

# Marco Gersabeck

## 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.

367  
papers

10,329  
citations

49  
h-index

85  
g-index

385  
ext. papers

12,512  
ext. citations

5.3  
avg, IF

3.09  
L-index

#	Paper	IF	Citations
367	Observation of $J/\psi$ Resonances Consistent with Pentaquark States in $[b^0-\psi/\bar{K}^0]p$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 072001	7.4	580
366	Test of lepton universality using $b \rightarrow c \ell \bar{\nu}_\ell$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
365	Measurement of the ratio of branching fractions $B(B \rightarrow \psi^0 \bar{D}^{*+} \bar{\nu}_\ell) / B(B \rightarrow \psi^0 \bar{D}^{*+} \bar{\nu}_\tau)$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 111803	7.4	316
364	Averages of b-hadron, c-hadron, and ( $\tau$ )-lepton properties as of summer 2016. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	310
363	Test of lepton universality with $B^0 \rightarrow \bar{K}^{*0} \ell^+ \bar{\nu}_\ell$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	298
362	Observation of the resonant character of the $Z(4430)(-)$ state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
361	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , <b>2013</b> , 110, 222001	7.4	234
360	Angular analysis of the $B^0 \rightarrow \bar{K}^{*0} \ell^+ \bar{\nu}_\ell$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	232
359	Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101805	7.4	221
358	Differential branching fractions and isospin asymmetries of $B \rightarrow \bar{K}^{*0} \ell^+ \bar{\nu}_\ell$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	142
357	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \bar{K}^{*0} \ell^+ \bar{\nu}_\ell$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	138
356	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	116
355	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	105
354	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \bar{K}^{*0} \ell^+ \bar{\nu}_\ell$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	99
353	Observation of $J/\psi$ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \psi^0 \bar{K}^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 022003	7.4	98
352	Evidence for Exotic Hadron Contributions to $[b^0-\psi/\bar{K}^0]$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082003	7.4	91
351	Measurement of $\lambda$ / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2631	4.2	87

350	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \mu^+ \mu^-)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	86
349	Model-Independent Evidence for $J/\psi$ Contributions to $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082002	7.4	85
348	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	78
347	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , <b>2013</b> , 110, 221601	7.4	78
346	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131802	7.4	70
345	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	70
344	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \mu^+ \mu^-$ and $B^0 \rightarrow K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101801	7.4	70
343	Study of $D^0$ meson decays to $D^+ D^-$ and $D^* D$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	69
342	Averages of b-hadron, c-hadron, and $(\tau)$ -lepton properties as of 2018. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	68
341	Measurement of CP violation and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \mu^+ \mu^-$ and $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	66
340	First observation of $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 115-122	4.2	66
339	Measurements of prompt charm production cross-sections in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	65
338	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^*(0) \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 161802	7.4	65
337	Study of the production of $\Lambda$ and $\Lambda_c$ hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , <b>2016</b> , 40, 011001	2.2	65
336	Differential branching fraction and angular analysis of the $B^+ \rightarrow \mu^+ K^0$ decay. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	63
335	Measurement of CP violation in the phase space of $B^0 \rightarrow K^+ K^- \mu^+ \mu^-$ and $B^0 \rightarrow K^0 K^0 \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 011801	7.4	61
334	Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 162001	7.4	61
333	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	60

332	Analysis of the resonant components in $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	59
331	Production of $J/\psi$ and $(\chi_{c0,1,2})$ mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	58
330	Observation of the decay $B(c)(+) \rightarrow B(s)(0) \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 181801	7.4	55
329	Determination of the sign of the decay width difference in the $B(s)(0)$ system. <i>Physical Review Letters</i> , <b>2012</b> , 108, 241801	7.4	55
328	Differential branching fraction and angular analysis of $B \rightarrow b \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	54
327	Measurement of resonant and CP components in $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	54
326	Precision measurement of CP violation in $B(S)(0) \rightarrow \mu^+ \mu^- K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
325	Dalitz plot analysis of $B^0 \rightarrow D^0 \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	53
324	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow \mu^+ \mu^-$ decay. <i>Physical Review Letters</i> , <b>2012</b> , 109, 232001	7.4	53
323	Measurement of the resonant and CP components in $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	52
322	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5.4	51
321	First observation of the decay $B(c)^+ \rightarrow \mu^+ \mu^- \tau^+ \tau^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 251802	7.4	50
320	Precision measurement of the $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ oscillation frequency with the decay $B_{(s)}^0 \rightarrow D \mu^+ \mu^-$ . <i>New Journal of Physics</i> , <b>2013</b> , 15, 053021	2.9	49
319	Analysis of the resonant components in $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	49
318	Measurements of the S-wave fraction in $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$ decays and the $B^0 \rightarrow \mu^+ \mu^- (892)0^+ K^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	48
317	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	47
316	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	47
315	Searches for Majorana neutrinos in $B \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	47

