

Xavier Cid Vidal

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.

530
papers

18,392
citations

63
h-index

110
g-index

541
ext. papers

21,933
ext. citations

5.4
avg. IF

6.04
L-index

#	Paper	IF	Citations
530	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
529	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \Lambda^0 \bar{K}^0 p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
528	Test of lepton universality using $b \rightarrow c \tau \nu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
527	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
526	Observation of the rare $B(s) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
525	Measurement of the ratio of branching fractions $B(B \rightarrow \mu^+ \mu^-) / B(B \rightarrow e^+ e^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
524	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
523	Test of lepton universality with $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
522	First evidence for the decay $B(s) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
521	Observation of the Doubly Charmed Baryon Λ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
520	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
519	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
518	Angular analysis of the $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
517	Measurement of the $B_s \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
516	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
515	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> , 2019 , 122, 222001	7.4	199
514	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163

513	Observation of Five New Narrow χ_{c^0} States Decaying to $\chi_{c^+}K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
512	Evidence for CP violation in time-integrated $D^0 \rightarrow h^+ h^-$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
511	Strong constraints on the rare decays $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
510	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
509	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow s \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
508	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
507	Measurement of the Ratio of the $B^+ \rightarrow D^{*-} \mu^+ \mu^+$ and $B^+ \rightarrow D^{*-} \mu^+ \mu^+$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
506	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
505	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
504	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \mu^+ \mu^+) / B(B_{c^+} \rightarrow \mu^+ \mu^+)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
503	Measurement of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
502	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*0} \mu^+ \mu^-$ branching fraction using three-prong decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
501	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> , 2017 , 118, 191801	7.4	106
500	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
499	Observation of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
498	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
497	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \mu^+ \mu^+ K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
496	Measurement of the CP-violating phase $\arg(\lambda)$ in the decay $B(s)(0) \rightarrow J/\psi \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95

495	Evidence for Exotic Hadron Contributions to $\Lambda_b^0 \rightarrow \Lambda \pi^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
494	Measurement of Λ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
493	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \Lambda \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
492	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	86
491	Model-Independent Evidence for J/ψ Contributions to $\Lambda_b^0 \rightarrow \Lambda \pi^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
490	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013 , 40, 045001	2.9	85
489	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
488	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	7.4	87
487	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83
486	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
485	Evidence for the decay $\Lambda_b^0 \rightarrow \Lambda \pi^0$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
484	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
483	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	78
482	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
481	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
480	Search for Majorana neutrinos in $B^- \rightarrow \mu^- \bar{\nu}_\mu$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
479	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
478	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \pi^0$ and $B^0 \rightarrow K^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70

477	Observation of CP violation in $B_{\mu}^{\pm} \rightarrow D K_{\mu}^{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
476	Study of D J meson decays to $D + \pi D 0_{\mu}$ and $D^{*+} \pi$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
475	Observation of excited $\Lambda(b)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
474	Measurement of CP violation and the B_{s0} meson decay width difference with $B_{s0} \rightarrow \bar{K} + K_{\mu}$ and $B_{s0} \rightarrow \pi + \pi$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
473	First observation of $B_{s0} \rightarrow \bar{B} 0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
472	Measurements of prompt charm production cross-sections in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	65
471	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0}(\pi^{\pm})\pi^{\mp}$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
470	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
469	Search for Structure in the $B_{\mu} \rightarrow \pi \pi$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
468	Differential branching fraction and angular analysis of the $B \rightarrow \pi K + \pi \pi$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
467	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
466	Measurement of CP violation in the phase space of $B_{\mu} \rightarrow \pi K + K - \pi$ and $B_{\mu} \rightarrow \pi \pi \pi$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
465	Observation of overlapping spin-1 and spin-3 $D 0 K^{-}$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
464	Study of J/ ψ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
463	Inclusive W and Z production in the forward region at $(\sqrt{s} = 7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
462	Search for $A^{\pm} \rightarrow \pi^{\pm} \pi^{\mp}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
461	Measurement of the isospin asymmetry in $B \rightarrow \pi K^{*} \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
460	Analysis of the resonant components in $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2012 , 86,	4.9	59

459	Production of J/ψ and (ψ') mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	58
458	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b(-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7-4	57
457	Amplitude analysis of $B \rightarrow \psi' K$ decays. <i>Physical Review D</i> , 2017 , 95,	4-9	56
456	Performance of the Muon Identification at LHCb. <i>Journal of Instrumentation</i> , 2013 , 8, P10020-P10020	1	56
455	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 241-248	4-2	55
454	Observation of the decay $B(c)(+) \rightarrow \psi' B(s)(0)$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7-4	55
453	Determination of the sign of the decay width difference in the $B(s)(0)$ system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7-4	55
452	Search for the $X(4140)$ state in $B \rightarrow \psi' K$ decays. <i>Physical Review D</i> , 2012 , 85,	4-9	55
451	Differential branching fraction and angular analysis of $B \rightarrow \psi' \pi$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
450	Measurement of resonant and CP components in $B \rightarrow \psi' \pi$ decays. <i>Physical Review D</i> , 2014 , 89,	4-9	54
449	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7-4	54
448	Precision measurement of CP violation in $B(S)(0) \rightarrow \psi' B+K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7-4	53
447	Dalitz plot analysis of $B^0 \rightarrow \psi' \pi$ decays. <i>Physical Review D</i> , 2015 , 92,	4-9	53
446	Measurements of $B(c)+$ production and mass with the $B(c)+ \rightarrow \psi' \pi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7-4	53
445	Measurement of the resonant and CP components in $B \rightarrow \psi' \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	52
444	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7-4	51
443	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5-4	51
442	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020 , 47, 090501	2-9	51

