

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.

570 papers	22,286 citations	68 h-index	126 g-index
583 ext. papers	26,484 ext. citations	5.3 avg, IF	6.25 L-index

#	Paper	IF	Citations
570	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08004-S08004	1	1276
569	The ATLAS Experiment at the CERN Large Hadron Collider. <i>Journal of Instrumentation</i> , 2008 , 3, S08003-S08003	1.273	
568	Observation of J/ψ Resonances Consistent with Pentaquark States in $\bar{B}^0 \rightarrow \psi(3686) p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
567	Test of lepton universality using $b \rightarrow s \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
566	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 252303	7.4	458
565	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
564	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
563	Measurement of the ratio of branching fractions $B(B \rightarrow \mu^+ \mu^- \nu \bar{\nu}) / B(B \rightarrow e^+ e^- \nu \bar{\nu})$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
562	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
561	Test of lepton universality with $B \rightarrow s \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
560	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
559	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011 , 13, 053033	2.9	259
558	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
557	Observation of the resonant character of the $Z(4430)(-)$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
556	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
555	Angular analysis of the $B \rightarrow s \ell^+ \ell^- \nu \bar{\nu}$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
554	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> , 2013 , 111, 101805	7.4	221

553	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
552	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
551	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
550	Observation of Five New Narrow $\Xi_{c}^{\prime 0}$ States Decaying to $\Xi_{c}^{+}K^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
549	Evidence for CP violation in time-integrated $D^0\text{-}b(-)h(+)$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
548	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
547	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{*} \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
546	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^{+}\pi^{-}\pi^{0}$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
545	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
544	Probing new physics models of neutrinoless double beta decay with SuperNEMO. <i>European Physical Journal C</i> , 2010 , 70, 927-943	4.2	138
543	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+}\pi^{0}\pi^{0}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
542	Measurement of the Ratio of the $B^{+} \rightarrow \pi^{+}\pi^{0}\pi^{0}$ and $B^{+} \rightarrow \pi^{+}\pi^{0}\pi^{0}$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
541	Observation of $X(3872)$ production in pp collisions at ($\sqrt{s}=7\text{mbox{\scriptsize TeV}}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
540	Charged-particle multiplicities in pp interactions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 688, 21-42	4.2	121
539	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
538	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	112
537	Measurement of the Ratio of Branching Fractions $B(B_{c}^{+} \rightarrow \pi^{+}\pi^{0})/B(B_{c}^{+} \rightarrow \pi^{+}\pi^{0})$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
536	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \pi^{+}\pi^{-}$ branching fraction using three-prong decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106

535	Measurement of the $B_{s^0} \rightarrow B^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow B^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
534	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
533	Observation of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
532	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
531	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
530	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \pi^+ \pi^0 K^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
529	Search for new particles in two-jet final states in 7 TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 161801	7.4	97
528	Measurement of the centrality dependence of J/ψ yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 294-312	4.2	97
527	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow \pi^0 \pi^0$ <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
526	The FP420 R&D project: Higgs and New Physics with forward protons at the LHC. <i>Journal of Instrumentation</i> , 2009 , 4, T10001-T10001	1	92
525	Evidence for Exotic Hadron Contributions to $\Xi_b^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
524	Measurement of the double- β decay half-life of Nd150 and search for neutrinoless decay modes with the NEMO-3 detector. <i>Physical Review C</i> , 2009 , 80,	2.7	90
523	Measurement of / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
522	Differential branching fraction and angular analysis of the decay $(B_{s^0} \rightarrow \pi^+ \pi^-) \rightarrow \pi^+ \pi^-$ <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
521	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
520	Model-Independent Evidence for J/ψ Contributions to $\Xi_b^0 \rightarrow \pi^0 \pi^0 K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
519	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
518	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83

517	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	1.7	87
516	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
515	Measurement of the two neutrino double beta decay half-life of Zr-96 with the NEMO-3 detector. <i>Nuclear Physics A</i> , 2010 , 847, 168-179	1.3	83
514	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	1.4	79
513	Evidence for the decay $\Lambda_b \rightarrow \Lambda e^+ e^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
512	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
511	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
510	First observation of CP violation in the decays of $B(s)_0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	1.4	78
509	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
508	Observation of structure in the J/ψ pair mass spectrum. <i>Science Bulletin</i> , 2020 , 65, 1983-1993	10.6	71
507	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
506	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
505	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
504	Observation of CP violation in $B^0 \rightarrow D^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
503	Study of D^0 meson decays to $D^+ D^-$ and $D^{*+} D^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
502	Observation of excited $\Lambda(b)_0$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
501	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \pi^0 K^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
500	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

