

Andrea Contu

List of Publications by Citations

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Version: 2024-04-25

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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.

578
papers

17,027
citations

61
h-index

104
g-index

613
ext. papers

21,026
ext. citations

5.4
avg, IF

3.22
L-index

#	Paper	IF	Citations
578	Observation of J/ψ Resonances Consistent with Pentaquark States in $B^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
577	Test of lepton universality using $B^+ \rightarrow K^0 \mu^+ \nu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
576	Measurement of the ratio of branching fractions $B(B^0 \rightarrow D^{*+} \mu^-) / B(B^0 \rightarrow D^{*+} e^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
575	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} (\mu^+ e^-)$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
574	Test of lepton universality with $B^0 \rightarrow K^{*0} \mu^+ \nu$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
573	Performance of the LHCb RICH detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2431	4.2	275
572	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
571	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
570	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
569	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
568	Angular analysis of the $B^0 \rightarrow K^{*0} \mu^+ \nu$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
567	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
566	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
565	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
564	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
563	Observation of Five New Narrow χ_{c0} States Decaying to $\chi_{c+} K^0$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
562	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

561	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
560	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
559	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \mu^+ \mu^-$ <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
558	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
557	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
556	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s}=7\text{mbox{\sim}TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
555	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
554	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
553	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
552	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \mu^+ \mu^-$ branching fraction using three-prong decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
551	Measurement of the $B_{s1}^0 \rightarrow \mu^+ \mu^-$ Branching Fraction and Effective Lifetime and Search for $B^+ \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
550	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
549	Observation of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
548	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
547	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \mu^+ K^+ \mu^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
546	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
545	Evidence for Exotic Hadron Contributions to $B^+ \rightarrow \mu^+ \mu^+$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
544	Measurement of / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87

543	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \rho^+ \pi^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	86
542	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
541	Model-Independent Evidence for J/ψ Contributions to $B^0 \rightarrow \rho^+ K^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7-4	85
540	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7\text{ TeV}$. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013 , 40, 045001	2-9	85
539	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4-2	83
538	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7\text{ TeV}$. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2-9	83
537	Evidence for the decay $B^0 \rightarrow \rho^+ \pi^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2-8	79
536	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
535	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7-4	78
534	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7-4	75
533	Search for Majorana neutrinos in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7-4	70
532	Dalitz plot analysis of $B_s^0 \rightarrow \rho^+ K^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	70
531	Measurement of CP violation in the phase space of $B^0 \rightarrow \rho^+ K^-$ and $B^0 \rightarrow \rho^+ K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7-4	70
530	Observation of CP violation in $B^0 \rightarrow \rho^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4-2	69
529	Study of D J meson decays to $D^+ \pi^0$ and $D^{*+} \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	69
528	Observation of excited $(\Sigma)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7-4	68
527	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \rho^+ K^-$ and $B_s^0 \rightarrow \rho^+ \pi^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4-9	66
526	First observation of $B_s^0 \rightarrow \rho^0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4-2	66

525	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
524	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
523	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
522	Search for Structure in the $B_{s1} \rightarrow \ell^+ \ell^-$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
521	Differential branching fraction and angular analysis of the $B \rightarrow \ell^+ \ell^- K^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
520	Measurement of $\chi(0)$ meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
519	Measurement of CP violation in the phase space of $B \rightarrow \ell^+ \ell^- K^0$ and $B \rightarrow \ell^+ \ell^- \bar{K}^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
518	Observation of overlapping spin-1 and spin-3 $D^0 K^0$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
517	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
516	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
515	Search for $A^0 \rightarrow \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
514	Measurement of the isospin asymmetry in $B \rightarrow \ell^+ \ell^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
513	Analysis of the resonant components in $B \rightarrow \ell^+ \ell^- \rho^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
512	Production of J/ψ and ($\chi(0)$) mesons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
511	Search for the rare decays $B_{s0} \rightarrow \ell^+ \ell^-$ and $B_0 \rightarrow \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
510	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
509	Amplitude analysis of $B \rightarrow \ell^+ \ell^- K^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
508	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