314	Observation of $B_c^{+0}/D_s^{+}$ and $B_c^{+0}/D_s^{*+}$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	46
313	Measurement of B meson production cross-sections in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	45
312	Amplitude analysis of $B \rightarrow D^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	45
311	Precision measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 734, 122-130	4.2	43
310	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> , <b>2013</b> , 2013, 1	5.4	43
309	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	42
308	Measurement of the $B_s^0 \rightarrow B^0$ oscillation frequency $\Delta m_s$ in $B_s^0 \rightarrow D_s(B) \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 177-184	4.2	42
307	Measurement of the exclusive $\Upsilon$ production cross-section in pp collisions at ( $\sqrt{s}=7$ ) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
306	Measurement of the [Formula: see text] production cross-section in proton-proton collisions via the decay [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 311	4.2	41
305	Search for the doubly charmed baryon ( $\Xi_{cc}^{++}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	41
304	Measurements of the $B^0 \rightarrow \ell^+ \ell^-$ decay amplitudes and the $B^0$ polarisation in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 27-35	4.2	41
303	First observation of the decay ( $B_c^{+0} \rightarrow \{J/\psi \{K^+ \}\}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	36
302	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 224	4.2	35
301	Measurement of $B_c^+$ Production in Proton-Proton Collisions at ( $\sqrt{s}=8$ ) TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 132001	7.4	35
300	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2872	4.2	35
299	Observation of two new $(b)(-)$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
298	Search for lepton number violating decays $B^+ \rightarrow \ell^+ \mu^+ \mu^-$ and $B^+ \rightarrow \ell^+ K^- \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 101601	7.4	35
297	Quantum numbers of the X(3872) state and orbital angular momentum in its $DJ/\psi$ decay. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	34

296	Measurement of $D^0$ - $\bar{D}^0$ mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 251801	7.4	34
295	Study of the $D^0 \rightarrow p$ amplitude in $D^0 \rightarrow b \rightarrow \bar{D}^0 \rightarrow p$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	33
294	Measurement of the CP-violating phase $\gamma$ in $B_{(s)}^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 186-195	4.2	33
293	Measurement of the CKM angle $\Gamma$ from a combination of $B_{(s)}^0 \rightarrow \bar{D}^0 h$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 151-163	4.2	33
292	Measurement of the [Formula: see text] meson lifetime using [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2839	4.2	32
291	Precision measurement of the $\bar{B}(0)$ baryon lifetime. <i>Physical Review Letters</i> , <b>2013</b> , 111, 102003	7.4	32
290	Amplitude analysis and branching fraction measurement of $B_{(s)}^0 \rightarrow \bar{K}^+ K^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	32
289	Measurement of the relative rate of prompt $\bar{t}0$ , $\bar{t}1$ and $\bar{t}2$ production at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	31
288	Measurement of the forward Z boson production cross-section in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	31
287	Study of the kinematic dependences of $D^0$ b production in pp collisions and a measurement of the $D^0 \rightarrow b \rightarrow \bar{D}^0 c$ branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
286	Search for $D(s)^+ \rightarrow \bar{D}^0 \pi^+$ and $D(s)^+ \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 203-212	4.2	30
285	First observation and amplitude analysis of the $B_{(s)}^0 \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	30
284	Precision measurement of the mass and lifetime of the $\bar{B}(0)$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 032001	7.4	30
283	Observation of the $D^0 \rightarrow \bar{D}^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
282	Observation of photon polarization in the $b \rightarrow \bar{t} \pi$ transition. <i>Physical Review Letters</i> , <b>2014</b> , 112, 161801	7.4	29
281	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> , <b>2013</b> , 867, 1-18	2.8	29
280	Measurement of the differential branching fraction of the decay $B^0 \rightarrow \bar{D}^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 25-35	4.2	29
279	Measurement of the semileptonic CP asymmetry in $B^0 \rightarrow \bar{D}^0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28