499	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
498	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
497	Search for Structure in the $B_{\{s\}^0 \ell^{+} \ell^{-}}$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
496	Differential branching fraction and angular analysis of the $B \rightarrow K^{*} \ell^{+} \ell^{-}$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
495	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
494	Measurement of CP violation in the phase space of $B \rightarrow K^{*} K^{-} \ell^{+} \ell^{-}$ and $B \rightarrow K^{*} \ell^{+} \ell^{-}$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
493	Observation of overlapping spin-1 and spin-3 $D0K^{*}$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
492	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
491	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
490	Search for $A^{0} \rightarrow B^{+} \ell^{-} \ell^{+}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
489	Measurement of the isospin asymmetry in $B \rightarrow K^{*} \ell^{+} \ell^{-}$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
488	Analysis of the resonant components in $B \rightarrow \psi(0) \ell^{+} \ell^{-}$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
487	Production of J/ψ and (φ) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
486	Measurement of the W and Z production cross sections in proton-proton collisions at $(\sqrt{s} = 7, \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
485	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b(-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
484	Amplitude analysis of $B \rightarrow \psi(0) K^{+}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
483	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
482	Observation of the decay $B(c)(+) \rightarrow \psi(0) \ell^{+}$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55

481	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
480	Search for the $X(4140)$ state in $B^{+/-} \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
479	Differential branching fraction and angular analysis of $B \rightarrow b \rightarrow \pi$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	54
478	Measurement of resonant and CP components in $B \rightarrow s \rightarrow \pi$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
477	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^{+} \pi^{+}$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
476	Precision measurement of CP violation in $B(S)(0) \rightarrow K^+ K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
475	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
474	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 694, 327-345	4.2	53
473	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow e^+ \pi^0$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
472	Measurement of the resonant and CP components in $B \rightarrow \pi \rightarrow \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
471	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
470	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
469	Observation of a New Ξ_b^0 Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
468	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
467	First observation of the decay $B(c)^+ \rightarrow e^+ \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
466	Precision measurement of the $B_0 \rightarrow \pi^0 \pi^0$ oscillation frequency with the decay $B_0 \rightarrow \pi^0 \pi^0$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
465	Analysis of the resonant components in $B \rightarrow \pi \rightarrow \pi$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	49
464	Search for long-lived scalar particles in $B^{+/-} \rightarrow K^{+/-} \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48

463	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	48
462	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	48
461	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
460	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \pi \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	47
459	Searches for Majorana neutrinos in $B \rightarrow \pi \pi \pi$ decays. <i>Physical Review D</i> , 2012 , 85,	4-9	47
458	Measurement of CP-Averaged Observables in the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7-4	46
457	Observation of $B_c^+ \rightarrow \pi^+ D_s^+$ and $B_c^+ \rightarrow \pi^+ D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4-9	46
456	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.	6-2	45
455	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
454	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7-4	45
453	Amplitude analysis of $B \rightarrow \pi \pi \pi$ decays. <i>Physical Review D</i> , 2016 , 94,	4-9	45
452	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7-4	44
451	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=900$ GeV and 7 TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4-9	44
450	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
449	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	43
448	First evidence of direct CP violation in charmless two-body decays of B_s^0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7-4	43
447	Observation of a resonance in $B^+ \rightarrow \pi^+ \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003.	7-4	43
446	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ K^-$ and $D^0 \rightarrow \pi^- K^+$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42

445	Measurement of the $B_s^0 B_{s0}^0$ oscillation frequency Γ_{hs} in $B_s^0 \rightarrow D_s(B)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
444	Measurement of the exclusive Υ 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
443	Measurement of the ratio of prompt Υ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
442	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
441	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
440	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
439	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> , 2013 , 724, 27-35	4.2	41
438	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> , 2012 , 714, 215-223	4.2	41
437	Search for the Decays $B_{s1}^0 \rightarrow B^{*+} \pi^-$ and $B^{*0} \rightarrow B^{*+} \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
436	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
435	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
434	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
433	Measurement of the background in the NEMO 3 double beta decay experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 606, 449-465	1.2	37
432	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
431	First observation of the decay ($B_c^{*+} \rightarrow [J \text{ left/ } \{\psi \{K^{*+}\}\} \text{ right.}]$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
430	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
429	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
428	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35