507	Observation of the decay $B(c)(+) \rightarrow B(s)(0)\pi$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7-4	55
506	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
505	Search for the $X(4140)$ state in $B \rightarrow \pi K$ decays. <i>Physical Review D</i> , 2012 , 85,	4-9	55
504	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
503	Measurement of resonant and CP components in $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 89,	4-9	54
502	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
501	Precision measurement of CP violation in $B(S)(0) \rightarrow K^+ K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7-4	53
500	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4-9	53
499	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow J/\psi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7-4	53
498	Measurement of the resonant and CP components in $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	52
497	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7-4	51
496	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
495	Observation of a New χ_{b1} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7-4	50
494	First observation of the decay $B(c)^+ \rightarrow J/\psi \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7-4	50
493	Precision measurement of the $B_0 \rightarrow B^0$ oscillation frequency with the decay $B_0 \rightarrow \pi^0 \pi^0$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2-9	49
492	Analysis of the resonant components in $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2013 , 87,	4-9	49
491	Search for long-lived scalar particles in $B \rightarrow K \pi$ decays. <i>Physical Review D</i> , 2017 , 95,	4-9	48
490	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	48

489	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow K^+ (892)^0 \pi^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	48
488	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
487	Measurements of CP violation in the three-body phase space of charmless B^0 decays. <i>Physical Review D</i> , 2014 , 90,	4-9	47
486	Searches for Majorana neutrinos in B^0 decays. <i>Physical Review D</i> , 2012 , 85,	4-9	47
485	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7-4	46
484	Observation of $B_c^+ \rightarrow \beta^- / D_s^+$ and $B_c^+ \rightarrow \beta^- / D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4-9	46
483	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
482	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7-4	45
481	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4-9	45
480	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7-4	44
479	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
478	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
477	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
476	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7-4	43
475	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42
474	Measurement of the $B_s^0 \rightarrow B^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s(B) \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4-2	42
473	Measurement of the exclusive ψ 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
472	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

471	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
470	Measurement of the $[B_c^+]$ production cross-section in proton-proton collisions via the decay $[B_c^+ \rightarrow B^+ \pi^0]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
469	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
468	Measurements of the $B^0 \rightarrow \rho^0 \pi^0$ 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
467	Measurement of the cross-section ratio $\sigma(B_c^+ \rightarrow B^+ \pi^0) / \sigma(B_c^+ \rightarrow B^+ \rho^0)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
466	Search for the Decays $B_{(s)}^0 \rightarrow B_{(s)}^+ \pi^-$ and $B^+ \rightarrow B_{(s)}^0 \pi^+$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
465	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
464	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
463	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
462	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
461	First observation of the decay ($B_c^+ \rightarrow [J/\psi \left(\rightarrow \psi(2S) \right) K^+]$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
460	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
459	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
458	Measurement of $[B_c^+]$ polarisation in $[B_c^+]$ collisions at $[B_c^+]$ = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
457	Observation of two new $\Lambda_b^{(*)}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
456	First observation of the decay $B^+ \rightarrow \rho^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
455	Search for lepton number violating decays $B^+ \rightarrow \rho^+ \mu^+ \mu^-$ and $B^+ \rightarrow K^+ \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
454	Amplitude analysis of the $B^+ \rightarrow D^+ D_s^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34