441	Observation of a New χ_{b1}^{\prime} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
440	First observation of the decay $B(c)^+ \rightarrow J/\psi K^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
439	Precision measurement of the $B_0 \rightarrow D_0^* \ell^+ \ell^-$ oscillation frequency with the decay $B_0 \rightarrow D_0^* \ell^+ \ell^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
438	Analysis of the resonant components in $B \rightarrow D^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
437	Search for long-lived scalar particles in $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
436	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
435	Measurements of the S-wave fraction in $B \rightarrow K^* \ell^+ \ell^-$ decays and the $B \rightarrow K^* \ell^+ \ell^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
434	Evolution of iron overload in patients with low-risk myelodysplastic syndrome: iron chelation therapy and organ complications. <i>Annals of Hematology</i> , 2015 , 94, 779-87	3	47
433	Measurement of forward J/ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	47
432	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \ell^+ \ell^- \ell^+$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
431	Searches for Majorana neutrinos in $B \rightarrow \ell^+ \ell^- \ell^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
430	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
429	Observation of $B_c \rightarrow D_s^+ \ell^+ \ell^-$ and $B_c \rightarrow D_s^{*+} \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
428	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.2	6.2	45
427	Measurement of B meson production cross-sections in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
426	Observation of $D_0^+ - D_0^0$ oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
425	Amplitude analysis of $B \rightarrow D^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
424	Measurement of the Lifetime of the Doubly Charmed Baryon χ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44

4 ²³	Precision measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
4 ²²	Measurement of the cross-section for Z -fe+e- production in pp collisions at (sqrt{s}=7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
4 ²¹	First evidence of direct CP violation in charmless two-body decays of Bs0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7.4	43
4 ²⁰	Observation of a resonance in B+ -fk+ □□ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
4 ¹⁹	Measurement of CP asymmetry in D 0 -fk K + and D 0 -f□□+ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
4 ¹⁸	Measurement of the Bs0B□s0 oscillation frequency □hs in Bs0-□s(B)□ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
4 ¹⁷	Measurement of the exclusive □ production cross-section in pp collisions at (sqrt{s}=7) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
4 ¹⁶	Measurement of the ratio of prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
4 ¹⁵	First observation of the decay Bs2*(5840)(0)-B*+ K- and studies of excited Bs(0) mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
4 ¹⁴	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> , 2015 , 75, 311	4.2	41
4 ¹³	Search for the doubly charmed baryon (Xi_{cc}^{+}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
4 ¹²	Measurements of the B0-□/□ decay amplitudes and the B0 polarisation in pp collisions at s=7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
4 ¹¹	Measurement of the cross-section ratio . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
4 ¹⁰	Search for the Decays B_{s}^{0}-B_{+}^{0}□{-} and B^{0}-B_{+}^{0}□{-}. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
4 ⁰⁹	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
4 ⁰⁸	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
4 ⁰⁷	Differential branching fraction and angular analysis of the decay B0 -fk*0 □ □ <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
4 ⁰⁶	Measurement of the b-Quark Production Cross Section in 7 and 13□TeV pp Collisions. <i>Physical Review Letters</i> , 2017 , 118, 052002	7.4	36

405	First observation of the decay ($B_c^+ \rightarrow J/\psi K^+$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	36
404	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4-2	35
403	Measurement of B_c^+ Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 132001	7-4	35
402	Measurement of B_c^+ polarisation in B_c^+ collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4-2	35
401	Observation of two new $\Lambda_b^{(0)}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7-4	35
400	First observation of the decay $B \rightarrow \tau^+ \tau^- \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	35
399	Search for lepton number violating decays $B \rightarrow \tau^+ \mu^- \mu^+$ and $B \rightarrow \tau^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7-4	35
398	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	34
397	Measurement of the CP violating phase β_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4-2	34
396	Quantum numbers of the X(3872) state and orbital angular momentum in its $D^0 J/\psi$ decay. <i>Physical Review D</i> , 2015 , 92,	4-9	34
395	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> , 2013 , 111, 251801	7-4	34
394	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
393	Study of the $D^0 \rightarrow \rho^+ \pi^-$ amplitude in $D^0 \rightarrow \rho^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	33
392	Measurement of the CP-violating phase β_1 in $B \rightarrow \rho^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4-2	33
391	Measurement of the CKM angle β_1 from a combination of $B \rightarrow \rho^+ \pi^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4-2	33
390	Study of $\chi_{c0}(\mathbf{b})$ Λ_b meson production in $p \bar{p}$ collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2014 , 74,	4-2	33
389	Measurement of the β_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4-2	33
388	New axion searches at flavor factories. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	32