427	Observation of two new $\Lambda(b)(-)$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
426	First observation of the decay $B + \pi^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
425	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 325-345	4.2	35
424	Search for lepton number violating decays $B^+ \rightarrow \ell^+ \pi^0 \pi^0$ and $B^+ \rightarrow \ell^+ \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
423	Amplitude analysis of the $B^+ \rightarrow D^0 D^0$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
422	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
421	Measurement of the CP violating phase ϕ_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34
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414	Study of χ_{c0} 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
413	Measurement of the ϕ_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
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411	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
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388	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
387	Observation of the decay $B_c \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
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385	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
384	Study of (φ) 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
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341	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}} = 110 \text{ GeV}$. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
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325	Measurement of the $B \rightarrow \pi$ production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
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322	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
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320	Study of the lineshape of the $\bar{B}^0(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18

319	First Observation of Excited Ξ_b^{\prime} States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
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317	Measurement of the CP Asymmetry in $B_{s1}^0 \rightarrow B^0 \pi^0$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
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309	Measurement of the forward energy flow in collisions at $\sqrt{s}=7$. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
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302	Search for CP violation in $D^+ \rightarrow K^+ K^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17

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290	Observation of $\psi(2S) \rightarrow \mu \mu$ and search for $X(3872) \rightarrow \mu \mu$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
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287	Amplitude analysis of $B^0 \rightarrow \mu^+ \mu^- K^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
286	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
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282	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
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279	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
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275	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	5.4	15
274	Measurement of CP asymmetries in the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^+ \rightarrow \pi^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
273	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
272	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
271	Measurement of the polarization amplitudes in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
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269	Observation of $\Lambda_b \rightarrow \pi^0 p K^0$ and $\Lambda_b \rightarrow \pi^+ p K^-$ decays and a measurement of the Λ_b baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
268	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
267	Evidence for the decay $(B)_S^0 \rightarrow \bar{K}^0 \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
266	Precise measurements of the properties of the $B(5721)0,+$ and $B^*(5747)0,+$ states and observation of $B_{(s)}^0$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14

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264	Precision measurement of the Ξ^+ , Ξ^0 , and Ξ^- baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
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262	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
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260	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
259	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
258	Evidence for the Strangeness-Changing Weak Decay $\Xi_b^0 \rightarrow \Xi_b^- \pi^+$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
257	Evidence for CP violation in $B^+ \rightarrow \pi^+ \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
256	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
255	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
254	First observation of $B^0 \rightarrow \pi^+ \pi^-$ and search for $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
253	Search for rare $B(0) \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
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251	Measurement of the $B_{(s)}^0$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
250	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
249	Search for the lepton-flavour violating decay $D^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14
248	Amplitude Analysis of $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14

247	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
246	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
245	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
244	Studies of the resonance structure in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
243	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
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241	Observation of the decay $B_s^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
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236	Measurement of CP violation and constraints on the CKM angle $\arg(B^0 \rightarrow \pi^+ \pi^-)$ with $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
235	Measurement of CP violation in $B_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
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232	Search for light mediators in the low-energy data of the CONNIE reactor neutrino experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
231	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
230	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13