453	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
452	Measurement of the CP violating phase α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4-2	34
451	Quantum numbers of the X(3872) state and orbital angular momentum in its DJ/ψ decay. <i>Physical Review D</i> , 2015 , 92,	4-9	34
450	Measurement of D^0 - 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
449	Study of the $D^0 \rightarrow \rho^+ \pi^-$ amplitude in $D^0 \rightarrow b \rightarrow \rho^0 \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	33
448	Measurement of the CP-violating phase α_1 in $B^0 \rightarrow \rho^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4-2	33
447	Measurement of the CKM angle α_1 from a combination of $B^0 \rightarrow \rho^+ \pi^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4-2	33
446	Study of $\chi_{c1}(\text{b})$ meson production in $p \rightarrow p$ collisions at $\sqrt{s}=7$ and 8 TeV. <i>European Physical Journal C</i> , 2014 , 74,	4-2	33
445	Measurement of the α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4-2	33
444	Measurement of the B^0 meson lifetime using $B^0 \rightarrow \rho^+ \pi^-$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4-2	32
443	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7-4	32
442	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow \rho^+ K^-$. <i>Physical Review D</i> , 2013 , 87,	4-9	32
441	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
440	Measurement of the relative rate of prompt χ_{c0} , χ_{c1} and χ_{c2} production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	31
439	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
438	Measurement of the flavour-specific CP-violating asymmetry A_{CP}^{flavour} . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 607-615	4-2	31
437	Measurement of the CP-violating phase α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4-2	31
436	Measurement of the α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4-2	31

435	Study of the kinematic dependences of D^0 $b \rightarrow c$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
434	Search for $D(s)^+ \rightarrow \mu^+ \mu^0$ and $D(s)^+ \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
433	First observation and amplitude analysis of the $B^0 \rightarrow K^0 \mu^+ \mu^-$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
432	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
431	Observation of the D^0 $b \rightarrow \tau$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
430	Observation of photon polarization in the $b \rightarrow \tau$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
429	Search for the rare decays $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
428	Measurement of the ratio of branching fractions $B(B^0 \rightarrow \mu^+ \mu^-)/B(B^0 \rightarrow \tau^+ \tau^-)$ and the direct CP asymmetry in $B^0 \rightarrow \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
427	Search for direct CP violation in $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
426	Measurement of the differential branching fraction of the decay $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
425	Observation of Two Resonances in the $B^0 \rightarrow \mu^+ \mu^-$ Systems and Precise Measurement of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \tau^+ \tau^-$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
424	Measurement of the semileptonic CP asymmetry in $B^0 \rightarrow B^0$ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
423	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
422	Observation of the decay $B_c^+ \rightarrow \tau^+ S^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
421	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
420	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
419	Study of (φ) production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
418	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

417	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \pi \pi$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	27
416	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
415	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
414	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
413	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
412	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
411	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \pi \pi$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
410	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
409	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
408	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
407	Evidence for the decay $B^0 \rightarrow \pi^+ \pi^-$ and measurement of the relative branching fractions of B_s^0 meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
406	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
405	Model-independent confirmation of the $Z(4430)$ state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
404	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow \pi^+ \pi^0$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4.2	25
403	Studies of beauty baryon decays to $D^0 p$ and $\bar{D}^0 h$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
402	Search for the lepton-flavor-violating decays $B(s) \rightarrow \ell^+ \ell^- \tau$ and $B \rightarrow \ell^+ \ell^- \tau$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
401	First observation of $B \rightarrow D_s^* \gamma$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 14-20	4.2	25
400	Production of associated Y and open charm hadrons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25

399	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
398	Measurement of the CP -violating phase $\arg(B_0^0 \rightarrow \pi\pi)$ 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
397	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
396	Study of D_s^+ decays to $D^+ K_{\text{S}}^0$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
395	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
394	Search for the rare decay $D_0 \rightarrow \pi\pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
393	Measurement of the shape of the $B_0 \rightarrow \pi\pi$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
392	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
391	Measurement of the ratio of B_c^+ branching fractions to J/ψ and J/ψ final states. <i>Physical Review D</i> , 2014 , 90,	4.9	23
390	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9 \text{ TeV}$ and 7 TeV . <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
389	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B_0 \rightarrow \pi^+ K^+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
388	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
387	Search for the lepton flavour violating decay $\mu \rightarrow e \gamma$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
386	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
385	Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
384	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
383	First observation of the decay $B_c^+ \rightarrow \pi^+ \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
382	Measurement of the $B^0 \rightarrow \pi^+ e^- e^+$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22

