

David Hutchcroft

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4394571/david-hutchcroft-publications-by-year.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
266	The HEV Ventilator: at the interface between particle physics and biomedical engineering.. <i>Royal Society Open Science</i> , 2022 , 9, 211519	3.3	0
265	First measurement of the (CP)-violating phase in $\{B^0_s\} \rightarrow \{J/\psi\} (e^+e^-)(\phi)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
264	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^-)$, (jet) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
263	Search for the rare decay $B^0 \rightarrow h/\eta^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
262	Search for K^+ decays to a muon and invisible particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 816, 136259	4.2	7
261	Search for long-lived particles decaying to $(e^+ \mu^-)$, $(\mu^+ \mu^-)$, (ν) . <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
260	Readout firmware of the Vertex Locator for LHCb Run 3 and beyond. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 1-1	1.7	
259	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
258	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s} = 13)$ (TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
257	Search for CP violation in $(\chi_c^+ \rightarrow p \bar{K}^0 \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
256	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
255	Searches for lepton number violating K^+ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134794	4.2	13
254	Search for production of an invisible dark photon in η decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	19
253	First search for $K^+ \rightarrow \pi^0$ 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
252	Observation of the doubly Cabibbo-suppressed decay $B^0 \rightarrow c \bar{c} \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
251	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

250	Study of the $B^0 \rightarrow K^{*0} K^0$ decay with an amplitude analysis of $B^0 \rightarrow K^{*0} K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
249	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
248	Dalitz plot analysis of the $D^+ \rightarrow K^0 K^+ K^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
247	Prompt B^0 production in pPb collisions at $(\sqrt{s_{\text{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
246	Search for excited B^0 states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
245	Measurement of CP asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
244	Search for the lepton-flavour violating decays $B^0 \rightarrow \ell^+ \ell^- \pi^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
243	First measurement of the CP-violating phase (ϕ_s^{d}) in $B^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
242	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 1127-1132	1.7	1
241	Measurement of branching fractions of charmless four-body B^0 and B^0 decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
240	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
239	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
238	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
237	Mapping the material in the LHCb vertex locator using secondary hadronic interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P06008-P06008	1	10
236	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
235	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
234	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
233	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

232	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
231	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$) in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	0
230	Search for a dimuon resonance in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
229	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4-2	11
228	Angular moments of the decay $B \rightarrow \mu^+ \mu^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	17
227	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
226	Measurement of the CKM angle α using $B \rightarrow DK$ with $D \rightarrow K^0 S \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
225	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
224	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
223	Observation of the decay $B \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
222	Measurement of the CP asymmetry in $B \rightarrow D^0$ and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	1
221	Search for CP violation using triple product asymmetries in $B \rightarrow \mu^+ \mu^- K^0$ and $B \rightarrow \mu^+ \mu^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
220	NA62 and NA48/2 results on search for Heavy Neutral Leptons. <i>EPJ Web of Conferences</i> , 2018 , 179, 01009.3		
219	First observation of $B^+ \rightarrow \mu^+ K^0$ decays and a search for $B^+ \rightarrow \mu^+ \chi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
218	Measurement of CP violation in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
217	Measurement of the phase difference between short- and long-distance amplitudes in the [<i>Formula: see text</i>] decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4-2	25
216	Study of the $D^0 \rightarrow \mu^+ \mu^-$ amplitude in $B \rightarrow D^0 \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	33
215	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4-2	35

214	Search for $K^+ \rightarrow \pi^0 \ell^+ \nu_\ell$ at NA62. <i>Nuclear and Particle Physics Proceedings</i> , 2017 , 282-284, 101-105	0.4	
213	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}})=5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
212	Study of charmonium production in π -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
211	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
210	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow \pi^0 \ell^+ \nu_\ell$ and $B^+ \rightarrow \pi^+ \ell^+ \nu_\ell$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
209	Search for the $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
208	Recent results and prospects for NA62 experiment. <i>Nuclear and Particle Physics Proceedings</i> , 2017 , 285-286, 104-109	0.4	1
207	Observation of the suppressed decay $B^0 \rightarrow \pi^0 \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
206	Test of lepton universality with $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
205	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
204	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
203	Evidence for the two-body charmless baryonic decay $(\Lambda_b^+ \rightarrow \overline{\Lambda}^0 \pi^+)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
202	Resonances and CP violation in $B^0 \rightarrow J/\psi K^+ K^-$ decays in the mass region above the $\phi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
201	Study of $(\overline{b}b)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
200	Measurement of CP observables in $B^0 \rightarrow D^+ K^-$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
199	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
198	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
197	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