229	Search for the Lepton-Flavor-Violating Decays $B_{s1}^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ and $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
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227	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
226	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
225	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^+ \ell^- \ell^+ \ell^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
224	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
223	Observation of the decay $B^0 \rightarrow \pi^0 K^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4.2	12
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216	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
215	Measurement of the Λ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
214	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
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210	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
209	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow K^0 S^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
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206	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0 K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
205	Measurement of CP violation parameters in $B^0 \rightarrow K^{*0} K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
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200	Study of charmonium production in γ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
199	Observation of New Λ_c^0 Baryons Decaying to $\Lambda_c^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
198	Measurement of CP observables in $B^0 \rightarrow \rho^0 K^0$ and $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
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192	Measurement of the effective . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
191	Measurement of B_{s}^0 and D_{s}^{\pm} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
190	Observation of the suppressed decay $B \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
189	Measurement of B^0 , B_{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> , 2017 , 774, 139-158	4.2	10
188	First Observation of a Baryonic B_{s}^0 Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
187	Search for the decay ($B_{\mathrm{s}}^0 \rightarrow \overline{D}^0 F_0(980)$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
186	Measurement of the B_{s}^0 meson lifetime in D_{s}^{\pm} decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
185	Observation of charmonium pairs produced exclusively in pp collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 115002	2.9	10
184	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
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179	Search for B_{c}^+ decays to the pp^{π} final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
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172	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
171	Study of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
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169	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> , 2020 , 80, 1	4.2	9
168	Search for CP violation in $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
167	Measurement of the CKM angle α using $B^0 \rightarrow \pi^0 \pi^0$ with $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
166	Search for the rare decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
165	Search for the suppressed 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> , 2017 , 765, 307-316	4.2	8
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163	Measurements of charm mixing and CP violation using $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
162	Search for the rare decay $(\{B^0\} \rightarrow \{\mu^+\} \{\mu^-\} \{\mu^+\} \{\mu^-\})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
161	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
160	Study of π^0 mixing from measurement of $B^0 \rightarrow \pi^0 \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
159	Determination of quantum numbers for several excited charmed mesons observed in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8
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157	Evidence for the Rare Decay $B^0 \rightarrow \rho^0 \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
156	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \pi^0 K^{*0}$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
155	Search for the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
154	Observation of $B^0 \rightarrow \pi^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
153	B^0 and B^{\pm} Resonance Parameters with the Decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^{\pm} \rightarrow \pi^{\pm} \pi^0$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
152	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, 1	5.4	8
151	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction and search for the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
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148	First observation of the decays $B^0 \rightarrow \pi^0 K^0 K^0$ and $B^0 \rightarrow \pi^0 K^0 K^0$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
147	Search for the lepton flavour violating decay $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ using $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
146	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
145	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, 1	5.4	8
144	Search for Lepton-Flavor Violating Decays $B^0 \rightarrow \pi^0 \pi^0 e^+ e^-$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
143	Study of π^0 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
142	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
141	Measurements of the branching fractions of $B^0 \rightarrow \pi^0 \pi^0$, $B^0 \rightarrow \pi^0 \pi^0$, and $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
140	Search for the CP-violating strong decays $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7

139	Observation of the Decay $\Lambda_b^0 \rightarrow p K^0$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
138	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
137	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
136	Study of $D^{(*)} + sJ$ mesons decaying to $D^{*0} K^0$ and $D^{*0} K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
135	Observation of the $B^0 \rightarrow e^+ e^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
134	Observation of the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
133	First Observation of the Radiative Decay $\Lambda_b^0 \rightarrow \gamma p$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
132	Updated measurement of time-dependent (CP)-violating observables in $(B^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
131	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
130	First evidence for the two-body charmless baryonic decay $\Lambda_b^0 \rightarrow p \bar{p}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
129	First observation of the decay $(B_s^0 \rightarrow \phi \bar{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
128	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7
127	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
126	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
125	Observation of the $B(s)(0) \rightarrow \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
124	First observations of the rare decays $B^0 \rightarrow \mu^+ \mu^-$ and $B^+ \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
123	Production and quality control of the Barrel RPC chambers of the CMS experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006 , 150, 290-294		7
122	Search for CP violation in $(\Xi_c^+ \rightarrow p K^- \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7

121	Observation of a new baryon state in the $(\Lambda_{\mathrm{b}}^0 \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
120	Measurement of $f_{\mathrm{s}}/f_{\mathrm{u}}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
119	Search for a dimuon resonance in the η' mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
118	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \phi K_S^0$ and $B^0 \rightarrow \phi K_S^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
117	Amplitude Analysis of the Decay $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K_S^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
116	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
115	Measurement of $ V_{\mathrm{cb}} $ with $B^0 \rightarrow D^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
114	First measurement of the CP-violating phase $(\phi_{\mathrm{s}}^{\mathrm{d}})$ in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
113	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
112	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
111	Measurements of CP asymmetries in charmless four-body (Λ_b^0) and (Ξ_b^0) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
110	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^-$ with $D^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
109	Measurement of CP asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
108	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
107	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
106	Measurement of CP asymmetries and polarisation fractions in $(B^0 \rightarrow \pi^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
105	Search for the $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
104	Observation of $B^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6

