

# Miriam Calvo Gomez

## 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.

511  
papers

17,477  
citations

63  
h-index

107  
g-index

526  
ext. papers

21,114  
ext. citations

5.5  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
511	Observation of $J/\psi$ Resonances Consistent with Pentaquark States in $[b^0-\bar{K}^0]p$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 072001	7.4	580
510	Test of lepton universality using $b \rightarrow c \tau \nu$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
509	LHCb detector performance. <i>International Journal of Modern Physics A</i> , <b>2015</b> , 30, 1530022	1.2	452
508	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , <b>2015</b> , 522, 68-72	50.4	326
507	Measurement of the ratio of branching fractions $B(B \rightarrow \mu^+ \mu^-) / B(B \rightarrow e^+ e^-)$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 111803	7.4	316
506	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0}(\pi^+\pi^-)$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 191801	7.4	314
505	Test of lepton universality with $B^0 \rightarrow K^{*0} \tau^+ \tau^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	298
504	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2013</b> , 110, 021801	7.4	263
503	Observation of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 112001	7.4	257
502	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
501	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , <b>2013</b> , 110, 222001	7.4	234
500	Angular analysis of the $B^0 \rightarrow K^{*0} \tau^+ \tau^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	232
499	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
498	Measurement of $J/\psi$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	216
497	Observation of a Narrow Pentaquark State, $P_{c}(4312)^{+}$ , and of the Two-Peak Structure of the $P_{c}(4450)^{+}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 222001	7.4	199
496	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , <b>2013</b> , 871, 1-20	2.8	163
495	Observation of Five New Narrow $\chi_{c}^0$ States Decaying to $\chi_{c}^{+} K^{-}$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 182001	7.4	154

494	Evidence for CP violation in time-integrated $D^0 \rightarrow h^+ h^-$ decay rates. <i>Physical Review Letters</i> , <b>2012</b> , 108, 111602	7.4	150
493	Strong constraints on the rare decays $B(s) \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 231801	7.4	144
492	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	142
491	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \rho^+ \rho^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	138
490	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191801	7.4	137
489	Measurement of the Ratio of the $B^+ \rightarrow D^{*+} \mu^+ \mu^-$ and $B^0 \rightarrow D^{*+} \mu^+ \mu^-$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , <b>2018</b> , 120, 171802	7.4	126
488	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	121
487	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	116
486	Measurement of the Ratio of Branching Fractions $B(B_c^+ \rightarrow \mu^+ \mu^-) / B(B_c^+ \rightarrow \tau^+ \mu^-)$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 121801	7.4	109
485	Measurement of $\alpha_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 694, 209-216	4.2	107
484	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*+} \mu^+ \mu^-$ branching fraction using three-prong $\mu$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	106
483	Measurement of the $B_{s^0} \rightarrow \mu^+ \mu^-$ Branching Fraction and Effective Lifetime and Search for $B^+ \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 191801	7.4	106
482	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	105
481	Observation of $\alpha_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 52-59	4.2	104
480	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	99
479	Observation of $J/\psi$ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \mu^+ K^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 022003	7.4	98
478	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s) \rightarrow f_1 \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 101803	7.4	95
477	Evidence for Exotic Hadron Contributions to $[b]^+ \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082003	7.4	91

476	Measurement of $\rho$ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2631	4.2	87
475	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
474	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7\text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	86
473	Model-Independent Evidence for $J/\psi$ Contributions to $B^0 \rightarrow \mu^+ \mu^- K^0$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082002	7.4	85
472	Exclusive $J/\psi$ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2013</b> , 40, 045001	2.9	85
471	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2025	4.2	83
470	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P02007-P02007	1	87
469	Updated measurements of exclusive $J/\psi$ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 055002	2.9	83
468	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , <b>2015</b> , 11, 743-747	7.4	79
467	Evidence for the decay $B_s^0 \rightarrow \mu^+ \mu^-$ . <i>Nuclear Physics B</i> , <b>2014</b> , 886, 665-680	2.8	79
466	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P12005-P12005	1	79
465	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
464	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
463	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 061801	7.4	75
462	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131802	7.4	70
461	Dalitz plot analysis of $B_s^0 \rightarrow \mu^+ \mu^- K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	70
460	Measurement of CP violation in the phase space of $B^0 \rightarrow \mu^+ \mu^- K^0$ and $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101801	7.4	70
459	Observation of CP violation in $B^0 \rightarrow \mu^+ \mu^- K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 203-212	4.2	69

458	Study of D J meson decays to D + $\pi^0$ and D * + $\pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	69
457	Observation of excited $\Lambda(0)$ baryons. <i>Physical Review Letters</i> , <b>2012</b> , 109, 172003	7.4	68
456	Measurement of CP violation and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \bar{K}^0 K^0$ and $B_s^0 \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	66
455	First observation of $B_s^0 \rightarrow \pi^0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 115-122	4.2	66
454	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
453	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^*(0) \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 161802	7.4	65
452	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , <b>2016</b> , 40, 011001	2.2	65
451	Search for Structure in the $B_{s^0} \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , <b>2016</b> , 117, 152003	7.4	64
450	Differential branching fraction and angular analysis of the $B^+ \rightarrow \bar{K}^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	63
449	Measurement of $(2)$ meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2100	4.2	63
448	Measurement of CP violation in the phase space of $B \rightarrow \bar{K}^0 K^0$ and $B \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 011801	7.4	61
447	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
446	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
445	Inclusive W and Z production in the forward region at ( $\sqrt{s} = 7, \text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	60
444	Search for $A^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041801	7.4	60
443	Measurement of the isospin asymmetry in $B \rightarrow \bar{K}^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	59
442	Analysis of the resonant components in $B \rightarrow \bar{K}^0 \pi^0$ <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	59
441	Production of J/ $\psi$ and ( $\varphi$ ) mesons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	58

