

David Hutchcroft

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.

267 papers	7,977 citations	46 h-index	74 g-index
277 ext. papers	9,232 ext. citations	4.9 avg, IF	2.03 L-index

#	Paper	IF	Citations
267	Test of lepton universality with $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
266	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
265	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
264	Angular analysis of the $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decay using 3 fb ⁻¹ of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
263	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
262	Evidence for CP violation in time-integrated $D^0 \rightarrow h^+ h^-$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
261	Strong constraints on the rare decays $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
260	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{(*)} \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
259	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
258	Performance of the LHCb Vertex Locator. <i>Journal of Instrumentation</i> , 2014 , 9, P09007-P09007	1	129
257	Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
256	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
255	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
254	Observation of Λ_b . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
253	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
252	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow h^+ h^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
251	Measurement of Λ_b polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87

250	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \pi^+ \pi^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
249	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	86
248	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
247	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	78
246	Observation of CP violation in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
245	Study of D J meson decays to $D^+ \pi^0$ and $D^{*+} \pi^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
244	Observation of excited $(\Lambda_b)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
243	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \pi^+ \pi^-$ and $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
242	First observation of $B_s^0 \rightarrow \pi^0 \pi^0$ (980) decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
241	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
240	Differential branching fraction and angular analysis of the $B \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
239	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
238	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
237	Inclusive W and Z production in the forward region at $(\sqrt{s} = 7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
236	Measurement of the isospin asymmetry in $B \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
235	Analysis of the resonant components in $B \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
234	Production of J/ψ and (Υ) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
233	Search for the rare decays $B_s^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58

232	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 241-248	4.2	55
231	Determination of the sign of the decay width difference in the B(s)(0) system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
230	Search for the X(4140) state in $B^+ \rightarrow \pi^0 K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
229	Measurements of B(c)+ production and mass with the B(c)+ $\rightarrow \pi^0 \pi^+$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
228	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	51
227	First observation of the decay $B(c)^+ \rightarrow \pi^0 \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
226	Precision measurement of the $B_0^s \rightarrow B^0$ oscillation frequency with the decay $B_0^s \rightarrow \pi^0 \pi^0$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
225	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
224	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^-$ decays and the $B^0 \rightarrow \pi^+ \pi^- (892)^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
223	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
222	Searches for Majorana neutrinos in B^0 decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
221	Observation of $B_c^+ \rightarrow \pi^0 D_s^+$ and $B_c^+ \rightarrow \pi^0 D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
220	Measurement of B meson production cross-sections in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
219	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
218	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
217	First evidence of direct CP violation in charmless two-body decays of B_s^0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7.4	43
216	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
215	Measurement of the $B_s^0 \rightarrow B^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s(B)^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42

214	Measurement of the exclusive Λ production cross-section in pp collisions at ($\sqrt{s}=7$) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
213	Measurement of the ratio of prompt Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
212	First observation of the decay $B_s^{*2}(5840)(0)^0 \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
211	Measurement of the $[B_s^{*2}(5840)(0)^0]$ production cross-section in proton-proton collisions via the decay $[B_s^{*2}(5840)(0)^0] \rightarrow B^{*+} K^-$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
210	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
209	Measurements of the $B^0 \rightarrow \Lambda^0 \bar{K}^0$ decay amplitudes and the B^0 polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
208	Measurement of the cross-section ratio $\sigma(B^0 \rightarrow \Lambda^0 \bar{K}^0) / \sigma(B^0 \rightarrow \Lambda^0 \pi^0)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
207	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
206	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \Lambda^0 \bar{K}^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
205	First search for $K^{*+} \rightarrow \Lambda^0 \pi^+$ using the decay-in-flight technique. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 156-166	4.2	38
204	First observation of the decay ($B_c^{*+} \rightarrow [J/\psi \text{ left/} \{\{\psi \{K^+\}\}\} \text{ right.}]$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
203	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
202	Measurement of $[B_s^{*2}(5840)(0)^0]$ polarisation in $[B_s^{*2}(5840)(0)^0]$ collisions at $[B_s^{*2}(5840)(0)^0] = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
201	First observation of the decay $B^+ \rightarrow \Lambda^0 \pi^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
200	Search for lepton number violating decays $B^+ \rightarrow \Lambda^0 \ell^+ \ell^-$ and $B^+ \rightarrow \Lambda^0 \ell^+ \ell^- \ell^+$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
199	Measurement of the CP violating phase ϕ_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34
198	Study of the $D^0 \rightarrow p \bar{K}^0$ amplitude in $D^0 \rightarrow p \bar{K}^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
197	Measurement of the Λ polarisation in $B^0 \rightarrow \Lambda^0 \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33