103	Search for the decay $B_s^0 \rightarrow D^* \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
102	Probing the mechanism of neutrinoless double beta decay with SuperNEMO. <i>Progress in Particle and Nuclear Physics</i> , 2010 , 64, 278-280	10.6	6
101	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
100	Measurement of the CKM angle $\bar{\Gamma}$ using $B^0 \rightarrow D^+ K^-$ with $D \rightarrow K^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
99	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
98	Model-independent measurement of the CKM angle $\bar{\Gamma}$ using $B^0 \rightarrow D^+ K^-$ decays with $D \rightarrow K^0 \pi^+ \pi^-$ and $K^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
97	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
96	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
95	First observation of $B^+ \rightarrow D^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s \chi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
94	Observation of charmless baryonic decays $B(s) \rightarrow p \pi^+ h^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
93	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \chi_{\text{c}1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
92	Observation of $B_{\text{s}}^0 \rightarrow D^0 \bar{K}_{\text{S}}^0$ and Evidence for $B_{\text{s}}^0 \rightarrow D^0 \bar{K}_{\text{S}}^0$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
91	Amplitude analysis of $B^0 \rightarrow D^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
90	Observation of the $B^0 \rightarrow D^0 K^+ K^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
89	Observation of the decay $B^0 \rightarrow D^0 K^+ K^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
88	Study of $(\overline{\Lambda_{\text{b}}} \Lambda_{\text{b}})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
87	Determination of the branching fractions of $B^0 \rightarrow D^0 \pi^+ K^-$ and $B^0 \rightarrow D^0 \pi^- K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	5
86	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> , 2020 , 101,	4.9	5

85	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(\text{B} \rightarrow \text{K}^+ \text{J}/\psi \text{K}^+)}{\mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{J}/\psi \text{c}^+)} \times \frac{\mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{J}/\psi \text{c}^+)}{\mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{J}/\psi \text{c}^+)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
84	A search for ($\Xi_{\text{cc}}^{++} \rightarrow \text{p} \bar{\text{K}}^0$) decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
83	Observation of $\text{B}_s^0 \rightarrow \text{D}^+ \text{K}^-$ and search for $\text{B}^0 \rightarrow \text{D}^+ \text{K}^-$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
82	Observation of the decay $\text{B}_d^0 \rightarrow \text{D}^+ \text{K}^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
81	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
80	Measurement of forward tt , $\text{W}+\text{bb}$ and $\text{W}+\text{cc}$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 110-120	4.2	4
79	Observation of $\text{B}^0 \rightarrow \text{D}^+ \text{K}^-$ and $\text{B}^0 \rightarrow \text{D}^+ \text{K}^-$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
78	Direct photon production at LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 251-254	1.3	4
77	Observation of $\text{B}_{\text{c}}^0 \rightarrow \text{D}^+ \text{K}^-$ Decays and Precision Measurements of the B_{c}^0 Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
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75	Phase I Upgrade of the Readout System of the Vertex Detector at the LHCb Experiment. <i>IEEE Transactions on Nuclear Science</i> , 2020 , 67, 732-739	1.7	4
74	Measurement of $\text{B}_{\text{c}}^0 \rightarrow \text{D}^+ \text{K}^-$ production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
73	Measurement of $\text{B}_{\text{c}}^0 \rightarrow \text{D}^+ \text{K}^-$ production cross-sections in proton-proton collisions at $\sqrt{s}=7$ and $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2020 , 80,	4.2	4
72	Measurement of CP asymmetry in $\text{B}^0 \rightarrow \text{D}^+ \text{K}^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
71	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
70	Dalitz plot analysis of the $\text{D}^+ \rightarrow \text{K}^+ \text{K}^0 \text{K}^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
69	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
68	New algorithms for identifying the flavour of B_{c}^0 mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4.2	4

67	Evidence for the two-body charmless baryonic decay ($\Lambda_b^+ \rightarrow \overline{\Lambda}^0 \pi^+$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
66	First Observation of the Rare Purely Baryonic Decay $\Lambda_b^0 \rightarrow \Lambda \pi^0$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
65	Measurement of CP observables in $B \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
64	Updated branching fraction measurements of $B(s) \rightarrow K^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	4
63	Study of $B \rightarrow K^* \pi$ and $B \rightarrow \pi \pi$ decays and determination of the CKM angle α . <i>Physical Review D</i> , 2015 , 92,	4-9	4
62	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	4
61	The cosmic rays quality test procedure for the CMS barrel resistive plate chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 533, 208-213	1-2	4
60	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	4
59	Search for CP violation and observation of P violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 102,	4-9	4
58	Measurement of the $B_{s0} \rightarrow \pi^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4-2	4
57	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
56	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
55	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
54	Measurement of $D^0 \rightarrow \pi^0$ production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
53	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2020 , 102,	4-9	3
52	First observation of the rare $B^+ \rightarrow \pi^+ K^0 \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4-9	3
51	Measurement of the $B_{s0} \rightarrow D_s^{(*)} + D_s^{(*)} \pi$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4-9	3
50	First observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3