387	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
386	Measurement of the [Formula: see text] meson lifetime using [Formula: see text] decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4.2	32
385	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
384	Amplitude analysis and branching fraction measurement of $B \rightarrow D^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
383	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5$ TeV proton-lead collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 473-483	4.2	32
382	Measurement of the relative rate of prompt τ^0 , τ^1 and τ^2 production at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
381	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
380	Measurement of the flavour-specific CP-violating asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 607-615	4.2	31
379	Measurement of the CP-violating phase. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
378	Measurement of the. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
377	Study of the kinematic dependences of $D^0 b$ production in pp collisions and a measurement of the $D^0 b \rightarrow D^0 c$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
376	Search for $D(s) \rightarrow \pi^0 \pi^0$ and $D(s) \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
375	First observation and amplitude analysis of the $B \rightarrow D^0 K^0$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
374	Precision measurement of the mass and lifetime of the $(b)(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
373	Observation of the $D^0 b \rightarrow D^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
372	Observation of photon polarization in the $b \rightarrow \pi^0$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
371	Search for the rare decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
370	Measurement of the ratio of branching fractions $B(B \rightarrow D^0 \pi^0)/B(B \rightarrow D^0 \pi^0)$ and the direct CP asymmetry in $B \rightarrow D^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29

369	Search for direct CP violation in $B \rightarrow K^* \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
368	Measurement of the differential branching fraction of the decay $B \rightarrow K^* \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
367	Observation of Two Resonances in the $B \rightarrow K^* \ell^+ \ell^-$ Systems and Precise Measurement of $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
366	Measurement of the semileptonic CP asymmetry in $B_0 \rightarrow B_0$ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
365	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=2.76;\text{TeV})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	28
364	Observation of the decay $B_c \rightarrow \psi(2S) \ell^+ \ell^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
363	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\text{N}};\text{TeV}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
362	Addendum: Observation of double charm production involving open charm in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
361	Study of (χ_c) production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{\text{NN}}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
360	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> , 2013 , 724, 36-45	4.2	27
359	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow K^* \ell^+ \ell^-$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	27
358	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
357	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
356	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
355	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
354	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^* \ell^+ \ell^-$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
353	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> , 2016 , 116, 191601	7.4	25
352	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25

351	Evidence for the decay $B^0 \rightarrow \bar{D}^0 \pi^0$ and measurement of the relative branching fractions of B_s^0 meson decays to J/ψ and $J/\psi \pi^0$. <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
350	Measurement of the J/ψ pair production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
349	Model-independent confirmation of the $Z(4430)$ state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
348	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow \bar{D}^0 \pi^+$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4.2	25
347	Studies of beauty baryon decays to $D^0 p \pi^0$ and $\bar{D}^0 h^0 \pi^0$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
346	Search for the lepton-flavor-violating decays $B(s) \rightarrow \bar{e}(\mu) \tau$ and $B^0 \rightarrow \bar{e}(\mu) \tau$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
345	First observation of $B_c^0 \rightarrow D_s^2 \pi^0 X$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 14-20	4.2	25
344	Production of associated Υ and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
343	Measurement of charged particle multiplicities in pp collisions at ($\sqrt{s}=7$ TeV) in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
342	Measurement of the CP-violating phase $\arg(\lambda_{cb})$ in $B^0 \rightarrow \bar{D}^0 \pi^0$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 38-49	4.2	24
341	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
340	Study of $D^+ \rightarrow K^+ \pi^0$ decays to $\{D^+ K^+ \pi^0\}$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
339	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
338	Search for the rare decay $D^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
337	Measurement of the shape of the $B^0 \rightarrow \bar{D}^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
336	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
335	Measurement of the ratio of B_c^+ branching fractions to J/ψ and $J/\psi \pi^0$ final states. <i>Physical Review D</i> , 2014 , 90,	4.9	23
334	Measurement of prompt hadron production ratios in pp collisions at ($\sqrt{s} = 0.9$ and 7 TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23

333	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B^0 \rightarrow K^+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
332	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	23
331	Search for the lepton flavour violating decay $\mu \rightarrow e \gamma$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
330	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
329	Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
328	Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	22
327	First observation of the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
326	Measurement of the $B^0 \rightarrow K^* e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22
325	Observation of the Decays $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
324	Measurement of CP Violation in $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
323	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> , 2015 , 2015, 1	5.4	22
322	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> , 2014 , 739, 218-228	4.2	22
321	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	22
320	Observation of $B^0 \rightarrow \pi^0 K^+ K^-$ and evidence for $B(s) \rightarrow \pi^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
319	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
318	Forward production of Υ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
317	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
316	Measurement of the CP asymmetry in $B(0) \rightarrow K^*(0) \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21