381	Observation of the Decays $B^0 \rightarrow \bar{c}1 p K^-$ and $B^0 \rightarrow \bar{c}2 p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
380	Measurement of CP Violation in $B^0 \rightarrow \bar{c} S^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
379	Measurement of the forward-backward asymmetry in $Z/\bar{c} \rightarrow \mu\mu$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
378	Measurement of the $B^0 \rightarrow B^0$ and $B^0 \rightarrow B_s^0$ 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
377	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
376	Observation of $B^0 \rightarrow \bar{c} K^+ K^-$ and evidence for $B(s) \rightarrow \bar{c} K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
375	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
374	Forward production of Λ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
373	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
372	Measurement of the CP asymmetry in $B(0) \rightarrow \bar{c} K^+ K^+$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
371	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
370	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
369	Observation of the decay $(B_c^+ \rightarrow \bar{c} K + K)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
368	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
367	Angular analysis of the $B^0 \rightarrow \bar{c} e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	20
366	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
365	A model-independent Dalitz plot analysis of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
364	Measurements of the branching fractions for $B(s) \rightarrow \bar{c} s$ and $B^0 \rightarrow \bar{c} s$. <i>Physical Review D</i> , 2011 , 84,	4.9	20

- 363 Prompt . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2010**, 693, 69-80.4.2 20
- 362 Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. *Physical Review D*, **2020**, 101, 4.9 19
- 361 Measurements of the branching fractions of [Formula: see text] decays. *European Physical Journal C*, **2013**, 73, 2462 4.2 19
- 360 Model-independent search for CP violation in . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2013**, 726, 623-633 4.2 19
- 359 Measurement of the CKM angle β using $B \rightarrow \pi K$ with $D \rightarrow S \pi$ and $D \rightarrow S K + K \pi$ decays. *Journal of High Energy Physics*, **2014**, 2014, 1 5.4 19
- 358 Measurement of the $B \rightarrow \pi$ production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. *Journal of High Energy Physics*, **2012**, 2012, 1 5.4 19
- 357 Measurements of the branching fractions and CP asymmetries of $B \rightarrow \pi \pi$ and $B \rightarrow \pi S$ decays. *Physical Review D*, **2012**, 85, 4.9 19
- 356 First observations of $B \rightarrow D \pi$ and $D \rightarrow \pi$ decays. *Physical Review D*, **2013**, 87, 4.9 19
- 355 Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. *Physical Review Letters*, **2017**, 118, 081801.4 18
- 354 Observation of an Excited B_{c^+} State. *Physical Review Letters*, **2019**, 122, 232001 7.4 18
- 353 Study of the lineshape of the $B_1(3872)$ state. *Physical Review D*, **2020**, 102, 4.9 18
- 352 First Observation of Excited B_c^+ States. *Physical Review Letters*, **2020**, 124, 082002 7.4 18
- 351 Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^+ \pi^0$ Decays. *Physical Review Letters*, **2020**, 124, 031801 7.4 18
- 350 Measurement of the CP Asymmetry in $B_s^0 \rightarrow B_s^0$ Mixing. *Physical Review Letters*, **2016**, 117, 061803 7.4 18
- 349 Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{S}}^0 \pi^0)$ and $(K_{\text{S}}^0 K^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0)$ decay. *Journal of High Energy Physics*, **2014**, 2014, 1 5.4 18
- 348 Angular analysis of charged and neutral $B \rightarrow K \pi$ decays. *Journal of High Energy Physics*, **2014**, 2014, 1 5.4 18
- 347 Measurements of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. *Physical Review Letters*, **2014**, 112, 041801 7.4 18
- 346 Measurement of relative branching fractions of decays to (2) and 1 mesons. *European Physical Journal C*, **2012**, 72, 2118 4.2 18