278	Measurement of $J/\psi$ production in pp collisions at $(\sqrt{s}=2.76;\text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	28
277	Study of prompt $D^0$ meson production in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
276	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> , <b>2014</b> , 2014, 1	5.4	27
275	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 36-45	4.2	27
274	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \pi \pi$ decay. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	27
273	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2015</b> , 75, 152	4.2	26
272	Precision measurement of the mass and lifetime of the $\Lambda_b^0$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 242002	7.4	26
271	Measurement of the phase difference between short- and long-distance amplitudes in the $[B \rightarrow \pi \pi]$ decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 161	4.2	25
270	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 191601	7.4	25
269	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
268	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 $J/\psi$ and $J/\psi$ . <i>Nuclear Physics B</i> , <b>2013</b> , 867, 547-566	2.8	25
267	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
266	Measurement of the lifetime of the $B_c^+$ meson using the $B_c^+ \rightarrow \pi^0 \pi^+$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 29-37	4.2	25
265	Studies of beauty baryon decays to $D^0 \pi^0$ and $\pi^+ \pi^-$ final states. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	25
264	Search for the lepton-flavor-violating decays $B(s) \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ and $B \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 141801	7.4	25
263	First observation of $B \rightarrow D_s^* \gamma$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 14-20	4.2	25
262	On the interplay of direct and indirect CP violation in the charm sector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2012</b> , 39, 045005	2.9	25
261	Production of associated $\Upsilon$ 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> , <b>2016</b> , 2016, 1	5.4	25

260	Measurement of the CP -violating phase $\arg(B_0^0 - \bar{B}_0^0)$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 38-49	4.2	24
259	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7.4	24
258	Study of $D_{s1}$ decays to $\{D^{*+}\}K_{\text{S}}^0$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5.4	24
257	Search for the rare decay $D^0 \rightarrow \mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 15-24	4.2	23
256	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2017</b> , 77, 812	4.2	23
255	Measurement of the CKM angle $\Gamma$ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	23
254	Search for the lepton flavour violating decay $B \rightarrow \mu^+ \mu^- \tau$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
253	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{\text{S}}^0$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241601	7.4	22
252	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	22
251	Measurement of the $B^0 \rightarrow K^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	22
250	Measurement of CP Violation in $B_0^0 \rightarrow K_S^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031601	7.4	22
249	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> , <b>2015</b> , 2015, 1	5.4	22
248	Measurement of the $B^0 \rightarrow B^0$ and $B_s^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 218-228	4.2	22
247	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	22
246	Observation of $B^0 \rightarrow D^0 K^+ K^-$ and evidence for $B(s)(0) \rightarrow D^0 K^+ K^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 109, 131801	7.4	22
245	Forward production of $\Upsilon$ mesons in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	21
244	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	21
243	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21



242	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> , <b>2014</b> , 74, 2888	4.2	20
241	Observation of the decay $(B_c^{+}) \rightarrow J/\psi + K^{\pm}$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	20
240	Angular analysis of the $B^0 \rightarrow K^* e^+ e^-$ decay in the low- $q^2$ region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	20
239	Study of forward Z + jet production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	20
238	Measurements of the branching fractions for $B(s) \rightarrow D(s) \ell$ and $B^0 \rightarrow D^+ \ell^-$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	20
237	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2462	4.2	19
236	Model-independent search for CP violation in $B \rightarrow K^* \ell^+ \ell^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 623-633	4.2	19
235	Measurement of the CKM angle $\alpha$ using $B \rightarrow D K^*$ with $D \rightarrow K^* S^{\pm} \rightarrow K^* K^{\pm} + K^* \pi^{\pm}$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	19
234	Measurements of the branching fractions and CP asymmetries of $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* S^{\pm} \ell^{\mp}$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
233	First observations of $B \rightarrow D^* D^* D^*$ and $D^0 \rightarrow D^* D^*$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	19
232	Measurement of the CP Asymmetry in $B_{\{s\}}^0 \rightarrow B_{\{s\}}^0$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 117, 061803	7.4	18
231	Searches for $(\Lambda_b^0)$ and $(\Xi_b^0)$ decays to $(K_{\text{charm}}^0 \rightarrow \pi^{\pm})$ and $(K_{\text{charm}}^0 \rightarrow K^{\pm})$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^{\pm})$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
230	Angular analysis of charged and neutral $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
229	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 041801	7.4	18
228	Measurement of relative branching fractions of decays to $(2)$ and $(1)$ mesons. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2118	4.2	18
227	Observation of the decay $B_s^0 \rightarrow D^* D^*$ and evidence for $B^0 \rightarrow D^* D^*$ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	17
226	Measurement of forward Z - $\ell e^+ e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	17
225	Measurement of the CP-violating phase $\gamma_s$ in $B_s(0) \rightarrow D_s^{\pm} D_s^{\mp}$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 211801	7.4	17