440	Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 699, 330-340	4.2	58
439	Measurement of the $\Lambda_b(0)$ , $\Lambda_b(-)$ , and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , <b>2013</b> , 110, 182001	7.4	57
438	Amplitude analysis of $B^+ \rightarrow \mu^+ K^+$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	56
437	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 241-248	4.2	55
436	Observation of the decay $B(c)^+ \rightarrow \mu^+ B(s)^0$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 181801	7.4	55
435	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
434	Search for the $X(4140)$ state in $B^+ \rightarrow \mu^+ K^+$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	55
433	Differential branching fraction and angular analysis of $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	54
432	Measurement of resonant and CP components in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	54
431	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \mu^+ \mu^+$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 162002	7.4	54
430	Precision measurement of CP violation in $B(S)^0 \rightarrow \mu^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
429	Dalitz plot analysis of $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	53
428	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow \mu^+ J/\psi$ decay. <i>Physical Review Letters</i> , <b>2012</b> , 109, 232001	7.4	53
427	Measurement of the resonant and CP components in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	52
426	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 211803	7.4	51
425	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
424	Observation of a New $\Lambda_b^{\{-}}$ Resonance. <i>Physical Review Letters</i> , <b>2018</b> , 121, 072002	7.4	50
423	First observation of the decay $B(c)^+ \rightarrow \mu^+ \Lambda_b^0$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 251802	7.4	50

422	Precision measurement of the $B_s^0 \rightarrow \mu^+ \mu^-$ oscillation frequency with the decay $B_s^0 \rightarrow \mu^+ \mu^-$ . <i>New Journal of Physics</i> , <b>2013</b> , 15, 053021	2.9	49
421	Analysis of the resonant components in $B \rightarrow \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	49
420	Search for long-lived scalar particles in $B \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	48
419	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	48
418	CALDER: neutrinoless double-beta decay identification in TeO bolometers with kinetic inductance detectors. <i>European Physical Journal C</i> , <b>2015</b> , 75, 353	4.2	48
417	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \mu^- \mu^+$ decays and the $B^0 \rightarrow K^+ \mu^- \mu^+$ differential branching fraction. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	48
416	Measurement of forward J/ψ 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
415	Measurements of CP violation in the three-body phase space of charmless $B^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	47
414	Searches for Majorana neutrinos in $B^0$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	47
413	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , <b>2020</b> , 125, 011802	7.4	46
412	Observation of $B_c^+ \rightarrow D_s^+ \mu^+ \mu^-$ and $B_c^+ \rightarrow D_s^{*+} \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	46
411	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , <b>2017</b> , 13, 391-396.	6.2	45
410	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
409	Observation of $D^0$ - $\bar{D}^0$ oscillations. <i>Physical Review Letters</i> , <b>2013</b> , 110, 101802	7.4	45
408	Amplitude analysis of $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	45
407	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 052002	7.4	44
406	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
405	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

404	First evidence of direct CP violation in charmless two-body decays of $B_s^0$ mesons. <i>Physical Review Letters</i> , <b>2012</b> , 108, 201601	7.4	43
403	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , <b>2013</b> , 111, 112003	7.4	43
402	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
401	Measurement of the $B_s^0 \rightarrow B^0$ oscillation frequency $\Delta m_s$ in $B_s^0 \rightarrow D_s(B) \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 177-184	4.2	42
400	Measurement of the exclusive $\pi^0$ 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
399	Measurement of the ratio of prompt $\pi^0$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 431-440	4.2	42
398	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> , <b>2013</b> , 110, 151803	7.4	42
397	Measurement of the $\pi^0$ production cross-section in proton-proton collisions via the decay $\pi^0 \rightarrow \gamma \gamma$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 311	4.2	41
396	Search for the doubly charmed baryon ( $\Xi_{cc}^{++}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	41
395	Measurements of the $B^0 \rightarrow \pi^0 \pi^0$ decay amplitudes and the $B^0$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 27-35	4.2	41
394	Measurement of the cross-section ratio $\sigma(B^0 \rightarrow \pi^0 \pi^0) / \sigma(B^0 \rightarrow \pi^+ \pi^-)$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 215-223	4.2	41
393	Search for the Decays $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 251802	7.4	40
392	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2019</b> , 122, 231802	7.4	39
391	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2022	4.2	39
390	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 181806	7.4	39
389	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2017</b> , 118, 052002	7.4	36
388	First observation of the decay ( $B_c^+ \rightarrow [J \text{ left/ } \{\{\psi \{K^+\}\}\} \text{ right.}]$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	36
387	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



386	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
385	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
384	Observation of two new $\Lambda_b(-)$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
383	First observation of the decay $B^+ \rightarrow \tau^+ \nu_\tau \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	35
382	Search for lepton number violating decays $B^+ \rightarrow \tau^+ \mu^+ \mu^-$ and $B^+ \rightarrow K^+ \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 101601	7.4	35
381	Amplitude analysis of the $B^+ \rightarrow D^+ D_s^+$ decay. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	34
380	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	34
379	Measurement of the CP violating phase $\phi_1$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 497-505	4.2	34
378	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
377	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
376	Study of the $D^0 \rightarrow \rho^+ \pi^-$ amplitude in $D^0 \rightarrow b \rightarrow \rho^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	33
375	Measurement of the CP-violating phase $\phi_1$ in $B^0 \rightarrow \rho^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 186-195	4.2	33
374	Measurement of the CKM angle $\phi_1$ from a combination of $B^0 \rightarrow \rho^+ \pi^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 151-163	4.2	33
373	Study of $\chi_{c0}(\mathbf{b})$ meson production in $pp$ collisions at $\sqrt{s}=7$ and $8$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74,	4.2	33
372	Measurement of the $\phi_1$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 186-195	4.2	33
371	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P06013-P06013		32
370	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
369	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , <b>2013</b> , 111, 102003	7.4	32