345	Measurement of the inclusive γ cross-section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 267-273	4.2	18
344	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
343	Prospects for measurements with strange hadrons at LHCb. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
342	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
341	Measurement of the forward energy flow in collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
340	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
339	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
338	Measurement of the CP-violating phase ϕ_s in $B_s(0) \rightarrow D_s(+)-D_s(-)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7.4	17
337	Observation of $B(s)(0) \rightarrow J/\psi(1285)$ decays and measurement of the $\phi(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
336	Measurement of the $\Upsilon(3P)$ mass and of the relative rate of $\Upsilon(1P)$ and $\Upsilon(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
335	Measurement of the fraction of $\Upsilon(1S)$ originating from $\Upsilon(1P)$ decays in pp collisions at $(\sqrt{s}=7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
334	Search for CP violation in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
333	Measurement of the $B_s^0 \rightarrow \mu^+ \mu^-$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
332	Observations of $\Upsilon(1S) \rightarrow b \bar{b} + \mu^+ \mu^-$ and $\Upsilon(1S) \rightarrow b \bar{b} + K^+ K^-$ decays and searches for other $\Upsilon(1S)$ decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
331	Study of B_c^+ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
330	Angular moments of the decay $\Upsilon(1S) \rightarrow b \bar{b}$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
329	First Experimental Study of Photon Polarization in Radiative $B_{\{s\}}^0 \rightarrow \gamma \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
328	Search for CP violation in $D^0 \rightarrow \mu^+ \mu^-$ 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

327	First Observation of D^0 - \overline{D}^0 Oscillations in D^0 - \overline{K}^0 Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
326	Near-threshold ($\overline{D}D$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
325	Evidence for the decay ($B_c^+ \rightarrow J/\psi \psi^+ \psi^-$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
324	Measurement of the effective B_s - \overline{K}^0 lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
323	Observation of $\psi(2S)$ - ψ and search for $X(3872)$ - ψ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
322	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
321	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	7.4	16
320	Amplitude analysis of $B^0 \rightarrow \overline{D}^0 K^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
319	Search for CP violation using T-odd correlations in $D^0 \rightarrow \overline{K}^0 + K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
318	Observations of ψ . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
317	Measurement of the branching fractions of the decays $B_s^0 \rightarrow \overline{D}^0 K^0$ and $B^0 \rightarrow \overline{D}^0 K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
316	Observation of $B(s)(0) \rightarrow J/\psi(1525)$ in $J/\psi + K$ - final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
315	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
314	Measurement of CP observables in $B_{\psi}^0 \rightarrow \overline{D} K^0$ and $B_{\psi}^0 \rightarrow \overline{D} D$ 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
313	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
312	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
311	Search for CP violation in the decay ψ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
310	Measurement of the $B^0 \overline{B}^0$ oscillation frequency Γ_{hd} with the decays $B^0 \rightarrow \overline{D}^0$ and $B^0 \rightarrow \overline{K}^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15

309	Observation of the $B_{\text{c}}^0/\bar{B}_{\text{c}}^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
308	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^0 \pi^0$ and $B^+ \rightarrow K^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
307	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
306	Measurements of the branching fractions of the decays $B_{\text{c}}^0 \rightarrow D_{\text{c}}^{\pm} \pi^{\mp} K^{\pm}$ and $B_{\text{c}}^0 \rightarrow D_{\text{c}}^{\pm} \pi^{\mp} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
305	Measurement of the polarization amplitudes in $B^0 \rightarrow \rho^0 K^*$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
304	Study of the $\bar{D}(3823)$ and $\bar{D}^*(3872)$ states in $B^+ \rightarrow \bar{D} K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
303	Observation of $\Lambda_b^0 \rightarrow p K^0$ and $\Lambda_b^0 \rightarrow n K^0$ decays and a measurement of the Λ_b^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
302	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
301	Evidence for the decay $(B_{\text{c}}^0 \rightarrow \bar{K}^0 \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
300	Precise measurements of the properties of the $B(5721)^0$, $B^*(5747)^0$, and $B^*(5747)^+$ states and observation of B_{c}^+ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
299	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
298	Precision measurement of the $\bar{\Lambda}^+$, $\bar{\Lambda}^0$, and $\bar{\Lambda}^-$ baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
297	Search for CP violation in $D \rightarrow \bar{K}^0 \pi^0$ and $(D_{\text{c}}^+ \rightarrow K_{\text{c}}^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
296	Study of $B_{\text{c}}^0 \rightarrow K_{\text{c}}^{\pm} \pi^{\mp} K^{\pm}$ decays with first observation of $B_{\text{c}}^0 \rightarrow K_{\text{c}}^{\pm} \pi^{\mp} \pi^{\pm}$ and $B_{\text{c}}^0 \rightarrow K_{\text{c}}^{\pm} \pi^{\mp} \pi^{\pm} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
295	Observation of $B_{\text{c}}^0 \rightarrow \bar{B}_{\text{c}}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
294	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
293	Observation of D^0 Meson Decays to $\pi^+ \pi^- \pi^0$ and $K^+ K^- \pi^0$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
292	Evidence for the Strangeness-Changing Weak Decay $\bar{B}_{\text{c}}^0 \rightarrow \bar{B}_{\text{c}}^0 \pi^0$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14