224	Observation of $B(s)(0) \rightarrow J/\psi(1285)$ decays and measurement of the $\phi(1285)$ mixing angle. <i>Physical Review Letters</i> , <b>2014</b> , 112, 091802	7.4	17
223	Measurement of the $B_c(3P)$ mass and of the relative rate of $B_c(1P)$ and $B_c(2P)$ production. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
222	Observations of $B_c \rightarrow \mu^+ \nu_\mu$ and $B_c \rightarrow \mu^+ \nu_\mu + K$ decays and searches for other $B_c$ and $B_c$ decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	17
221	Study of $B_c^+$ decays to the $K+K^*$ final state and evidence for the decay $B_c^+ \rightarrow B^0 \pi^+$ . <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	17
220	Angular moments of the decay $B_c \rightarrow \mu^+ \nu_\mu$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
219	Search for CP violation in $D_0 \rightarrow \pi^0$ decays with the energy test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 158-167	4.2	16
218	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241801	7.4	16
217	Near-threshold ( $\overline{D}^0$ ) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	16
216	Evidence for the decay ( $B_c^+ \rightarrow J/\psi \pi^+ \pi^0$ ). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
215	Measurement of the effective $B_s \rightarrow K^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 349-356	4.2	16
214	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , <b>2015</b> , 115, 112004	7.4	16
213	Amplitude analysis of $B^0 \rightarrow \pi^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	16
212	Search for CP violation using T-odd correlations in $D^0 \rightarrow \mu^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
211	Observations of $B_c$ . <i>Nuclear Physics B</i> , <b>2013</b> , 871, 403-419	2.8	16
210	Measurement of the branching fractions of the decays $B_s^0 \rightarrow \pi^0 K^+ \pi^-$ and $B^0 \rightarrow \pi^0 K^+ \pi^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	16
209	Observation of $B(s)(0) \rightarrow J/\psi(2S) \pi(1525)$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , <b>2012</b> , 108, 151801	7.4	16
208	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , <b>2016</b> , 76, 664	4.2	16
207	Measurement of CP observables in $B_c \rightarrow \mu^+ K^0$ and $B_c \rightarrow \mu^+ \pi^0$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 117-131	4.2	16

206	Search for the lepton-flavour violating decays $B^0(s) \rightarrow \ell e \mu$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	15
205	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	15
204	Search for CP violation in the decay $B \rightarrow \pi \ell \ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 585-595	4-2	15
203	Measurement of the $B^0 \rightarrow \pi^0$ oscillation frequency $\Delta m_d$ with the decays $B^0 \rightarrow \pi^0 \ell \ell$ and $B^0 \rightarrow \pi^0 \mu \mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 318-325	4-2	15
202	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^* \ell \ell$ and $B^+ \rightarrow K^* \ell \ell$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5-4	15
201	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , <b>2014</b> , 113, 082003	7-4	15
200	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \mu^{\pm} K^{\mp}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\pm} K^{\mp}$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	15
199	Measurement of the polarization amplitudes in $B^0 \rightarrow \pi^0 K^*(892)^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 88,	4-9	15
198	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow \chi K^+$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	15
197	Observation of $\Lambda_b \rightarrow p K^0$ and $\Lambda_b \rightarrow n K^0$ decays and a measurement of the $\Lambda_b$ baryon mass. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	15
196	Measurement of the properties of the $\Lambda_b^0$ baryon. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5-4	15
195	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
194	Precise measurements of the properties of the $B(5721)^0$ , $B(5747)^+$ states and observation of $B_{(c)}$ mass structures. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	14
193	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ \ell \ell$ and $D^0 \rightarrow \pi^+ \ell \ell$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	14
192	Search for CP violation in $D \rightarrow \pi \ell \ell$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
191	Study of $B_{(c)}^0 \rightarrow K_{(S)}^0 h^+ h'^-$ decays with first observation of $B_{(c)}^0 \rightarrow K_{(S)}^0 K^{\pm} \pi^{\mp}$ and $B_{(c)}^0 \rightarrow K_{(S)}^0 \pi^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5-4	14
190	Observation of $B_{(c)}^0 \rightarrow \overline{B}_{(c)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , <b>2013</b> , 73,	4-2	14
189	Evidence for the Strangeness-Changing Weak Decay $\Lambda_b^0 \rightarrow \Lambda^0 \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 241801	7-4	14