368	Amplitude analysis and branching fraction measurement of $B \rightarrow D^0 \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	32
367	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5\text{TeV}$ proton-lead collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 473-483	4.2	32
366	Measurement of the relative rate of prompt $\Upsilon(0)$ , $\Upsilon(1)$ and $\Upsilon(2)$ production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	31
365	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
364	Measurement of the flavour-specific CP-violating asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 607-615	4.2	31
363	Measurement of the CP-violating phase. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 378-386	4.2	31
362	Measurement of the. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 902-909	4.2	31
361	Study of the kinematic dependences of $D^0$ b production in pp collisions and a measurement of the $D^0$ b $\rightarrow$ c branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
360	Search for $D(s) \rightarrow \pi^+ \pi^-$ and $D(s) \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 203-212	4.2	30
359	First observation and amplitude analysis of the $B \rightarrow D^0 K^0$ decay. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	30
358	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 032001	7.4	30
357	Observation of the $D^0$ b $\rightarrow$ c decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
356	Observation of photon polarization in the $b \rightarrow c$ transition. <i>Physical Review Letters</i> , <b>2014</b> , 112, 161801	7.4	29
355	Search for the rare decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 55-67	4.2	29
354	Measurement of the ratio of branching fractions $B(B \rightarrow D^0 \pi^0)/B(B \rightarrow D^0 \pi^+ \pi^-)$ and the direct CP asymmetry in $B \rightarrow D^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2013</b> , 867, 1-18	2.8	29
353	Search for direct CP violation in. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 723, 33-43	4.2	29
352	Measurement of the differential branching fraction of the decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 25-35	4.2	29
351	Observation of Two Resonances in the $B \rightarrow D^0 \pi^0$ Systems and Precise Measurement of $B \rightarrow D^0 \pi^0$ and $B \rightarrow D^0 \pi^+ \pi^-$ Properties. <i>Physical Review Letters</i> , <b>2019</b> , 122, 012001	7.4	29

350	Measurement of the semileptonic CP asymmetry in $B_0$ - $B_0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28
349	NIKEL_AMC: readout electronics for the NIKA2 experiment. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P11001-P11008		
348	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
347	Observation of the decay $B_c^+ \rightarrow \tau^+ \nu_\tau$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	28
346	Study of prompt $D^0$ meson production in pPb collisions at $(\sqrt{s_{NN}}=5\text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
345	Study of $(\varUpsilon)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	27
344	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
343	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	27
342	Prompt and nonprompt $J/\psi$ production and nuclear modification in pPb collisions at $s_{NN}=8.16\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 159-178	4.2	26
341	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	26
340	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2015</b> , 75, 152	4.2	26
339	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
338	Evidence for an resonance in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1019	4.2	26
337	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 161	4.2	25
336	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^0 K^+$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 125, 242001	7.4	25
335	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
334	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
333	Evidence for the decay $B_0 \rightarrow J/\psi$ 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

332	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
331	Model-independent confirmation of the $Z(4430)$ state. <i>Physical Review D</i> , <b>2015</b> , 92,	4-9	25
330	Measurement of the lifetime of the $B_c^+$ meson using the $B_c^+ \rightarrow \psi/\omega$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 29-37	4-2	25
329	Studies of beauty baryon decays to $D^0 p h$ and $\bar{B}^0 h \pi$ final states. <i>Physical Review D</i> , <b>2014</b> , 89,	4-9	25
328	Search for the lepton-flavor-violating decays $B(s)0 \rightarrow \bar{e}(\mu)\tau$ and $B0 \rightarrow \bar{e}(\mu)\tau$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 141801	7-4	25
327	First observation of $B_c^0 \rightarrow D_s^2 \gamma + X$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 14-20	4-2	25
326	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
325	Measurement of charged particle multiplicities in pp collisions at ( $\sqrt{s} = 7 \sim \text{TeV}$ ) in the forward region. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	24
324	Measurement of the CP -violating phase $\arg(B0 \rightarrow \psi/\omega)$ 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
323	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7-4	24
322	Study of $D^+ \rightarrow J^+ K_{\text{charm}}^0$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	24
321	Measurement of $\Upsilon$ production in $pp$ collisions at $\sqrt{s} = 2.76 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2014</b> , 74,	4-2	23
320	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
319	Measurement of the shape of the $B^0 \rightarrow \mu^+ \mu^-$ differential decay rate. <i>Physical Review D</i> , <b>2017</b> , 96,	4-9	23
318	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2017</b> , 77, 812	4-2	23
317	Measurement of the ratio of $B_c^+$ branching fractions to $J/\psi$ and $J/\psi$ final states. <i>Physical Review D</i> , <b>2014</b> , 90,	4-9	23
316	Measurement of prompt hadron production ratios in pp collisions at ( $\sqrt{s} = 0.9 \sim \text{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	23
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311	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241601	7.4	22
310	Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , <b>2019</b> , 123, 152001	7.4	22
309	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
308	First observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 50-58	4.2	22
307	Measurement of the $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	22
306	Observation of the Decays $B^0 \rightarrow \pi^+ \pi^- \rho^0$ and $B^0 \rightarrow \pi^0 \rho^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 062001	7.4	22
305	Measurement of CP Violation in $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031601	7.4	22
304	Measurement of the forward-backward asymmetry in $Z \rightarrow \mu^+ \mu^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
303	Measurement of the $B^0 \rightarrow B^0$ and $B_s^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 218-228	4.2	22
302	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
301	Observation of $B^0 \rightarrow \pi^0 K^+ K^-$ and evidence for $B(s) \rightarrow \pi^0 K^+ K^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 109, 131801	7.4	22
300	Forward production of $D$ 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
299	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	21
298	Measurement of the CP asymmetry in $B(0) \rightarrow K^*(0) \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 031801	7.4	21
297	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