291	Evidence for CP violation in $B^+ \rightarrow \bar{p}pK^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
290	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
289	First measurement of the CP-violating phase in $B_s(0) \rightarrow \bar{p}p$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
288	First observation of $B^0 \rightarrow \bar{p}p$ and search for $B^0 \rightarrow \bar{p}p$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
287	Search for rare $B(0) \rightarrow \bar{p}p$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
286	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
285	Measurement of the $B^0(s)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
284	Angular Analysis of the $B^+ \rightarrow \bar{K}^* K^+$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
283	Search for the lepton-flavour violating decay $D^0 \rightarrow \bar{p}p$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14
282	Amplitude Analysis of $B^+ \rightarrow \bar{p}p K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
281	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \bar{p}p$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
280	Study of the rare B_s0 and $B0$ decays into the $\bar{p}p$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13
279	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
278	Studies of the resonance structure in $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
277	First evidence for the annihilation decay mode $\{B^+ \rightarrow D_s^+ \bar{p} \}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	13
276	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
275	Observation of the decay $B_s0 \rightarrow \bar{p}p$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
274	Observation of $B_{c^+} \rightarrow \bar{D}^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13

273	Resonances and CP violation in B^0 s and $(\overline{B}_s^0 \rightarrow J/\psi \{K^+\}_{K^-})$ decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
272	Study of CP violation in $B^0 \rightarrow h^0$ ($h=K, \pi$) with the modes $D \rightarrow K^0$, $D \rightarrow \pi^0$ and $D \rightarrow K^+ K^-$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
271	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
270	Measurement of CP violation and constraints on the CKM angle $\arg(B_{cb}^* D_{cb})$ with $D \rightarrow K^0 \pi^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
269	Measurement of CP violation in $B_s^0 \rightarrow \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
268	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
267	Search for the doubly charmed baryon (Ξ_{cc}^{++}) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
266	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
265	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
264	Search for the Lepton-Flavor-Violating Decays $B_{s^0} \rightarrow \mu^+ \mu^- \gamma$ and $B^0 \rightarrow \mu^+ \mu^- \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
263	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	13
262	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
261	Measurement of B^+ , B^0 and \overline{B}^0 production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
260	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^+ \ell^- \ell^+)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
259	Measurement of CP violation parameters and polarisation fractions in $(\overline{B}_s^0 \rightarrow J/\psi \{K^+\}_{K^-})$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
258	Observation of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4.2	12
257	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
256	A study of CP violation in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^- K^+$ 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

255	Measurement of the ratio of branching fractions $B(B \rightarrow K^* \pi^0)/B(B \rightarrow \rho^0 \pi^0)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
254	Measurement of the α . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
253	Measurement of V_{cb} 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
252	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
251	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
250	Measurement of the Λ_c^+ Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
249	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
248	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
247	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$ in the $K^*_{0,2}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
246	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
245	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \pi^0 K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
244	Measurement of the CP Violation Parameter A_{FB}^0 in $D^+ \rightarrow K^+ K^0$ and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
243	Measurement of the branching fraction ratio $B(B_c \rightarrow \rho^0 \pi^0)/B(B_c \rightarrow \rho^0 \pi^+ \pi^-)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
242	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
241	Measurement of CP violation parameters in $B^0 \rightarrow \bar{D}^* K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
240	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
239	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
238	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11