196	Search for heavy neutral lepton production in K^+ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 778, 137-145	4.2	32
195	Measurement of the relative rate of prompt Υ_0 , Υ_1 and Υ_2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
194	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
193	Measurement of the CP-violating phase α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
192	Measurement of the α_2 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
191	Study of the kinematic dependences of $\Upsilon \rightarrow b \bar{b}$ production in pp collisions and a measurement of the $\Upsilon \rightarrow b \bar{b} c \bar{c}$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
190	Search for $D(s)^+ \rightarrow \pi^+ \pi^+ \pi^-$ and $D(s)^+ \rightarrow \pi^+ \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
189	Observation of the $\Upsilon \rightarrow b \bar{b} \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
188	Search for the rare decays $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
187	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^0 \pi^0)/B(B^0 \rightarrow \pi^0 \pi^0)$ and the direct CP asymmetry in $B^0 \rightarrow K^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
186	Search for direct CP violation in $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
185	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=2.76 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	28
184	Observation of the decay $B_c^+ \rightarrow \pi^+ (D^0 S)^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
183	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
182	Addendum: Observation of double charm production involving open charm in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
181	Study of (\varUpsilon) production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
180	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
179	Measurement of the phase difference between short- and long-distance amplitudes in the $[B \rightarrow \pi^0 \pi^0]$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25

178	First measurement of time-dependent CP violation in ($B_s^0 \rightarrow \{K^+\}\{K^-\}$) decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
177	Evidence for the decay $B^0 \rightarrow \pi^0 \pi^0$ and measurement of the relative branching fractions of B_s^0 meson decays to $J/\psi \pi^0$ and $J/\psi \pi^\pm$. <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
176	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
175	First observation of $B^0 \rightarrow D_s^{*2} + X$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 14-20	4.2	25
174	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
173	Measurement of charged particle multiplicities in pp collisions at ($\sqrt{s}=7 \sim 13$ TeV) in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
172	Study of $D^0 \rightarrow J/\psi K_S^0$ and $D^0 \rightarrow K^+ K^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
171	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
170	Measurement of prompt hadron production ratios in pp collisions at ($\sqrt{s}=0.9$ and $7 \sim 13$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
169	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B^0 \rightarrow \pi^- K^+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
168	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
167	Search for the lepton flavour violating decay $B^0 \rightarrow \mu^\pm \tau^\mp$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
166	First observation of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
165	Measurement of the $B^0 \rightarrow \pi^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22
164	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
163	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	22
162	Observation of $B^0 \rightarrow \pi^0 K^+ K^-$ and evidence for $B(s) \rightarrow \pi^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
161	Forward production of Λ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21

160	Measurement of the CP asymmetry in $B(0) \rightarrow K^{*0}(\pi^+\pi^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
159	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
158	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text] TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
157	Observation of the decay $(B_c^{+}) \rightarrow \ell/\bar{\ell} + K^{\pm}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
156	Angular analysis of the $B^0 \rightarrow K^{*0}e^+e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	20
155	Study of forward Z + jet production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	20
154	A model-independent Dalitz plot analysis of $B \rightarrow \pi\pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
153	Measurements of the branching fractions for $B(s) \rightarrow D(s)\ell\bar{\ell}$ and $B^0 \rightarrow B^+\ell\bar{\ell}$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
152	Search for production of an invisible dark photon in B decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	19
151	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
150	Application of vertex and mass constraints in track-based alignment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 712, 48-55	1.2	19
149	Measurement of the CKM angle ϕ_1 using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow K^0 S^{\pm} \rightarrow \pi^0 K^0 S^{\pm} + K^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
148	Measurement of the B^{\pm} production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
147	Measurements of the branching fractions and CP asymmetries of $B^{\pm} \rightarrow \ell^{\pm}\bar{\ell}$ and $B^{\pm} \rightarrow \ell^{\pm}S^{\pm}$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
146	First observations of $B \rightarrow D^*D$ and D^*D decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
145	Search for heavy neutral lepton production in K^+ decays to positrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 807, 135599	4.2	19
144	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{S}}^0 \pi^{\pm})$ and $(K_{\text{S}}^0 \pi^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
143	Angular analysis of charged and neutral $B \rightarrow K^* \ell \bar{\ell}$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18

142	Measurement of relative branching fractions of decays to (2) and $/$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
141	Measurement of the inclusive γ cross-section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 267-273	4.2	18
140	Measurement of the forward energy flow in collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
139	Measurement of forward $Z \rightarrow e^+e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17
138	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
137	Measurement of the fraction of $B(1S)$ originating from $B(1P)$ decays in pp collisions at $(\sqrt{s}=7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
136	Search for CP violation in $D^+ \rightarrow K^+ K^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
135	Measurement of the $B_s^0 \rightarrow \mu^+ \mu^-$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
134	Observations of $B \rightarrow b \rightarrow K^+ K^-$ and $B \rightarrow b \rightarrow K^+ K^-$ decays and searches for other $B \rightarrow b$ and $B \rightarrow b$ decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
133	Angular moments of the decay $B \rightarrow K^+ K^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
132	Evidence for the decay $(\text{B})_{\text{c}}^+ \rightarrow \left(\frac{1}{\sqrt{2}} (\psi_3 \psi_1^+ + \psi_2 \psi_1^-) \right) \text{right.}$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
131	Measurement of the effective $B_s^0 \rightarrow K^+ K^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
130	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
129	Observations of γ . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
128	Observation of $B(s)(0) \rightarrow J/\psi(2)'(1525)$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
127	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
126	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^+ e^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
125	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15

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45	Measurement of the ratio of branching fractions $(\mathcal{B}(\overline{B} \rightarrow D^0 K^0) / \mathcal{B}(\overline{B} \rightarrow D^0 K^0))$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
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43	Measurement of CP asymmetry in $B^0 \rightarrow D^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
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