315	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
314	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text] TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
313	Observation of the decay $(B_c^{+}) \rightarrow J/\psi + K^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
312	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
311	Angular analysis of the $B^0 \rightarrow K^*0 e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	20
310	Study of forward Z + jet production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	20
309	A model-independent Dalitz plot analysis of $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
308	Measurements of the branching fractions for $B(s) \rightarrow D(s) \pi$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
307	Prompt $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 69-80	4.2	20
306	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
305	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
304	Model-independent search for CP violation in $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4.2	19
303	Measurement of the CKM angle α using $B^0 \rightarrow \pi^+ \pi^- K^0$ with $D \rightarrow \pi^+ \pi^- K^0$ and $D \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
302	Measurement of the B^0 production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
301	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
300	First observations of $B^0 \rightarrow D^+ D^-$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
299	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
298	Observation of an Excited B_c^{+} State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18

297	First Observation of Excited $\Upsilon\{b\}^{\{-\}}$ States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
296	Observation of Several Sources of CP Violation in $B^{\{+\}-\}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
295	Measurement of the CP Asymmetry in $B_{\{s\}}^{\{0\}}$ - $B_{\{s\}}^{\{0\}}$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
294	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\{S\}}^0 p^{\{-\}})$ and $(K_{\{S\}}^0 p^{\{+\}})$ final states with first observation of the $(\Lambda_b^0 \text{ to } K_{\{S\}}^0 p^{\{-\}})$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
293	Angular analysis of charged and neutral B $\rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
292	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
291	Measurement of relative branching fractions of decays to (2) and (1) mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
290	Observation of the decay $B_s^0 \rightarrow \mu^+ \mu^-$ and evidence for $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
289	Prospects for measurements with strange hadrons at LHCb. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
288	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
287	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
286	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
285	Measurement of forward Z $\rightarrow e^+ e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17
284	Measurement of the CP-violating phase ϕ_s in $B_s(0) \rightarrow D_s(+)\bar{D}_s(-)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7.4	17
283	Observation of $B(s)(0) \rightarrow J/\psi f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
282	Measurement of the $\Upsilon_b(3P)$ mass and of the relative rate of $\Upsilon_b(1P)$ and $\Upsilon_b(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
281	Measurement of the fraction of $\Upsilon(1S)$ originating from $B(1P)$ decays in pp collisions at $(\sqrt{s}=7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
280	Search for CP violation in $D^+ \rightarrow K^* K^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17

279	Measurement of the $B_s^0 \rightarrow \bar{K}^* 0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
278	Observations of $\bar{D}^0 \rightarrow \bar{K}^* 0$ and $\bar{D}^0 \rightarrow \bar{K}^* 0 + K^0$ decays and searches for other \bar{D}^0 and \bar{D}^0 decays to $\bar{B} + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
277	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> , 2016 , 94,	4.9	17
276	Angular moments of the decay $\bar{D}^0 \rightarrow \bar{K}^* 0$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
275	First Experimental Study of Photon Polarization in Radiative $B_{\{s\}}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
274	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> , 2015 , 740, 158-167	4.2	16
273	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow \bar{K}^* 0 \pi^+ \pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
272	Evidence for the decay $(\text{B}_{\text{charm}}^+ \rightarrow \{\text{J} \text{ left/} \{\uppsi; 3\uppsi^+\} 2\uppsi^-\})$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
271	Measurement of the effective $B_s^0 \rightarrow \bar{K}^* 0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
270	Observation of $B(2S) \rightarrow \rho p$ and search for $X(3872) \rightarrow \rho p$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
269	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	16
268	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	4.2	16
267	Amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
266	Search for CP violation using T-odd correlations in $D^0 \rightarrow \bar{K}^* 0 + K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
265	Observations of B_c^+ . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
264	Measurement of the branching fractions of the decays $B_s^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 K^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
263	Observation of $B(s)(0) \rightarrow f_1(1525) \pi$ in $J/\psi \rightarrow K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
262	Expression of interest for the CODEX-b detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	16

261	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
260	Measurement of CP observables in $B_{\pm} \rightarrow \bar{D}K_{\pm}$ and $B_{\pm} \rightarrow \bar{D}\pi_{\pm}$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 117-131	4.2	16
259	Search for the lepton-flavour violating decays $B^0(s) \rightarrow \tau e \mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
258	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
257	Search for CP violation in the decay $B \rightarrow \pi \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
256	Measurement of the $B^0 \rightarrow \pi^0$ oscillation frequency Δm_d with the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
255	Observation of the $B_{\pm} \rightarrow \pi^0 K_{\pm}$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
254	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005		
253	Measurement of CP asymmetries in the decays $B^0 \rightarrow \bar{K}^* \pi^0$ and $B^+ \rightarrow \bar{K}^* \pi^+$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
252	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
251	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} K^{\pm}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
250	Measurement of the polarization amplitudes in $B^0 \rightarrow \bar{K}^* (892)^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
249	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow \bar{K}^* \chi^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
248	Observation of $\Lambda_b^0 \rightarrow \bar{K}^* p K^0$ and $\Lambda_b^0 \rightarrow \bar{K}^* \Lambda^0 K^0$ decays and a measurement of the Λ_b^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
247	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
246	Evidence for the decay $(B^0 \rightarrow \bar{K}^* \pi^+ \pi^0)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
245	Precise measurements of the properties of the $B(5721)^0$ and $B^*(5747)^0$ states and observation of $B_{\pm} \rightarrow \pi^0 \pi^{\pm}$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
244	Measurement of indirect CP asymmetries in $D^0 \rightarrow \bar{K}^* K^+$ and $D^0 \rightarrow \bar{K}^* \pi^+$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14