188	Evidence for CP violation in $B^+ \rightarrow \bar{p}pK^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141801	7.4	14
187	Measurement of the forward W boson cross-section in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
186	First measurement of the CP-violating phase in $B_s(0) \rightarrow \bar{f}f$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 241802	7.4	14
185	First observation of $B^0 \rightarrow \bar{f}f + K^0$ and search for $B^0 \rightarrow \bar{f}f$ decays. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	14
184	Search for rare $B(0) \rightarrow \bar{f}f + \bar{f}f$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 211801	7.4	14
183	First observation of the decay $B^0 \rightarrow \bar{f}f + K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 706, 32-39	4.2	14
182	Search for the lepton-flavour violating decay $D^0 \rightarrow \bar{f}f + \bar{f}f$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 167-175	4.2	14
181	Study of the rare $B_s^0$ and $B^0$ decays into the $\bar{f}f + K^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 46-55	4.2	13
180	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
179	Studies of the resonance structure in $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	13
178	First evidence for the annihilation decay mode $\{B^+\} \rightarrow D_s^+ \phi$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	13
177	Observation of the decay $B_s^0 \rightarrow \bar{f}f + K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 403-411	4.2	13
176	Resonances and CP violation in $B^0 \rightarrow \bar{f}f + J/\psi + K^0$ and ( $\overline{B}^0 \rightarrow J/\psi + K^0$ ) decays in the mass region above the $\psi(1020)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
175	Study of CP violation in $B^0 \rightarrow \bar{f}f + h$ ( $h=K, \pi$ ) with the modes $D^0 \rightarrow \bar{K}^0 K^0$ , $D^0 \rightarrow \bar{K}^0 \pi^0$ and $D^0 \rightarrow \bar{K}^0 K^0$ . <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	13
174	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> , <b>2015</b> , 2015, 1	5.4	13
173	Measurement of CP violation and constraints on the CKM angle $\arg(B^0 \rightarrow \bar{f}f + K^0)$ with $D \rightarrow \bar{K}^0 K^0$ decays. <i>Nuclear Physics B</i> , <b>2014</b> , 888, 169-193	2.8	13
172	Measurement of CP violation in $B_s^0 \rightarrow \bar{f}f$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	13
171	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow \bar{f}f + K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 369-377	4.2	13

170	Search for the doubly charmed baryon ( $\Xi_{cc}^{++}$ ). <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	13
169	Measurement of the forward Z boson production cross-section in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
168	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \rho^0 \gamma$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 253-262	4.2	13
167	Test of lepton universality with ( $\Lambda_b^0 \rightarrow p K^0 \ell^+ \ell^-$ ) decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12
166	Measurement of CP violation parameters and polarisation fractions in ( $B^0 \rightarrow J/\psi \phi$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
165	Observation of the decay $B^0 \rightarrow K^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 484-494	4.2	12
164	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow \bar{D}^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , <b>2014</b> , 112, 111802	7.4	12
163	A study of CP violation in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^0 \pi^0$ decays with $D \rightarrow K^0 \pi^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 733, 36-45	4.2	12
162	Measurement of the $B^0 \rightarrow \rho^0 \gamma$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 172-179	4.2	12
161	Observation of the $B^0 \rightarrow \rho^0 \gamma$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 282-292	4.2	12
160	ReDecay: a novel approach to speed up the simulation at LHCb. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1009	4.2	12
159	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
158	Precision measurement of the ( $\chi_{cc}^{++}$ ) mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	11
157	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^* \rho^0$ in the $K^* \rightarrow K \pi$ region. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
156	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^* \rho^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	11
155	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 721, 24-31	4.2	11
154	Measurement of the branching fraction ratio $B(B_c^+ \rightarrow \rho^0 \pi^0)/B(B_c^+ \rightarrow \rho^0 \pi^+)$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	11
153	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^* \rho^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	11

152	Measurement of CP violation parameters in $B_0 \rightarrow DK^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11
151	Studies of the decays $B^+ \rightarrow \rho^0 p^+$ and observation of $B^+ \rightarrow \rho(1520) p$ . <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
150	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
149	Study of charmonium production in $\pi$ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 609	4.2	10
148	Study of $\chi(2S)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
147	Measurement of the $B^0$ and $B^+$ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 154-162	4.2	10
146	Measurement of the charge asymmetry in $B^0 \rightarrow \rho^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 85-94	4.2	10
145	Measurement of the effective $B^0$ lifetime. <i>Nuclear Physics B</i> , <b>2013</b> , 873, 275-292	2.8	10
144	Observation of the suppressed decay $B^0 \rightarrow \rho^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
143	Search for the decay $(B^0_s \rightarrow \overline{D}^0 \pi^0)$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	10
142	Measurement of the $B^0$ meson lifetime in $D_s^+ \rightarrow B^0$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
141	Measurement of CP asymmetry in $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	10
140	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	10
139	Search for $B_c^+$ decays to the $p\pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 313-321	4.2	10
138	Prompt $B_c$ 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
137	Determination of $B^0$ and $B^+$ from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 741, 1-11	4.2	9
136	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^- B^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 446-454	4.2	9
135	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K_S^0 \pi^+$ and $B^+ \rightarrow K_S^0 K^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 646-655	4.2	9

