_s^0 \rightarrow \chi_{c2}^+ K^-$ in the $\eta'$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	0
20	Search for a dimuon resonance in the $\eta'$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
19	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
18	Angular moments of the decay $B^0 \rightarrow \pi^+ \pi^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
17	Measurement of $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
16	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \pi^+$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 162002	7.4	54
15	Measurement of the CKM angle $\Gamma_{\text{sing}}$ using $B^0 \rightarrow DK$ with $D \rightarrow K^0 S \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9

14	Measurement of $D^0$ s production asymmetry in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
13	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> , <b>2018</b> , 121, 091801	7.4	8
12	Measurement of the $\Lambda_c^+$ Baryon Lifetime. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092003	7.4	12
11	Evidence for the decay ( $B^0 \rightarrow \overline{K}^{*0} \mu^+ \mu^-$ ). <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
10	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
9	Measurement of the CP asymmetry in $B^0 \rightarrow D^0$ and $B^0 \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	1
8	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
7	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
6	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> , <b>2017</b> , 2017, 1	5.4	21
5	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> , <b>2017</b> , 2017, 1	5.4	77
4	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , <b>2016</b> , 76, 155	4.2	250
3	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau$ leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
2	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> , <b>2013</b> , 2013, 1	5.4	261
1	Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	104