243	Precision measurement of the \bar{B}_s^+ , B_s^+ , and B_s^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
242	Search for CP violation in $D \rightarrow \pi B$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
241	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 \pi^+ \pi^-$ decays with first observation of $B_s^0 \rightarrow K_{\text{charm}}^0 \pi^+ \pi^-$ and $B_s^0 \rightarrow K_{\text{charm}}^0 \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
240	Observation of $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
239	Observation of the suppressed ADS modes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 44-53	4.2	14
238	Observation of D^0 Meson Decays to $\pi^+ \pi^- \pi^+ \pi^-$ and $K^+ K^- \pi^+ \pi^-$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
237	Evidence for the Strangeness-Changing Weak Decay $B_c^+ \rightarrow B_c^0 \pi^+$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
236	Evidence for CP violation in $B^+ \rightarrow \rho^+ K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
235	Measurement of the forward W boson cross-section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
234	First measurement of the CP-violating phase in $B_s(0) \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
233	First observation of $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ and search for $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
232	Search for rare $B(0) \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
231	First observation of the decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 32-39	4.2	14
230	Measurement of the $B_c(s)(0)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
229	Search for the lepton-flavour violating decay $D^0 \rightarrow \tau^+ \tau^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14
228	Amplitude Analysis of $B^{\pm} \rightarrow \pi^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
227	Model-Independent Observation of Exotic Contributions to $B^{\pm} \rightarrow \pi^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
226	Study of the rare B_s^0 and B^0 decays into the $\pi^+ \pi^-$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13

225	Search for excited B + c states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
224	Studies of the resonance structure in $D_0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
223	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	13
222	A study of the Z production cross-section in pp collisions at $(\sqrt{s} = 7, \text{TeV})$ using tau final states. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
221	Observation of the decay $B_{s0} \rightarrow K^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
220	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
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218	Study of CP violation in $B^0 \rightarrow D^0 h$ ($h = K, \pi$) with the modes $D \rightarrow K^0 \pi^0$, $D \rightarrow \pi^0$ and $D \rightarrow K^+ K^-$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
217	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
216	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D \rightarrow K^0 \pi^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
215	Measurement of CP violation in $B_{s0} \rightarrow \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
214	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow K^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
213	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
212	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s} = 13)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
211	First study of the CP-violating phase and decay-width difference in $B_{s0} \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
210	Search for the Lepton-Flavor-Violating Decays $B_{s^0} \rightarrow \mu^+ \mu^- \pi^0$ and $B^0 \rightarrow \mu^+ \mu^- \pi^0$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
209	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	13
208	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018 , 98,	4.9	13

207	Measurement of B+, B0 and B0 production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
206	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^{\pm} \ell^{\pm} \ell^{\mp})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
205	Measurement of CP violation parameters and polarisation fractions in $(B_s^0 \rightarrow J/\psi \overline{K}^0)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
204	Observation of the decay $B^0 \rightarrow K^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4.2	12
203	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow \overline{D}^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
202	A study of CP violation in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^0 K^0$ decays with $D \rightarrow K^0 K^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
201	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^+ K^-) / B(B^0 \rightarrow \pi^+ \pi^-)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
200	Measurement of the α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
199	Measurement of V0 production ratios in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	12
198	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
197	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
196	Measurement of the Λ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
195	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 177-187	4.2	11
194	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
193	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^-$ in the $K^*_{0,2}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
192	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
191	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
190	Measurement of the CP Violation Parameter A_{FB}^0 in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11

189	Measurement of the branching fraction ratio $B(B_c^{+-} \rightarrow \tau^+ \nu_\tau) / B(B_c^{+-} \rightarrow \mu^+ \nu_\mu)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
188	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
187	Measurement of CP violation parameters in $B^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
186	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
185	Studies of the decays $B^+ \rightarrow \rho^+ \pi^+$ and observation of $B^+ \rightarrow \rho(1520)^+ \pi^+$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
184	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
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182	Study of charmonium production in π -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
181	Observation of New Σ_c^{\prime} Baryons Decaying to $\Sigma_c^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
180	Measurement of CP observables in $B^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
179	Study of χ_{c0} production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
178	First observation of the decay $D^0 \rightarrow K^+ K^- \pi^0$ in the $\pi\pi$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 558-567	4.2	10
177	Measurement of the Λ_b and Σ_b Baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 154-162	4.2	10
176	Measurement of the charge asymmetry in $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
175	Search for the rare decay ($K_{\text{S}}^0 \rightarrow \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
174	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
173	Measurement of B_{s}^0 and D_{s}^{\pm} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
172	Observation of the suppressed decay $D^0 \rightarrow \rho^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10