134	Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow f_{\text{CP}} K^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	9
133	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 468-478	4.2	9
132	Study of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	9
131	First observation of the decays $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0(2536)^+$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	9
130	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
129	Measurement of the CKM angle $\alpha$ using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 S^0$ $K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
128	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow \pi^+ K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 307-316	4.2	8
127	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
126	Study of $B^0$ mixing from measurement of $B^0 \rightarrow f_{\text{CP}} K^0$ decay rates. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	8
125	Measurement of branching fractions of charmless four-body $B^0$ and $B^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
124	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \pi^+ K^-(892)^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
123	Search for the decay $B^0 \rightarrow \pi^+ \pi^- K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 234-243	4.2	8
122	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> , <b>2015</b> , 2015, 1	5.4	8
121	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , <b>2015</b> , 75, 595	4.2	8
120	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
119	First observation of the decays $B^0 \rightarrow \pi^+ K^-(\pi^+ \pi^-)$ and $B^0 \rightarrow \pi^- K^+(\pi^+ \pi^-)$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 161801	7.4	8
118	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using $(B^0 \rightarrow \pi^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
117	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> , <b>2016</b> , 2016, 1	5.4	8

116	Measurement of forward $W$ - $\ell\nu$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	8
115	Study of $\gamma$ production in pPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=8.16$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	8
114	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 678	4-2	7
113	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> , <b>2015</b> , 2015, 1	5-4	7
112	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0_S$ and $D^*0 K +$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
111	Observation of the $B^0_s \rightarrow J/\psi \ell \bar{\nu}$ decay. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
110	Updated measurement of time-dependent (CP)-violating observables in ( $B^0_s \rightarrow J/\psi K^+ K^-$ ) decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	7
109	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \bar{p} \ell^+ \nu$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5-4	7
108	First observation of the decay ( $B_s^0 \rightarrow \phi \bar{K}^{*0}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	7
107	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
106	Search for the rare decays $B^0 \rightarrow \mu^+ \mu^-$ and $B_s^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4-9	7
105	Observation of the $B(s)(0) \rightarrow \mu^+ \mu^-$ decay. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051801	7-4	7
104	First observations of the rare decays $B^+ \rightarrow \bar{K}^0 \mu^+ \mu^-$ and $B^+ \rightarrow \bar{K}^0 \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	7
103	Search for CP violation in ( $\chi_{c1}^+ \rightarrow p \bar{K}^+ \pi^+$ ) decays using model-independent techniques. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	7
102	Observation of a new baryon state in the ( $\Lambda_{\mathrm{b}}^0 \rightarrow p \pi^+ \pi^-$ ) mass spectrum. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	7
101	Search for a dimuon resonance in the $\gamma$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
100	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \bar{K}^0 \mu^+ \mu^-$ and $B^0 \rightarrow \bar{K}^0 \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
99	First measurement of the CP-violating phase ( $\phi_{s^{\overline{d}}}$ ) in $B^0_s \rightarrow \bar{K}^0 \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	6



98	Measurement of the mass and lifetime of the $\Lambda_b$ baryon. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
97	Constraints on the unitarity triangle angle $\Gamma$ from Dalitz plot analysis of $B^0 \rightarrow DK^+$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
96	Measurements of CP asymmetries in charmless four-body ( $\Lambda_b$ ) and ( $\Xi_b$ ) decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	6
95	Measurement of CP observables in $B^0 \rightarrow DK^*$ with $D \rightarrow K + K$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
94	Searches for $(B_{(s)}^0 \rightarrow [J/\psi p])_{\text{overline{p}}}$ and $B^+ \rightarrow [J/\psi p]_{\text{overline{p}}}$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
93	Measurement of the $Y(nS)$ polarizations in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
92	Measurement of CP asymmetries and polarisation fractions in $(B_s^0 \rightarrow \overline{K}^{*0} \overline{K}^{*0})$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
91	Search for the $\Lambda_b \rightarrow \overline{p} \pi^+$ and $\Lambda_b \rightarrow \overline{p} \pi^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
90	Observation of $B_{(s)}^0 \rightarrow \overline{K}^{*0} \overline{K}^{*0}$ and evidence for $B_{(s)}^0 \rightarrow \overline{K}^{*0} \pi^+$ decays. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123001	2.9	6
89	Search for the decay $B_s^0 \rightarrow \overline{D}^* \pi^+$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	6
88	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , <b>2016</b> , 76, 412	4.2	6
87	Measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow DK^*$ with $D \rightarrow K S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	6
86	Model-independent measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow DK^*$ decays with $D \rightarrow K S^0$ and $K S^0 \rightarrow K^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	6
85	Measurement of $\chi$ production in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
84	First observation of $B^+ \rightarrow \overline{D}^0 K^+$ decays and a search for $B^+ \rightarrow \overline{D}^0 \chi$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
83	Observation of the $(\Lambda_b \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
82	Observation of $B_{(s)}^0 \rightarrow \overline{D}^0 K_{S^0}$ and Evidence for $B_{(s)}^0 \rightarrow \overline{D}^0 K_{S^0}$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 161802	7.4	5
81	Amplitude analysis of $B^0 \rightarrow \overline{K}^0 S^0 K^+$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5