296	Observation of the decay $(B_c^{+}) \rightarrow J/\psi + K^+$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	20
295	Study of $J/\psi$ Production in Jets. <i>Physical Review Letters</i> , <b>2017</b> , 118, 192001	7.4	20
294	Angular analysis of the $B^0 \rightarrow \rho^0 e^+ e^-$ decay in the low- $q^2$ region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	20
293	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
292	A model-independent Dalitz plot analysis of $B^0 \rightarrow \rho^0 \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 43-55	4.2	20
291	Measurements of the branching fractions for $B(s) \rightarrow D(s) \pi$ and $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	20
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289	Amplitude analysis of the $B^+ \rightarrow \rho^0 \pi^+$ decay. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	19
288	Measurements of the branching fractions of $B^0 \rightarrow \rho^0 \pi^+ \pi^-$ decays. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2462	4.2	19
287	Model-independent search for CP violation in $B^0 \rightarrow \rho^0 \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 623-633	4.2	19
286	Measurement of the CKM angle $\alpha_s$ using $B^0 \rightarrow \rho^0 K^0$ with $D \rightarrow \rho^0 S^+ \pi^-$ and $D^0 \rightarrow S^+ K^- + K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	19
285	Measurement of the $B^0$ production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	19
284	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow \rho^0 \pi^0$ and $B^0 \rightarrow \rho^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
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282	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 081801.	7.4	18
281	Observation of an Excited $B_{c1}^+$ State. <i>Physical Review Letters</i> , <b>2019</b> , 122, 232001	7.4	18
280	Study of the lineshape of the $B_1(3872)$ state. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	18
279	First Observation of Excited $B_{c1}^+$ States. <i>Physical Review Letters</i> , <b>2020</b> , 124, 082002	7.4	18

278	Observation of Several Sources of CP Violation in $B^+ \rightarrow \bar{D}^0 \pi^+$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 031801	7.4	18
277	Measurement of the CP Asymmetry in $B_{s^0} \rightarrow B^0$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 117, 061803	7.4	18
276	Searches for ( $\Lambda_b^0$ ) and ( $\Xi_b^0$ ) decays to ( $K_{\text{charm}}^0 \pi^+$ ) and ( $K_{\text{charm}}^0 \pi^0$ ) final states with first observation of the ( $\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^+$ ) decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
275	Angular analysis of charged and neutral $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
274	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 041801	7.4	18
273	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
272	Measurement of the inclusive $\gamma$ cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 703, 267-273	4.2	18
271	Observation of the decay $B_s^0 \rightarrow \bar{D}^0 \pi^0$ and evidence for $B^0 \rightarrow \bar{D}^0 \pi^0$ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	17
270	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132002	7.4	17
269	Measurement of the forward energy flow in collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2421	4.2	17
268	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	17
267	Measurement of forward Z $\rightarrow e^+ e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	17
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265	Observation of $B(s)(0) \rightarrow f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle. <i>Physical Review Letters</i> , <b>2014</b> , 112, 091802	7.4	17
264	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2P)$ production. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
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262	Search for CP violation in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	17
261	Measurement of the $B_s^0 \rightarrow \bar{B}^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	17

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259	Study of $B_c^+$ decays to the $K^+K^0$ 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
258	First Experimental Study of Photon Polarization in Radiative $B_{(s)}^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021801	7.4	16
257	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
256	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^0$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241801	7.4	16
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254	Measurement of the effective $B_{s0} \rightarrow K^+K^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 349-356	4.2	16
253	Observation of $B(2S) \rightarrow \pi^0$ and search for $X(3872) \rightarrow \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 305-313	4.2	16
252	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	16
251	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , <b>2015</b> , 115, 112001	7.4	16
250	Amplitude analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	16
249	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^0 \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
248	Observations of $\pi^0$ . <i>Nuclear Physics B</i> , <b>2013</b> , 871, 403-419	2.8	16
247	Measurement of the branching fractions of the decays $B_{s0} \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 K^0$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	16
246	Observation of $B(s)(0) \rightarrow J/\psi(2S) \pi^0$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , <b>2012</b> , 108, 151801	7.4	16
245	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
244	Measurement of CP observables in $B_{(s)}^0 \rightarrow D^0 K^0$ and $B_{(s)}^0 \rightarrow D^0 \pi^0$ 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
243	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15



242	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
241	Search for CP violation in the decay $B \rightarrow \pi^0 \rho^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 585-595	4.2	15
240	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ oscillation frequency $\Delta m_d$ with the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \rho^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 318-325	4.2	15
239	Observation of the $B^0 \rightarrow \pi^0 \rho^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 265-273	4.2	15
238	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P10005-P10005		
237	Measurement of CP asymmetries in the decays $B^0 \rightarrow \rho^0 \pi^0$ and $B^+ \rightarrow \rho^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	15
236	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , <b>2014</b> , 113, 082003	7.4	15
235	Measurements of the branching fractions of the decays $B^0 \rightarrow D^+ \pi^- K^0$ and $B^0 \rightarrow D^0 \pi^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5.4	15
234	Measurement of the polarization amplitudes in $B^0 \rightarrow \rho^0 K^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	15
233	Observation of $\Lambda_b^0 \rightarrow p K^0$ and $\Lambda_b^0 \rightarrow n K^0$ decays and a measurement of the $\Lambda_b^0$ baryon mass. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	15
232	Measurement of the properties of the $\Lambda_b^0$ baryon. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	15
231	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^*(5747)^{0,+}$ states and observation of $B_{(s)}$ mass structures. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
230	Measurement of indirect CP asymmetries in $D^0 \rightarrow \rho^0 K^+$ and $D^0 \rightarrow \rho^0 \pi^+$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	14
229	Search for CP violation in $D \rightarrow \rho^0 \pi^0$ and $(D^+ \rightarrow K^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
228	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 h^+ h'^-$ decays with first observation of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 K^+ \pi^-$ and $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 \pi^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	14
227	Observation of $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , <b>2013</b> , 73,	4.2	14
226	Observation of the suppressed ADS modes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 723, 44-53	4.2	14
225	Observation of $D^0$ Meson Decays to $\pi^+ \pi^- \pi^0$ and $K^+ K^- \pi^0$ Final States. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181805	7.4	14