171	Measurement of B^0 , B_s^0 , B^+ and \bar{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> , 2017 , 774, 139-158	4.2	10
170	First Observation of a Baryonic $B_{\{s\}^0}$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
169	Search for the decay ($\{B\}_s^0 \rightarrow \{\overline{D}\}^0 \{F\}_0(980)$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
168	Measurement of the $B_{\{s\}}^0$ meson lifetime in $D_s^+ \rightarrow \{B\}_s^0$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
167	Observation of charmonium pairs produced exclusively in $\$pp\$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002$	2.9	10
166	Measurement of CP asymmetry in $B^0 \rightarrow \{D\}^0 \{K\}^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
165	Measurement of the effective β . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
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163	Search for B_c^+ decays to the $pp^0 \{B\}$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
162	Prompt B_c production in pPb collisions at ($\sqrt{s_{\{mathrm\{NN\}\}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
161	Measurement of the mass and production rate of $B_{\{s\}}^0$ baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
160	Determination of $\Gamma_{\{B\}}^0$ from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 741, 1-11	4.2	9
159	A measurement of the CP asymmetry difference between $\{B\}^+ \rightarrow \{D\}^0 \{K\}^+$ and p^0 decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
158	Effective lifetime measurements in the $B_s^0 \rightarrow \{K\}^0 \{B\}^0$ and $B_s^0 \rightarrow \{K\}^0 \{D\}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
157	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow \{K\}^0 \{B\}^+$ and $B^+ \rightarrow \{K\}^0 \{K\}^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
156	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \{D\}^0 \{K\}^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	9
155	Observation of the $B^0 \rightarrow \{D\}^0$ decay from an amplitude analysis of $B^0 \rightarrow \{D\}^0 \{K\}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
154	Study of $B^0 \rightarrow \{D\}^0 \{K\}^0$ and $B^0 \rightarrow \{D\}^0 \{K\}^+$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9

153	First observation of the decays $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
152	Discovering true muonium at LHCb. <i>Physical Review D</i> , 2019 , 100,	4.9	9
151	Search for CP violation in $B^0 \rightarrow \rho^0 K^0$ and $B^0 \rightarrow \rho^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
150	Measurement of the CKM angle γ using $B^0 \rightarrow D^+ K^-$ with $D \rightarrow K^0 S^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
149	Search for the rare decay $B^+ \rightarrow \rho^0 K^+$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
148	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow K^+ K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
147	Observation of $B_c^+ \rightarrow D^0 K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
146	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
145	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
144	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
143	Study of B^0 mixing from measurement of $B^0 \rightarrow J/\psi K^0$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
142	Measurement of branching fractions of charmless four-body B^0 and B^0 decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
141	Evidence for the Rare Decay $B^+ \rightarrow \rho^0 K^+$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
140	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* K^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
139	Search for the decay $B^0 \rightarrow \rho^0 K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
138	Observation of $B^0 \rightarrow \rho^0 K^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
137	Γ_{c1} and Γ_{c2} Resonance Parameters with the Decays $B^0 \rightarrow \rho^0 K^0$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
136	Measurement of the B^0 production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	8

135	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^- \gamma$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
134	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4.2	8
133	Search for CP violation in $D^0 \rightarrow \pi^+ \pi^- K^0$ and $D^0 \rightarrow \pi^+ \pi^- K^0_S$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
132	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> , 2012 , 108, 161801	7.4	8
131	Search for the lepton flavour violating decay $B^+ \rightarrow \pi^+ K^0 \mu^+$ using $(B^0 \rightarrow \pi^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
130	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
129	Measurement of forward W and Z production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
128	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow \pi^+ K^0 \mu^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	4.2	8
127	Study of γ production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
126	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ and $D^0 \rightarrow \pi^+ K^+ \pi^- \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
125	Measurements of the branching fractions of $\Lambda^0 \rightarrow \pi^+ \pi^-$, $\Lambda^0 \rightarrow \pi^+ \pi^- K^+$, and $\Lambda^0 \rightarrow \pi^+ \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
124	Search for the CP-violating strong decays $\Lambda(958) \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
123	Observation of the Decay $\Lambda_b^0 \rightarrow \pi^+ K^- K^0$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
122	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
121	Measurement of the Z+b-jet cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
120	Study of $D^*(*) \rightarrow \pi^+ \pi^-$ mesons decaying to $D^* \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^+ \pi^-$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
119	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
118	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7