80	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	5
79	Study of $(\overline{b} \rightarrow b)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	5
78	Determination of the branching fractions of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ K^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	5
77	Measurement of the ratio of branching fractions $(\mathcal{B}(\overline{B} \rightarrow \mu^+ \nu_{\mu} K^0) / \mathcal{B}(\overline{B} \rightarrow \mu^+ \nu_{\mu} D^0))$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
76	A search for $(\Xi_{cc}^{++}) \rightarrow p K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	5
75	Observation of the decay $B^0 \rightarrow \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	5
74	Measurement of CP asymmetry in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
73	Dalitz plot analysis of the $D^+ \rightarrow \mu^+ K^0 K^+$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	4
72	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> , <b>2013</b> , 2013, 1	5-4	4
71	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , <b>2017</b> , 77, 238	4-2	4
70	Evidence for the two-body charmless baryonic decay $(\Lambda_c^+ \rightarrow p \overline{\Lambda})$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	4
69	Measurement of CP observables in $B^0 \rightarrow \mu^+ \mu^-$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	4
68	Study of $B \rightarrow K^* K$ and $B \rightarrow K^* K^*$ decays and determination of the CKM angle $\alpha$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4-9	4
67	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \mu^+ \mu^- K^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	4
66	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow \mu^+ \mu^- e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	4
65	Measurement of the $B_{s0} \rightarrow \mu^+ \mu^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 484-492	4-2	4
64	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
63	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

62	Measurement of $D_{\text{fl}}^{\pm}$ 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
61	First observation of the rare $B^+ \rightarrow D^+ K^+ \pi^0$ decay. <i>Physical Review D</i> , <b>2016</b> , 93,	4-9	3
60	Measurement of the $B_{\text{fl}}^0 \rightarrow D_{\text{fl}}^*(\pm) D_{\text{fl}}^*(\pm)$ branching fractions. <i>Physical Review D</i> , <b>2016</b> , 93,	4-9	3
59	First observation of the decay $B^0 \rightarrow \pi^+ K^0 K^{*0}$ at LHCb. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	3
58	Amplitude analysis of the ( $B_{\text{fl}}^0 \rightarrow K^{\text{fl} \pm} \overline{K}^{\text{fl} \pm}$ ) decays and measurement of the branching fraction of the ( $B^0 \rightarrow K^{\text{fl} \pm} \overline{K}^{\text{fl} \pm}$ ) decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	3
57	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> , <b>2017</b> , 2017, 1	5-4	3
56	Search for heavy neutral leptons in ( $W^+ \rightarrow \mu^+ \mu^{\text{fl} \pm}$ , text {jet}) decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	3
55	Search for long-lived particles decaying to ( $e^{\text{fl} \pm}$ ) ( $\mu^{\text{fl} \pm}$ ) ( $\nu$ ). <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	3
54	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4-2	3
53	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
52	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^{\text{fl} \pm} K^{\text{fl} \pm}$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
51	Measurement of the ( $\Lambda_{\text{fl}}^0$ )-flavour angular distribution and the ( $\Lambda_{\text{fl}}^0$ ) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	2
50	Measurement of CP observables in $B_{\text{fl}}^0 \rightarrow D_{\text{fl}}^{\pm} K_{\text{fl}}^{\pm}$ and $B_{\text{fl}}^0 \rightarrow D_{\text{fl}}^{\pm} \pi^{\pm}$ with $D_{\text{fl}} \rightarrow \{K_{\text{fl}}^{\text{fl} \pm} \pi^{\text{fl} \pm}\}$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	2
49	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow \pi^+ \pi^0$ and $B^+ \rightarrow \pi^+ \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	2
48	Study of the $B^0 \rightarrow \pi^0 K^{*0}$ decay with an amplitude analysis of $B^0 \rightarrow \pi^0 (K^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	2
47	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
46	Measurements of prompt charm production cross-sections in pp collisions at ( $\sqrt{s}=13$ ) TeV <b>2016</b> , 2016, 1		2
45	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \pi^+ K^{*0} \pi^-$ differential branching fraction <b>2016</b> , 2016, 1		2