237	Updated determination of D^0D^0 mixing and CP violation parameters with $D^0\text{-}\bar{K}^0$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
236	Observation of New Resonances Decaying to J/ψ^+ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
235	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
234	Observation of New Ξ^0 Baryons Decaying to Ξ^+K^- . <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
233	Measurement of CP observables in $B^0\text{-}\bar{D}^0$ and $B^0\text{-}\bar{D}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
232	Study of $\psi(2S)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
231	First observation of the decay $D^0\text{-}\bar{K}^0$ in the D^0 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
230	Measurement of the B^0 and B^+ Baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 154-162	4.2	10
229	Measurement of the charge asymmetry in B^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
228	Search for the rare decay $(K^0 \rightarrow \mu^+\mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
227	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
226	Measurement of B_{s^0} and D_{s^0} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
225	Observation of the suppressed decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
224	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
223	First Observation of a Baryonic B_{s^0} Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
222	Search for the decay $(B_{s^0} \rightarrow \bar{D}^0 F_0(980))$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
221	Measurement of the B_{s^0} meson lifetime in D_s^+ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
220	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

219	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
218	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
217	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
216	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
215	Search for B_c^+ decays to the $p\bar{p}$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
214	Prompt \bar{c} production in pPb collisions at $(\sqrt{s_{\text{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
213	Measurement of the mass and production rate of B_c^+ baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
212	Determination of β and β' 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
211	A measurement of the CP asymmetry difference between $\bar{B}^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
210	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^+ K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
209	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K^0 \pi^+$ and $B^+ \rightarrow K^+ \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
208	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	9
207	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
206	Study of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
205	First observation of the decays $B_c^+(s) \rightarrow D_s^+ K^0$ and $B_c^+(s) \rightarrow D_s^+ K^+$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
204	Measurement of the $(\eta_c(1S))$ production cross-section in $(p-p)$ collisions at $(\sqrt{s} = 13)$ (TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
203	Search for CP violation in $B^0 \rightarrow \pi^+ \pi^-$ 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
202	Measurement of the CKM angle β using $B^0 \rightarrow \pi^+ \pi^- K^0$ with $D^+ \rightarrow \pi^+ K^0$ and $D^0 \rightarrow \pi^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9

201	Search for the rare decay $B^+ \rightarrow \rho^0 K^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
200	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow \pi^+ K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
199	Observation of $B_c^+ \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
198	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
197	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^+ \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
196	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
195	Study of B^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
194	Determination of quantum numbers for several excited charmed mesons observed in $B^0 \rightarrow D^{*+} \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8
193	Measurement of branching fractions of charmless four-body $B^0 \rightarrow b$ and $B^0 \rightarrow b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
192	Evidence for the Rare Decay $B^0 \rightarrow \rho^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
191	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \rho^0 K^*(892)^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
190	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
189	Observation of $B^0 \rightarrow \pi^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
188	Γ_{c1} and Γ_{c2} Resonance Parameters with the Decays $B^0 \rightarrow \rho^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
187	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
186	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
185	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
184	Search for CP violation in $D^0 \rightarrow \rho^0 K^0$ and $D^0 \rightarrow \pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8