117	First Observation of the Radiative Decay $B^0 \rightarrow \gamma \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
116	Observation of associated production of a Z boson with a D meson in the forward region. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	7
115	First evidence for the two-body charmless baryonic decay $\Lambda_b^0 \rightarrow p \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
114	First observation of the decay $(B_s^0 \rightarrow \pi^0 K^+ K^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
113	Search for CP violation in the phase space of $D^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7
112	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
111	Search for the rare decays $B^0 \rightarrow \mu^+ \mu^-$ and $B_s^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
110	Observation of the $B(s)^0 \rightarrow \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
109	First observations of the rare decays $B^+ \rightarrow \mu^+ \mu^+ \mu^-$ and $B^+ \rightarrow \mu^+ K^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
108	Exclusive displaced hadronic signatures in the LHC forward region. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
107	Observation of a new baryon state in the $(\Lambda_{\text{b}}^0 \rightarrow \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
106	Measurement of $f_{\text{s}}/f_{\text{u}}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
105	Search for a dimuon resonance in the $\mu^+ \mu^-$ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
104	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \mu^+ \mu^- K^0$ and $B^0 \rightarrow \mu^+ \mu^- K^*$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
103	Amplitude Analysis of the Decay $B^0 \rightarrow K^* \mu^+ \mu^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^* \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
102	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
101	Measurement of $ V_{\text{cb}} $ with $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
100	First measurement of the CP-violating phase $(\phi_{\text{s}}^{\text{d}})$ in $B^0 \rightarrow \mu^+ \mu^- K^*$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

99	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
98	Constraints on the unitarity triangle angle α from Dalitz plot analysis of $B^0 \rightarrow DK^+$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
97	Measurement of CP observables in $B^0 \rightarrow DK^*$ with $D \rightarrow K + K$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
96	Searches for $(B_{(s)}^0 \rightarrow [J \text{ left/ } \{\{\psi \text{ p}\} \text{ right.}\} \overline{p}])$ and $B^+ \rightarrow fJ/\psi (\overline{p})$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
95	Measurement of CP asymmetries in $D^0 \rightarrow \pi^0$ and $D_s^0 \rightarrow \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
94	Observation of the decay $B_s^0 \rightarrow \pi^0 \gamma$ and evidence for $B_s^0 \rightarrow \pi^0 \gamma \gamma$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	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> , 2017 , 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> , 2015 , 2015, 1	5.4	6
91	Search for the $D^0 \rightarrow \pi^0$ and $D^0 \rightarrow \pi^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 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> , 2014 , 16, 123001	2.9	6
89	Search for the decay $B_s^0 \rightarrow \pi^0 \gamma$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
88	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
87	Measurement of the CKM angle α using $B^0 \rightarrow DK^*$ with $D \rightarrow K S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
86	Measurement of CP Violation in $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
85	Model-independent measurement of the CKM angle α 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> , 2016 , 2016, 1	5.4	6
84	Observation of the decay $B_s^0 \rightarrow \pi^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
83	Measurement of χ production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
82	First observation of $B^+ \rightarrow \pi^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow \pi^+ s \chi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

81	Observation of charmless baryonic decays $B(s)0 \rightarrow \bar{p} \Lambda^0 h^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
80	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
79	Observation of $B_{\text{s}}^0 \rightarrow \bar{D}^0 K_{\text{S}}^0$ and Evidence for $B_{\text{s}}^0 \rightarrow \bar{D}^0 K_{\text{S}}^{*0}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
78	Amplitude analysis of $B^0 \rightarrow \bar{K}^0 S K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
77	LHCb VELO Timepix3 telescope. <i>Journal of Instrumentation</i> , 2019 , 14, P05026-P05026	1	5
76	Observation of the $B^0 \rightarrow \bar{K}^0 S K^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
75	Observation of the decay $B^0 \rightarrow \bar{K}^0 \Lambda^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
74	Study of $(\overline{\text{b}} \text{b})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
73	Determination of the branching fractions of $B^0 \rightarrow \bar{D}^0 S K^+$ and $B^0 \rightarrow \bar{D}^0 \bar{K}^+ K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	5
72	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow \bar{K}^0 K^0$ and $D^0 \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	5
71	Measurement of the ratio of branching fractions $(\frac{\text{Br}(B \rightarrow \bar{c} \ell^+ \nu)}{\text{Br}(B \rightarrow \bar{s} \ell^+ \nu)})$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
70	A search for $(\chi_{\text{cc}}^{++}) \rightarrow \bar{D}^0 p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
69	Observation of $B_s^0 \rightarrow \bar{D}^0 \pi^0$ and search for $B^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
68	Observation of the decay $B_b \rightarrow \tau \nu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
67	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
66	Measurement of forward $t\bar{t}$, $W+\text{bb}$ and $W+\text{cc}$ production in pp collisions at $\sqrt{s}=8\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 110-120	4.2	4
65	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
64	Observation of $B_{\text{s}}^0 \rightarrow \bar{D}^0 \pi^0$ Decays and Precision Measurements of the B_{s}^0 Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4