224	Evidence for the Strangeness-Changing Weak Decay $B^+ \rightarrow B^0 \pi^+$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 241801	7.4	14
223	Evidence for CP violation in $B^+ \rightarrow \rho^+ K^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141801	7.4	14
222	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
221	First measurement of the CP-violating phase in $B_s(0) \rightarrow \rho^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 241802	7.4	14
220	First observation of $B^0 \rightarrow \rho^+ K^-$ and search for $B^0 \rightarrow \rho^0 \pi^+$ decays. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	14
219	Search for rare $B(0) \rightarrow (\rho^+ \pi^-) \pi^+$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 211801	7.4	14
218	First observation of the decay $B^0 \rightarrow \rho^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 706, 32-39	4.2	14
217	Measurement of the $B^0(s)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , <b>2012</b> , 109, 152002	7.4	14
216	Angular Analysis of the $B^+ \rightarrow \rho^+ K^+ \pi^-$ Decay. <i>Physical Review Letters</i> , <b>2021</b> , 126, 161802	7.4	14
215	Search for the lepton-flavour violating decay $D^0 \rightarrow \rho^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 167-175	4.2	14
214	Amplitude Analysis of $B^+ \rightarrow \rho^+ K^+ K^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231802	7.4	14
213	Model-Independent Observation of Exotic Contributions to $B^+ \rightarrow \rho^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152002	7.4	13
212	Study of the rare $B_s^0$ and $B^0$ decays into the $\psi(3700)$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 46-55	4.2	13
211	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
210	Studies of the resonance structure in $D^0 \rightarrow \rho^+ K^- \pi^+$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	13
209	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	13
208	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> , <b>2013</b> , 2013, 1	5.4	13
207	Observation of the decay $B_s^0 \rightarrow \rho^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 403-411	4.2	13

206	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 111803	7.4	13
205	Resonances and CP violation in $B^0$ s and ( $\overline{B}^0 \rightarrow J/\psi K^+ K^-$ ) decays in the mass region above the $\psi(1020)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
204	Study of CP violation in $B^0 \rightarrow D^0 h^0$ ( $h=K, \pi$ ) with the modes $D^0 \rightarrow K^0, D^0 \rightarrow \pi^0$ and $D^0 \rightarrow K^0 K^0$ . <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	13
203	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
202	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D \rightarrow K S^0$ decays. <i>Nuclear Physics B</i> , <b>2014</b> , 888, 169-193	2.8	13
201	Measurement of CP violation in $B_s^0 \rightarrow \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	13
200	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 369-377	4.2	13
199	Search for the doubly charmed baryon ( $\Xi_{cc}^{++}$ ). <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	13
198	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
197	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 253-262	4.2	13
196	Search for the Lepton-Flavor-Violating Decays $B_{s^0} \rightarrow \mu^+ \mu^-$ and $B^+ \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 211801	7.4	13
195	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	13
194	Measurement of $B^+$ , $B^0$ and $\overline{B}^0$ production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	12
193	Measurement of CP violation parameters and polarisation fractions in ( $\overline{B}^0 \rightarrow J/\psi \overline{K}^0$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
192	Observation of the decay $B^0 \rightarrow \pi^0 K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 484-494	4.2	12
191	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , <b>2014</b> , 112, 111802	7.4	12
190	A study of CP violation in $B^0 \rightarrow D^0 K^0$ 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
189	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^0 \pi^0)/B(B^0 \rightarrow \pi^0 \pi^0)$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	12

188	Measurement of the $\alpha$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 172-179	4.2	12
187	Measurement of $V_{cb}$ production ratios in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	12
186	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 282-292	4.2	12
185	Measurement of the $\Lambda_c^+$ Baryon Lifetime. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092003	7.4	12
184	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 177-187	4.2	11
183	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^0$ in the $K^*_{0,2}(1430) \pi^0$ region. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
182	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	11
181	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 721, 24-31	4.2	11
180	Measurement of the CP Violation Parameter $A_{CP}$ in $D^+ \rightarrow K^+ K^- K^+$ and $D^+ \rightarrow \pi^+ \pi^- \pi^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 261803	7.4	11
179	Measurement of the branching fraction ratio $B(B_c^+ \rightarrow \pi^+ S^0)/B(B_c^+ \rightarrow \pi^+ \pi^0)$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	11
178	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	11
177	Measurement of CP violation parameters in $B^0 \rightarrow \bar{D}^+ K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11
176	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 151801	7.4	11
175	Studies of the decays $B^+ \rightarrow \rho^+ \pi^+$ and observation of $B^+ \rightarrow \rho(1520) \pi^+$ . <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
174	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
173	Updated determination of $D^0 \bar{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	11
172	Observation of New Resonances Decaying to $J/\psi K^+$ and $J/\psi \pi$ . <i>Physical Review Letters</i> , <b>2021</b> , 127, 082001	7.4	11
171	Study of charmonium production in $\gamma$ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 609	4.2	10