196	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	6
195	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^* K^0$ in the $K^*0,2(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
194	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
193	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
192	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
191	First observation of the decay $B^0 \rightarrow K^* K^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
190	Observation of the $B^0 \rightarrow h^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
189	Prospects for $K^* \rightarrow \pi^0 \pi^0$ observation at CERN in NA62. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 270-272, 55-61	0-4	
188	Angular analysis of the $B^0 \rightarrow K^* K^0$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
187	Bayesian Decays at LHCb. <i>Journal of Physics: Conference Series</i> , 2016 , 770, 012014	0-3	
186	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
185	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
184	Observations of $D^0 \rightarrow K^* K^0$ and $D^0 \rightarrow K^* K^0$ decays and searches for other D^0 b and D^0 b decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
183	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
182	Observation of $D^0 \rightarrow K^* K^0$ and $D^0 \rightarrow K^* K^0$ decays and a measurement of the D^0 b baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
181	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
180	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
179	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(\text{B}^0 \rightarrow \text{J}/\psi \text{K}^0)}{\mathcal{B}(\text{B}^0 \rightarrow \text{J}/\psi \text{K}^*)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5

178	Measurement of forward W - $t\bar{t}$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
177	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
176	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays and the $B^0 \rightarrow K^+ K^- (892)^0 \pi^+ \pi^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	48
175	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow DK^{*0}$ decays with $D \rightarrow K^0 S \pi^+ \pi^-$ and $K^0 S \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	6
174	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4-2	26
173	Measurement of the $Z+b$ -jet cross-section in pp collisions at (\sqrt{s}) = 7 TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	7
172	Search for the lepton flavour violating decay $\tau \rightarrow \mu \gamma$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
171	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^{*2}(5747)^{0,+}$ states and observation of $B^{+}, 0^+$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	14
170	Measurement of the $[B_s \rightarrow K^+ K^- \pi^+ \pi^-]$ production cross-section in proton-proton collisions via the decay $[B_s \rightarrow K^+ K^- \pi^+ \pi^-]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4-2	41
169	Measurement of CP asymmetries and polarisation fractions in ($\{B\}_s^0 \rightarrow \{K\}^{\pm} \pi^{\mp}$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
168	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
167	Search for the $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
166	Measurement of the exclusive Γ 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
165	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
164	Forward production of Γ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
163	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
162	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	4
161	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11

160	Measurement of CP violation parameters and polarisation fractions in ($\mathrm{B}_{\mathrm{s}}^0 \rightarrow \mathrm{J}/\psi \overline{\mathrm{K}}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
159	Measurement of forward Z $\rightarrow \ell^+ \ell^-$ production at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17
158	Search for the decay ($\mathrm{B}_{\mathrm{s}}^0 \rightarrow \overline{\mathrm{D}}^0 \mathrm{f}_0(980)$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
157	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
156	Prospects for observation at CERN in NA62. <i>Journal of Physics: Conference Series</i> , 2015 , 631, 012041	0.3	
155	Angular analysis and differential branching fraction of the decay $\mathrm{B}^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
154	Measurement of the inelastic pp cross-section at a centre-of-mass energy of (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
153	Angular analysis of the $\mathrm{B}^0 \rightarrow \mathrm{K}^* \ell^+ \ell^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	20
152	Determination of the branching fractions of $\mathrm{B}^0 \rightarrow \mathrm{D}^+ \mathrm{S}^- \mathrm{K}^0$ and $\mathrm{B}^0 \rightarrow \mathrm{D}^+ \mathrm{S}^- \mathrm{K}^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	5
151	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4.2	8
150	Study of J/ ψ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
149	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
148	Searches for (Λ_{b}^0) and (Ξ_{b}^0) decays to ($\mathrm{K}_{\mathrm{S}}^0 \mathrm{p} \pi^+$) and ($\mathrm{K}_{\mathrm{S}}^0 \mathrm{p} \pi^0$) final states with first observation of the ($\Lambda_{\mathrm{b}}^0 \rightarrow \mathrm{K}_{\mathrm{S}}^0 \mathrm{p} \pi^+$) decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
147	Measurement of polarization amplitudes and CP asymmetries in $\mathrm{B}^0 \rightarrow \mathrm{K}^* (892)^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
146	Angular analysis of charged and neutral $\mathrm{B} \rightarrow \mathrm{K}^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
145	Evidence for the decay ($\mathrm{B}_{\mathrm{c}}^+ \rightarrow \mathrm{J}/\psi \ell^+ \ell^-$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
144	Differential branching fractions and isospin asymmetries of $\mathrm{B} \rightarrow \mathrm{K}^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
143	Measurement of CP asymmetry in $\mathrm{D}^0 \rightarrow \mathrm{K}^+ \mathrm{K}^-$ and $\mathrm{D}^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42