63	Search for the Rare Decays $B_{s^0} \rightarrow \bar{c}^+ e^-$ and $B^0 \rightarrow \bar{c}^+ e^-$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
62	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
61	Measurement of CP asymmetry in $B^0 \rightarrow \bar{D}^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
60	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
59	Dalitz plot analysis of the $D^+ \rightarrow \bar{K}^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	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> , 2013 , 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> , 2017 , 77, 238	4.2	4
56	Evidence for the two-body charmless baryonic decay ($B^+ \rightarrow \bar{\Lambda}^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
55	First Observation of the Rare Purely Baryonic Decay $B^+ \rightarrow \bar{p} \pi^+$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
54	Measurement of CP observables in $B^0 \rightarrow \bar{D}^0 K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
53	Updated branching fraction measurements of $B^0 \rightarrow \bar{K}^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
52	Study of $B^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 \pi^0$ decays and determination of the CKM angle α <i>Physical Review D</i> , 2015 , 92,	4.9	4
51	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \bar{D}^0 K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	4
50	Search for CP violation and observation of P violation in $B^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
49	Measurement of the B_{s^0} lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4.2	4
48	Measurement of the B_c meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	4
47	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \bar{K}^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
46	Measurement of forward top pair production in the dilepton channel in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4

45	Measurement of D^0 s production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
44	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
43	First observation of the rare $B^+ \rightarrow D^+ K^+ \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
42	Measurement of the $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)} \pi^0$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
41	First observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
40	Measurement of the branching fractions of the decays $D^+ \rightarrow \pi^+ K^+ K^+$, $D^+ \rightarrow \pi^+ K^+ \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- K^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
39	Amplitude analysis of the ($B^0 \rightarrow K^+ K^- \pi^0$) decays and measurement of the branching fraction of the ($B^0 \rightarrow K^+ K^- \pi^0$) decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
38	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
37	Exploring new possibilities to discover a light pseudo-scalar at LHCb. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	3
36	Real-time discrimination of photon pairs using machine learning at the LHC. <i>SciPost Physics</i> , 2019 , 7,	6.1	3
35	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 232001	7.4	3
34	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
33	Measurement of the relative $B^0 \rightarrow D^+ D^{*-} \pi^0$ branching fractions using B^0 mesons from $B^0 \rightarrow D^+ D^{*-} \pi^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
32	Measurement of the CP-violating phase ϕ_1 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> , 2019 , 797, 134789	4.2	2
31	Search for CP Violation in $D^+ \rightarrow K^+ K^0 \pi^0$, $D^+ \rightarrow K^+ K^+ \pi^-$, and $D^+ \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
30	Observation of the doubly Cabibbo-suppressed decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
29	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
28	Measurement of the (Λ_b^0) angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2

27	Measurement of CP observables in $B_{\mu}^{-} \rightarrow D K_{\mu}^{-}$ and $B_{\mu}^{-} \rightarrow D \pi_{\mu}^{-}$ with $D \rightarrow \{K_{\mu}^{0} \pi^{\pm}\}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
26	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \pi \pi$ and $B \rightarrow \pi \rho$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
25	Study of the $B \rightarrow \pi \rho$ decay with an amplitude analysis of $B \rightarrow \pi \rho$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
24	Observation of the $B \rightarrow \pi \rho$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
23	Measurement of CP violation in $B \rightarrow \pi \rho$ and $B \rightarrow \pi \rho$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
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21	Prospects on searches for baryonic Dark Matter produced in Λ -hadron decays at LHCb. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
20	Isospin Amplitudes in $B \rightarrow \pi \rho$ and $B \rightarrow \pi \rho$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
19	Measurement of CP-Violating and Mixing-Induced Observables in $B \rightarrow \pi \rho$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
18	Measurement of $Z \rightarrow \pi \rho$ production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
17	Measurement of CP violation in $B \rightarrow \pi \rho$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
16	Measurement of CP observables in the process $B \rightarrow \pi \rho$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
15	Measurement of the branching fraction of the decay $B \rightarrow \pi \rho$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
14	First observation of the decay $B \rightarrow \pi \rho$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
13	First observation of forward $Z \rightarrow \pi \rho$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1
12	Measurement of the ratio of branching fractions of the decays $B \rightarrow \pi \rho$ and $B \rightarrow \pi \rho$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
11	Measurement of the branching fraction and (C)P asymmetry in $B \rightarrow \pi \rho$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
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9	Search for Baryon-Number Violating Δb^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
8	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
7	Measurement of the CP asymmetry in $B^0 \rightarrow D^0$ and $B^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
6	Measurement of CP violation in $B^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
5	How to Use Machine Learning to Improve the Discrimination between Signal and Background at Particle Colliders. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11076	2.6	0
4	Measurement of CP violation in the $(B_s^0 \rightarrow \phi \phi)$ decay and search for the $B^0 \rightarrow \phi \phi$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
3	Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+ K^-)$ in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
2	Developments towards the LHCb VELO upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 76-79	1.2	
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