170	Observation of New $\Lambda_c^0$ Baryons Decaying to $\Lambda_c^+ K^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 222001	7.4	10
169	Measurement of CP observables in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 16-30	4.2	10
168	Study of $\Lambda(1520)$ 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
167	First observation of the decay $D^0 \rightarrow K^0 \pi^0$ in the $D^0$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 558-567	4.2	10
166	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
165	Measurement of the charge asymmetry in $B^0 \rightarrow D^0 K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 85-94	4.2	10
164	Search for the rare decay $(K_{\text{S}}^0 \rightarrow \mu^+ \mu^-)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	10
163	Measurement of the effective $\beta$ . <i>Nuclear Physics B</i> , <b>2013</b> , 873, 275-292	2.8	10
162	Measurement of $B_{\text{S}}^0$ and $D_{\text{S}}^0$ Meson Lifetimes. <i>Physical Review Letters</i> , <b>2017</b> , 119, 101801	7.4	10
161	Observation of the suppressed decay $D^0 \rightarrow b^- \bar{p} \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
160	Measurement of $B^0$ , $B_{\text{S}}^0$ , $B^+$ and $B^0$ production asymmetries in 7 and 8 TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 139-158	4.2	10
159	First Observation of a Baryonic $B_{\text{S}}^0$ Decay. <i>Physical Review Letters</i> , <b>2017</b> , 119, 041802	7.4	10
158	Search for the decay $(B_{\text{S}}^0 \rightarrow \overline{D}^0 \{f\}_0(980))$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	10
157	Measurement of the $B_{\text{S}}^0$ meson lifetime in $D_{\text{S}}^+ \rightarrow B_{\text{S}}^0 \pi^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
156	Observation of charmonium pairs produced exclusively in $pp$ collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 115002	2.9	10
155	Measurement of CP asymmetry in $B^0 \rightarrow D^0 \pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	10
154	Measurement of the effective $\beta$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 393-400	4.2	10
153	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05010-P05010	1	10

152	Search for $B_c^+$ decays to the $p\bar{p}^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 313-321	4.2	10
151	Measurement of the mass and production rate of $B^0$ baryons. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	9
150	Determination of $\Delta\alpha_{\text{em}}$ 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
149	A measurement of the CP asymmetry difference between $\Lambda^0 \rightarrow \bar{p}K^0$ and $p^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	9
148	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^+ K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 446-454	4.2	9
147	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K^0 S^0$ and $B^+ \rightarrow K^0 K^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 646-655	4.2	9
146	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \bar{f} J/\psi S^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	9
145	Observation of the $B^0 \rightarrow \bar{D}^0$ decay from an amplitude analysis of $B^0 \rightarrow \bar{f} J/\psi D^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 468-478	4.2	9
144	Study of $B^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 K^+$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	9
143	First observation of the decays $B^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 K^+$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	9
142	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
141	Search for CP violation in $B^0 \rightarrow \bar{f} K^0$ and $B^0 \rightarrow \bar{f} K^+$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 787, 124-133	4.2	9
140	Search for the rare decay $B^+ \rightarrow \bar{f} J/\psi$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	9
139	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow K^+ K^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 307-316	4.2	8
138	Observation of $B_c^+ \rightarrow \bar{D}^0 K^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
137	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^0 K^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
136	Measurement of the Charm-Mixing Parameter $y_{\text{CP}}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 011802	7.4	8
135	Study of $\Delta\alpha_{\text{em}}$ mixing from measurement of $B^0 \rightarrow \bar{f} J/\psi$ decay rates. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	8

134	Determination of quantum numbers for several excited charmed mesons observed in $B\bar{D}^{*+}\pi$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	8
133	Measurement of branching fractions of charmless four-body $\bar{D}^0 b$ and $\bar{D}^0 \bar{b}$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
132	Evidence for the Rare Decay $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221803	7.4	8
131	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \bar{K}^{*0} \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
130	Search for the decay $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 234-243	4.2	8
129	Observation of $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^-$ . <i>Nuclear Physics B</i> , <b>2013</b> , 874, 663-678	2.8	8
128	$\bar{D}^0$ and $\bar{D}^0$ Resonance Parameters with the Decays $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 221801	7.4	8
127	Measurement of the $B\bar{D}^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	8
126	Measurement of the $B^0 \rightarrow \bar{b} \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \bar{b} \pi^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	8
125	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
124	Search for CP violation in $D^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and $D^0 \rightarrow \bar{K}^0 \pi^+ \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
123	First observation of the decays $B(0) \rightarrow \bar{D}^0 K^-(\pi^+ \pi^-)$ and $B(-) \rightarrow \bar{D}^0 K^-(\pi^+ \pi^-)$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 161801	7.4	8
122	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
121	Measurement of forward W production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
120	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow \bar{K}^+ \pi^0 e^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 241802	7.4	8
119	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \bar{K}^+ \pi^- \pi^+ \pi^-$ and $D^0 \rightarrow \bar{K}^+ K^+ \pi^- \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2018</b> , 121, 091801	7.4	8
118	Measurements of the branching fractions of $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^-$ , $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^0$ , and $\bar{D}^0 \rightarrow \bar{b} \pi^+ \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	8
117	Search for the CP-violating strong decays $\bar{D}^0$ and $\bar{D}^0(958) \rightarrow \bar{b} \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 233-240	4.2	7