49	Measurement of the branching fractions of the decays $D^+ \rightarrow \bar{K}^0 K^+$, $D^+ \rightarrow \bar{K}^+ K^+$ and $D^+ \rightarrow \bar{K}^+ K^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
48	Amplitude analysis of the $(B_{(s)}^0 \rightarrow K^{\text{ast } 0} \overline{K}^{\text{ast } 0})$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^{\text{ast } 0} \overline{K}^{\text{ast } 0})$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
47	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
46	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
45	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
44	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
43	Measurement of the relative $B_{\text{D}^0/D^{*0}}^{\text{B}} \rightarrow \text{B}^0 \rightarrow \text{B}^0$ branching fractions using B^0 mesons from $B^0 \rightarrow \text{B}^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
42	Measurement of the CP-violating phase ϕ from $B_s^0 \rightarrow \text{B}^0$ 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
41	Search for CP Violation in $D_{(s)}^+ \rightarrow K_{(s)}^0 \pi^+$, $D^+ \rightarrow K_{(s)}^0 K^+$, and $D^+ \rightarrow \pi^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
40	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \bar{c}^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
39	Search for CP violation through an amplitude analysis of $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
38	Measurement of the $(\Lambda_b^0) \rightarrow \pi^0$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
37	Measurement of CP observables in $B^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 \pi^0$ with $D \rightarrow \bar{K}^0 \{ \pi^0, \eta \}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
36	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow \pi^0 \pi^+$ and $B^+ \rightarrow \pi^0 \pi^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
35	Study of the $B^0 \rightarrow \bar{D}^0 K^0(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
34	Observation of the $B^+ \rightarrow \bar{D}^0 K^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
33	Measurement of CP violation in $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
32	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow \pi^+ \pi^-$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	2

31	Search for the doubly heavy (Ξ_{bc}^0) baryon via decays to $D^0 p K$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
30	The upgrade I of LHCb VELO towards an intelligent monitoring platform. <i>Journal of Instrumentation</i> , 2020 , 15, C06009-C06009	1	2
29	Isospin Amplitudes in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
28	Measurement of CP-Violating and Mixing-Induced Observables in $B_{s1}^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
27	Measurement of $Z \rightarrow b\bar{b}$ production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
26	Measurement of CP violation in $B^0 \rightarrow D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
25	Measurement of CP observables in the process $B^0 \rightarrow D^+ K^{*0}$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
24	Prompt \bar{B}^+ baryons and D^0 meson production cross-section and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the LHCb detector. <i>Nuclear Physics A</i> , 2019 , 982, 683-686	1.3	1
23	Constraints on the $K_S^0 \rightarrow \pi^+ \pi^- \pi^0$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
22	Measurement of the branching fraction of the decay $B_s^0 \rightarrow K_S^0 K^0 \bar{K}^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
21	First observation of the decay $B^0 \rightarrow D^0 D^+ K^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
20	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> , 2018 , 776, 430-439	4.2	1
19	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
18	Measurement of the branching fraction and (C)P asymmetry in $(B^+ \rightarrow J/\psi \rho^+)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
17	Search for the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
16	Search for Baryon-Number Violating B^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
15	Measurement of the relative branching fractions of $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
14	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_\mu$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 13 | Measurement of the shape of the $(\{B\}_s^0 \rightarrow \{D\}_s^{\text{ast-}} \mu^+ \nu_{\mu})$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 1 |
| 12 | Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 212001 | 7.4 | 1 |
| 11 | Precision measurement of the $(\{B\}_c^+)$ meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 1 |
| 10 | Measurement of the CP asymmetry in $B \rightarrow D$ and $B \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 1 |
| 9 | Measurement of CP violation in $B^0 \rightarrow D^* D^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 0 |
| 8 | Measurement of CP violation in the $(\{B\}_s^0 \rightarrow \phi \phi)$ decay and search for the $B^0 \rightarrow \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 0 |
| 7 | Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-)$ in the π mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 0 |
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