142	Study of (χ_{c0}) 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
141	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
140	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
139	Study of the kinematic dependences of B^0 production in pp collisions and a measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	30
138	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15
137	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4-2	35
136	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
135	Performance of the LHCb Vertex Locator. <i>Journal of Instrumentation</i> , 2014 , 9, P09007-P09007	1	129
134	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
133	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	8
132	First observations of the rare decays $B^+ \rightarrow K^+ \pi^0$ and $B^+ \rightarrow K^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	7
131	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
130	Measurement of the CKM angle α using $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ S^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	19
129	Measurement of CP asymmetry in $B^0 \rightarrow D^+ S^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	10
128	Measurement of the forward W boson cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	14
127	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
126	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
125	Search for CP violation in $D^+ \rightarrow \pi^+ \pi^0$ and $(D_s^{*+} \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14

124	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	48
123	Production of J/ψ and (χ_{c0}) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
122	Measurement of the $B^0 \rightarrow K^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22
121	Limits on neutral Higgs boson production in the forward region in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	4
120	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
119	Measurement of CP observables in $B^0 \rightarrow DK^0$ with $D \rightarrow K + K$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
118	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
117	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
116	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
115	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
114	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
113	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
112	Search for $D(s) \rightarrow \pi^0 \pi^0$ and $D(s) \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
111	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
110	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
109	Measurement of the relative rate of prompt χ_{c0} , χ_{c1} and χ_{c2} production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
108	Study of D J meson decays to $D^+ \pi^0 \pi^0$ and $D^{*+} \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
107	First observation of the decay $(B_c^+ \rightarrow [J/\psi \left(\psi [K^+] \right)])$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36

106	Searches for $(B_{(s)}^0 \rightarrow J/\psi p) \overline{p}$ and $B^+ \rightarrow J/\psi p$ (\overline{p}) \rightarrow decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
105	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
104	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
103	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
102	Search for the doubly charmed baryon (Ξ_{cc}^{++}) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
101	Measurement of ρ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
100	Observation of the decay $(B_c^{++}) \rightarrow J/\psi + K^+ \pi^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
99	First observation of the decay $(B_s^0 \rightarrow \phi \overline{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
98	First evidence for the decay $B(s)(0) \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
97	Search for the rare decay $(K_{\text{S}}^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
96	A study of the Z production cross-section in pp collisions at $(\sqrt{s}=7, \text{TeV})$ using tau final states. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
95	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* \pi^0)/B(B^0 \rightarrow \pi^+ \pi^-)$ and the direct CP asymmetry in $B^0 \rightarrow K^* \pi^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
94	Observation of the suppressed ADS modes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 44-53	4.2	14
93	Measurement of the $B^0 \rightarrow \pi^0$ oscillation frequency Γ_{d} with the decays $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
92	Search for direct CP violation in $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
91	Measurements of the $B^0 \rightarrow \pi^+ \pi^-$ 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
90	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
89	Evidence for the decay $B^0 \rightarrow \pi^+ \pi^-$ and measurement of the relative branching fractions of B_s^0 meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25

88	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
87	Observations of Λ . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
86	Measurement of the Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
85	Precision measurement of the B^0 \overline{B}^0 oscillation frequency with the decay $B^0 \rightarrow D^+ D^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
84	Measurement of CP violation and the B^0 meson decay width difference with $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
83	First observations of $B^0 \rightarrow D^+ D^-$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
82	First measurement of the CP-violating phase in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
81	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
80	Search for the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
79	Observation of the decay $B_c^+ \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
78	Observation of $B_c^+ \rightarrow \pi^+ \pi^-$ and $B_c^+ \rightarrow \pi^+ \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
77	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
76	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
75	Search for rare $B(0) \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
74	Radiation damage in the LHCb vertex locator. <i>Journal of Instrumentation</i> , 2013 , 8, P08002-P08002	1	14
73	Observation of Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
72	Measurement of the effective $B^0 \rightarrow K^+ K^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
71	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