116	Observation of the Decay $B^0 \rightarrow \bar{B} K^* K^*$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 071801	7.4	7
115	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 678	4.2	7
114	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
113	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
112	Observation of the $B^0 \rightarrow \bar{B}^0$ decay. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
111	Observation of the decay $B^0 \rightarrow \bar{B}^0 \mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 784, 101-111	4.2	7
110	First Observation of the Radiative Decay $B^0 \rightarrow \bar{B}^0 \gamma$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 031801	7.4	7
109	Observation of associated production of a Z boson with a D meson in the forward region. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	7
108	First evidence for the two-body charmless baryonic decay $\Lambda_b^0 \rightarrow \bar{p} \Lambda^0$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	7
107	First observation of the decay $(B_s^0 \rightarrow \bar{K}^* \Lambda^0)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7
106	Search for CP violation in the phase space of $D^0 \rightarrow \bar{D}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 345-356	4.2	7
105	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
104	Search for the rare decays $B^0 \rightarrow \bar{B}^0$ and $B_s^0 \rightarrow \bar{B}_s^0$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	7
103	Observation of the $B(s)^0 \rightarrow \bar{B}^0$ Decay. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051801	7.4	7
102	First observations of the rare decays $B^+ \rightarrow \bar{K}^0 \pi^+ \pi^0$ and $B^+ \rightarrow \bar{K}^0 K^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	7
101	Search for CP violation in $(\{\{\varXi\}^+_{c}\} \rightarrow \{p\} \{K^-\} \{\pi^+\})$ decays using model-independent techniques. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
100	Measurement of $f_{s}/f_{u}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , <b>2020</b> , 124, 122002	7.4	7
99	Amplitude Analysis of the Decay $B^0 \rightarrow \bar{K}^*_{S^0} \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \bar{K}^*(892)^- \pi^+$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 261801	7.4	7



98	Measurement of the $B_{\mu}^0$ production asymmetry and the CP asymmetry in $B_{\mu}^0 \rightarrow \mu^+ \mu^- K_{\mu}^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	6
97	Measurement of $ V_{cb} $ with $B_{s0} \rightarrow D_{s1}^{(*)} \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	6
96	First measurement of the CP-violating phase ( $\phi_{s1}^{\overline{d}}$ ) in $B_{s0} \rightarrow \mu^+ \mu^- (K_{\mu}^0)$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
95	Measurement of the mass and lifetime of the $\Lambda_b$ baryon. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
94	Constraints on the unitarity triangle angle $\alpha$ from Dalitz plot analysis of $B_{s0} \rightarrow K^+ \mu^- \mu^+$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
93	Measurement of CP observables in $B_{s0} \rightarrow \mu^+ \mu^- K^0$ with $D \rightarrow K^+ K^- \mu^+$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
92	Searches for $(B_{s1}^0 \rightarrow J/\psi p) \overline{p}$ and $B \rightarrow J/\psi p \overline{p}$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
91	Measurement of CP asymmetries in $D_{\mu}^0 \rightarrow \mu^+ \mu^-$ and $D_{s1}^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 21-30	4.2	6
90	Observation of the decay $B_{s0} \rightarrow \mu^+ \mu^-$ and evidence for $B_{s0} \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	6
89	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
88	Measurement of CP asymmetries and polarisation fractions in ( $B_{s0} \rightarrow K^{\pm} K^{\mp} \mu^+ \mu^-$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
87	Search for the $\Lambda_b \rightarrow \mu^+ \mu^-$ and $\Lambda_b \rightarrow \mu^+ \mu^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
86	Observation of $B_{s1}^0 \rightarrow K^{\pm} K^{\mp} \mu^+ \mu^-$ and evidence for $B_{s1}^0 \rightarrow K^{\pm} K^{\mp} \mu^+ \mu^-$ decays. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123001	2.9	6
85	Search for the decay $B_{s0} \rightarrow \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	6
84	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
83	Measurement of the CKM angle $\alpha$ using $B_{s0} \rightarrow \mu^+ \mu^- K^0$ with $D \rightarrow K^+ K^- \mu^+$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	6
82	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 261801	7.4	6
81	Model-independent measurement of the CKM angle $\alpha$ using $B_{s0} \rightarrow \mu^+ \mu^- K^0$ decays with $D \rightarrow K^+ K^- \mu^+$ and $K^0 \rightarrow K^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	6

80	Observation of the decay $B_s^0 \rightarrow D^+ K^- K^0$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	6
79	First observation of $B^+ \rightarrow D^+ s^+ K^0$ decays and a search for $B^+ \rightarrow D^+ s^+ K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
78	Precise measurement of the $f_s/f_d$ ratio of fragmentation fractions and of $B_s^0$ decay branching fractions. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	6
77	Observation of charmless baryonic decays $B(s) \rightarrow \bar{p} \pi^+ h^0$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	5
76	Observation of the $(\Lambda_{\text{charm}}^0 \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
75	Observation of $B_{(s)}^0 \rightarrow D^+ K_{S^*}^-$ and Evidence for $B_{(s)}^0 \rightarrow D^+ K_{S^*}^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 161802	7.4	5
74	Observation of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	5
73	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	5
72	Study of $(\text{charm})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
71	Determination of the branching fractions of $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	5
70	Branching Fraction Measurements of the Rare $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ and $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2021</b> , 127, 151801	7.4	5
69	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	5
68	Measurement of the ratio of branching fractions $(\text{BR}(B \rightarrow J \psi K^+ \pi^0) / \text{BR}(B \rightarrow J \psi K^+ \pi^0))$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
67	Observation of $B_s^0 \rightarrow D^+ K^-$ and search for $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
66	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	5
65	Measurement of forward $t\bar{t}$ , $W+bb$ and $W+cc$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 110-120	4.2	4
64	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2017</b> , 77, 72	4.2	4
63	Observation of $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191804	7.4	4