44	Search for the doubly heavy ( $\Xi_{bc}^0$ ) baryon via decays to $D^0 p K$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
43	Observation of the ( $B_s^0$ ) $\rightarrow D^* \mu \nu$ decay. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
42	Measurement of CP observables in $B^0 \rightarrow D^{(*)} K^0$ and $B^0 \rightarrow D^{(*)} \pi$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
41	Measurement of the branching fraction of the ( $B^0 \rightarrow D^+_{s1} \pi^-$ ) decay. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
40	Study of ( $B_s^0 \rightarrow J/\psi K^0$ ) decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
39	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
38	Measurement of CP violation in $B^0 \rightarrow D^0 \pi$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
37	Measurement of CP observables in the process $B^0 \rightarrow D K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
36	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , <b>2018</b> , 65, 1127-1132	1.7	1
35	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow D^+_{s1} \mu^-$ and $B^0 \rightarrow D^+_{s1} \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
34	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
33	Search for the $B^0_s \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	1
32	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
31	Angular analysis of the rare decay ( $B_s^0 \rightarrow D^* \mu \nu$ ). <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
30	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
29	Measurement of the shape of the ( $B_s^0 \rightarrow D^*_{s1} \mu^+ \nu_{\mu}$ ) differential decay rate. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
28	Precision measurement of the ( $B_c^+$ ) meson mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
27	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

26	Search for the rare decay $B^0 \rightarrow \mu^+ \mu^-$ . <i>Chinese Physics C</i> , <b>2021</b> , 45, 043001	2.2	1
25	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
24	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
23	Measurement of the CP asymmetry in $B_{(d)}^0 \rightarrow D^0$ and $B_{(d)}^0 \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	1
22	Search for the radiative $\chi_{b^{(-)}} \rightarrow \gamma$ decay. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
21	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
20	Measurement of $\bar{t}(3872)$ 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
19	Measurement of CP violation in $B^0 \rightarrow \bar{D}^* D^+$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
18	First measurement of the (CP)-violating phase in ( $B^0_{(s)} \rightarrow J/\psi$ ) ( $\rightarrow e^+ e^-$ )( $\phi$ ) decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
17	Observation of a ( $\overline{\lambda}_b$ ) ( $\overline{\lambda}_b$ ) 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
16	Measurement of the CKM angle $\bar{\Delta}$ and ( $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ ) 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
15	Observation of the decay ( $\Lambda_b \rightarrow p \pi$ ) <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
14	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
13	Measurement of CP violation in the ( $B_{(s)}^0 \rightarrow \phi \phi$ ) decay and search for the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	0
12	Measurement of the CKM angle $\bar{\Delta}$ in $B_{(d)}^0 \rightarrow \bar{D} K_{(d)}^0$ and $B_{(d)}^0 \rightarrow \bar{D} K_{(d)}^0$ decays with $D \rightarrow (K_{(d)}^0 \rightarrow h^+ h^-)$ <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
11	Observation of the decay ( $\overline{B}_{(s)}^0 \rightarrow \chi_{c2} K^+ K^-$ ) in the ? mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	0
10	Search for the doubly charmed baryon $\Xi_{cc}$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	0
9	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

- 8 Simultaneous determination of CKM angle  $\bar{\chi}$  and charm mixing parameters. *Journal of High Energy Physics*, **2021**, 2021, 1 5-4 ○
- 7 Search for the doubly charmed baryon  $\chi_{cc}^+$  in the  $\chi_c^+\pi^-\pi^+$  final state. *Journal of High Energy Physics*, **2021**, 2021, 1 5-4 ○
- 6 Study of charmonium and charmonium-like contributions in  $B \rightarrow J/\psi K^+$  decays. *Journal of High Energy Physics*, **2022**, 2022, 1 5-4 ○
- 5 Search for the decay  $B^0 \rightarrow \eta' \pi^0$ . *Journal of High Energy Physics*, **2022**, 2022, 1 5-4 ○
- 4 Study of  $B_c^+$  decays to charmonia and three light hadrons. *Journal of High Energy Physics*, **2022**, 2022, 1 5-4
- 3 Angular analysis of  $(B^0 \rightarrow D^{*+} D_s^{*-})$  with  $(D_s^{*+} \rightarrow D_s^+ \gamma)$  decays. *Journal of High Energy Physics*, **2021**, 2021, 1 5-4
- 2 Observation of  $\Lambda_b^0 \rightarrow \bar{D}^+ p$  and  $\Lambda_b^0 \rightarrow \bar{D}^{*+} p$  decays. *Journal of High Energy Physics*, **2022**, 2022, 1 5-4
- 1 Updated search for  $B_c^+$  decays to two charm mesons. *Journal of High Energy Physics*, **2021**, 2021, 1 5-4