70	Search for the rare decays . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
69	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
68	First observation of the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
67	Measurement of the $B_s^0 \rightarrow B^0 \mu^+ \mu^-$ oscillation frequency Γ_{hs} in $B_s^0 \rightarrow B^0 \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
66	Observation of CP violation in $B^0 \rightarrow D^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
65	Measurement of charged particle multiplicities in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
64	Observation of X(3872) production in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
63	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
62	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
61	Measurement of the B^0 production cross-section in pp collisions at $(\sqrt{s}) = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
60	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^+ \mu^- K^0$ and $B_s^0 \rightarrow D_s^- \mu^+ K^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
59	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
58	Measurement of the isospin asymmetry in $B \rightarrow K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
57	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
56	Study of D^0 decays to $D^+ K^-$ and $D^0 K^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
55	Measurement of the fraction of $\Lambda(1520)$ 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
54	First observation of the decay $B \rightarrow K^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
53	Rare decays at LHCb. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012 , 233, 145-150		

52	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
51	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow h/B$ and $B^0 \rightarrow (2S)B$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
50	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
49	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^*0)/B(B_s^0 \rightarrow K^*0)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
48	Searches for Majorana neutrinos in B^0 decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
47	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
46	Measurement of the α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
45	Measurement of the α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
44	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
43	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
42	Measurement of the cross-section ratio $\sigma(B^0 \rightarrow \pi^+ \pi^-)/\sigma(B^0 \rightarrow \pi^0 \pi^0)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
41	Measurement of (2) meson production in collisions at $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
40	Measurement of relative branching fractions of decays to (2) and $/$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
39	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
38	Measurement of the effective α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
37	A model-independent Dalitz plot analysis of $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
36	Measurement of the ratio of prompt $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
35	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

34	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
33	First observation of the decay $B(c)^+ \rightarrow h/\ell^+ \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
32	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^*0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
31	Measurement of the $B[\chi(s)(0)]$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
30	First observation of the decays $B(0) \rightarrow D^+(+)K(-)\ell^+(\ell)^+$ and $B(-) \rightarrow D(0)K(-)\ell^+(\ell)^+$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
29	Observation of excited $\chi(b)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
28	Analysis of the resonant components in $B[\chi s(0) \rightarrow h/\ell^+ \pi^0]$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
27	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
26	Measurement of the $Bs(0) \rightarrow h/\ell^+ \pi^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
25	Strong constraints on the rare decays $B(s)(0) \rightarrow h/\ell^+ \pi^0$ and $B^0 \rightarrow h/\ell^+ \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
24	Search for lepton number violating decays $B^+ \rightarrow h/\ell^+ \pi^0$ and $B^+ \rightarrow K^- \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
23	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow h/\ell^+ \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
22	Search for the $X(4140)$ state in $B^+ \rightarrow h/\ell^+ K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
21	First observation of the decays $B[\chi(s)0] \rightarrow Ds^+ K^0$ and $B[\chi s(0)] \rightarrow Ds^1(2536) + \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
20	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow h/\ell^+ \pi^0$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
19	Observation of $B^0 \rightarrow D^0(0)K(+)K(-)$ and evidence for $B(s)(0) \rightarrow D^0(0)K(+)K(-)$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
18	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow h/\ell^+ \pi^0$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	2
17	Observation of $B(s)(0) \rightarrow h/\ell^+ \pi^0(1525)$ in $J/\psi \rightarrow K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16

16	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7\text{ TeV})$ 2012 , 2012, 1		2
15	Measurement of the inclusive π^0 cross-section in pp collisions at $\sqrt{s} = 7\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 267-273	4.2	18
14	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> , 2011 , 706, 32-39	4.2	14
13	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=7)\text{ TeV}$. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
12	Measurement of V_0 production ratios in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	12
11	Search for CP violation in $D^+ \rightarrow K^0 \pi^+$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
10	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
9	First observation of $B^0 \rightarrow D^0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
8	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
7	Measurements of the branching fractions for $B(s) \rightarrow D(s) \pi$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
6	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B^0 \rightarrow D^- K^+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
5	First spatial alignment of the LHCb VELO and analysis of beam absorber collision data. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 618, 108-120	1.2	7
4	First LHC beam induced tracks reconstructed in the LHCb VELO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 604, 1-4	1.2	7
3	Measurements of π^0 at the B-Factories. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2007 , 167, 155-158		
2	First results of an aging test of a full scale MWPC prototype for the LHCb muon system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 515, 220-225	1.2	3
1	High-level triggers in ATLAS. <i>IEEE Transactions on Nuclear Science</i> , 2002 , 49, 377-382	1.7	0