62	Search for the Rare Decays $B_{(s)}^0 \rightarrow \bar{c} e^+$ and $B^0 \rightarrow \bar{c} e^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 211802	7.4	4
61	Measurement of $\chi_{cc}^{++}$ production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , <b>2020</b> , 44, 022001	2.2	4
60	Measurement of CP asymmetry in $B^0 \rightarrow \bar{D}^+ K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
59	Search for $B_{c^+}$ decays to two charm mesons. <i>Nuclear Physics B</i> , <b>2018</b> , 930, 563-582	2.8	4
58	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
57	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
56	Evidence for the two-body charmless baryonic decay ( $\Lambda_b^+ \rightarrow \bar{p} \Lambda^0$ ). <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
55	First Observation of the Rare Purely Baryonic Decay $\Lambda_b^+ \rightarrow \bar{p} p$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 232001	7.4	4
54	Measurement of CP observables in $B_{(s)}^0 \rightarrow \bar{D}^0 K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
53	Updated branching fraction measurements of $B_{(s)}^0 \rightarrow \bar{K}^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	4
52	Study of $B_{(s)}^0 \rightarrow \bar{D}^0 K^0$ and $B_{(s)}^0 \rightarrow \bar{D}^0 K^0$ decays and determination of the CKM angle $\alpha$ <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	4
51	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \bar{D}^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	4
50	Time alignment of the front end electronics of the LHCb calorimeters. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P08020-P08020	1	4
49	Search for CP violation and observation of P violation in $B^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	4
48	Observation of Multiplicity Dependent Prompt $c(3872)$ and $\chi_{c1}$ Production in pp Collisions. <i>Physical Review Letters</i> , <b>2021</b> , 126, 092001	7.4	4
47	Measurement of the $B_{(s)}^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 484-492	4.2	4
46	Measurement of the $B_{(c)}$ meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	4
45	Observation of a new $B^0$ state. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	4

44	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	3
43	First observation of the rare $B^+ \rightarrow \pi^+ K^0$ decay. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
42	Measurement of the $B_s^0 \rightarrow D_s^{(*)+} D_s^{(*)-}$ branching fractions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
41	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
40	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
39	Observation of a New Excited $D_{s1}^+$ Meson in $B^0 \rightarrow D^{*+} K^0$ Decays. <i>Physical Review Letters</i> , <b>2021</b> , 126, 122002	7.4	3
38	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\pm} \text{jet})$ decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
37	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P11023-P11023	1	3
36	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 232001	7.4	3
35	Search for long-lived particles decaying to $(e^{\pm} \mu^{\pm}) (\mu^{\pm} \nu)$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
34	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4.2	3
33	Search for the doubly heavy baryons $\Lambda_{cc}^+$ and $\Sigma_{cc}^+$ decaying to $\Lambda_c^+ \pi^0$ and $\Lambda_c^+ \pi^+$ . <i>Chinese Physics C</i> , <b>2021</b> , 45, 093002	2.2	3
32	Measurement of the relative $B \rightarrow D^0 D^{*0} \pi^0$ branching fractions using $B \rightarrow \pi \pi$ mesons from $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
31	Measurement of the CP-violating phase $\gamma$ from $B_s^0 \rightarrow \pi^+ \pi^-$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134789	4.2	2
30	Search for CP Violation in $D_{s1}^+ \rightarrow K_S^0 \pi^+$ , $D^+ \rightarrow K_S^0 K^+$ , and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191803	7.4	2
29	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
28	Observation of the $B^+ \rightarrow \pi^+ K^0$ decay. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	2
27	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	2

26	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 041801	7.4	2
25	Isospin Amplitudes in $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 111802	7.4	2
24	Measurement of CP-Violating and Mixing-Induced Observables in $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 081802	7.4	2
23	Observation of new excited $B^0_{(s)}$ states. <i>European Physical Journal C</i> , <b>2021</b> , 81,	4.2	2
22	Search for CP violation in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	2
21	Constraints on the $K_{S^0} \rightarrow \mu^+ \mu^-$ Branching Fraction. <i>Physical Review Letters</i> , <b>2020</b> , 125, 231801	7.4	1
20	Measurement of the branching fraction of the decay $B_{s0} \rightarrow K_S^0 K_S^0$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	1
19	First observation of the decay $B^0 \rightarrow D^0 K^+ K^-$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	1
18	First observation of forward $Z \rightarrow b\bar{b}$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 430-439	4.2	1
17	Search for the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	1
16	Search for Baryon-Number Violating $B^0$ Oscillations. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181807	7.4	1
15	Measurement of the $B_{s0} \rightarrow \mu^+ \mu^-$ decay properties and search for the $B^0 \rightarrow \mu^+ \mu^-$ and $B_{s0} \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	1
14	Measurement of the relative branching fractions of $B^+ \rightarrow \mu^+ \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	1
13	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 125, 212001	7.4	1
12	Search for the rare decay $B^0 \rightarrow \mu^+ \mu^-$ . <i>Chinese Physics C</i> , <b>2021</b> , 45, 043001	2.2	1
11	Deep Learning approach to LHCb Calorimeter reconstruction using a Cellular Automaton. <i>EPJ Web of Conferences</i> , <b>2021</b> , 251, 04008	0.3	1
10	Use of Deep Learning to Improve the Computational Complexity of Reconstruction Algorithms in High Energy Physics. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11467	2.6	1
9	Evidence for a New Structure in the $J/\psi$ and $J/\psi[\text{over } \chi]$ Systems in $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ Decays.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 062001	7.4	0

8	First measurement of the (C!P)-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	o
7	Observation of the $B^0 \rightarrow K^+K^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 815, 136172	4.2	o
6	Search for the doubly charmed baryon $\Xi_{cc}$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	o
5	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2021</b> , 127, 111801	7.4	o
4	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, P02028	1	o
3	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 082001	7.4	o
2	Observation of Two New Excited $\chi_{(b)}^0$ States Decaying to $\chi_{(b)}^0 K^+ K^-$ .. <i>Physical Review Letters</i> , <b>2022</b> , 128, 162001	7.4	o
1	Centrality determination in heavy-ion collisions with the LHCb detector. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, P05009	1	o