183	First observation of the decays $B(0) \rightarrow D^{(+)}K^{(-)}\pi^{(+)}\pi^{(-)}$ and $B^{(-)} \rightarrow D^{(0)}K^{(-)}\pi^{(+)}\pi^{(-)}$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
182	Search for the lepton flavour violating decay $B \rightarrow K\mu\tau$ using $(B \rightarrow K\mu\mu)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
181	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
180	Measurement of forward W $\rightarrow \mu\tau$ production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
179	Search for Lepton-Flavor Violating Decays $B^{(+)} \rightarrow K^{(+)}\mu\tau e^{(\pm)}$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
178	Study of τ 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
177	Measurement of Angular and CP Asymmetries in $D^{(0)} \rightarrow K^{(+)}\pi^{(-)}\pi^{(+)}\pi^{(-)}$ and $D^{(0)} \rightarrow K^{(+)}K^{(-)}\pi^{(+)}\pi^{(-)}$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
176	Measurements of the branching fractions of $\tau \rightarrow \mu\pi$, $\tau \rightarrow \mu K^0$, and $\tau \rightarrow \mu K^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
175	Search for the CP-violating strong decays η and $\eta(958) \rightarrow \pi\pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
174	Observation of the Decay $B^0 \rightarrow \pi^+ K^0$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
173	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
172	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
171	Study of $D^{(*)} + sJ$ mesons decaying to $D^{*} + K^0 S$ and $D^{*0} K +$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
170	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
169	Observation of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
168	First Observation of the Radiative Decay $B^0 \rightarrow \pi^0 \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
167	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
166	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

165	First evidence for the two-body charmless baryonic decay $\Lambda_b^0 \rightarrow p \bar{K}^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	7
164	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
163	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
162	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
161	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
160	Observation of the $B(s)(0) \rightarrow \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7-4	7
159	First observations of the rare decays $B^+ \rightarrow \bar{K}^0 \pi^+ \pi^0$ and $B^+ \rightarrow \bar{K}^0 K^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	7
158	Search for CP violation in $\{\chi_c^+ \rightarrow p \bar{K}^+ \pi^+\}$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	7
157	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
156	Measurement of $f_{\text{D}}/f_{\text{u}}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7-4	7
155	First Observation of the Decay $B_{\text{s}}^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and a Measurement of $ V_{\text{ub}} / V_{\text{cb}} $. <i>Physical Review Letters</i> , 2021 , 126, 081804	7-4	7
154	Search for a dimuon resonance in the Λ_b^0 mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
153	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and $B^0 \rightarrow \bar{K}^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
152	Amplitude Analysis of the Decay $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7-4	7
151	Measurement of the B_{d} production asymmetry and the CP asymmetry in $B_{\text{d}}^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4-9	6
150	Measurement of $ V_{\text{cb}} $ with $B_{\text{s}}^0 \rightarrow \bar{D}_{\text{s}}^{*0} \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4-9	6
149	First measurement of the CP-violating phase $(\phi_{\text{d}}^{\text{d}})$ in $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
148	Measurement of the mass and lifetime of the Λ_{b} baryon. <i>Physical Review D</i> , 2016 , 93,	4-9	6

147	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow DK^+$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
146	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
145	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
144	Searches for $(B_{(s)}^0 \rightarrow [J/\psi p] \overline{p})$ and $B^+ \rightarrow [J/\psi p] \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
143	Measurement of CP asymmetries in $D^0 \rightarrow \pi^0 \pi^0$ and $D_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
142	Observation of the decay $B_s^0 \rightarrow \pi^+ \pi^-$ and evidence for $B_s^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
141	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
140	Measurement of CP asymmetries and polarisation fractions in ($B_s^0 \rightarrow \overline{K}^{*0} K^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
139	Search for the $D^0 \rightarrow b \pi$ and $D^0 \rightarrow b \pi$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
138	Observation of $B_{(s)}^0 \rightarrow \overline{K}^{*0} K^0$ and evidence for $B_{(s)}^0 \rightarrow \overline{K}^{*0} \pi^0$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
137	Search for the decay $B_s^0 \rightarrow D^* \pi$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
136	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
135	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^*$ with $D \rightarrow K S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
134	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
133	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow DK^*$ decays with $D \rightarrow K S^0$ and $K S^0 K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
132	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
131	Measurement of η' production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
130	First observation of $B^+ \rightarrow D^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s \eta'$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

129	Precise measurement of the f_s/f_d ratio of fragmentation fractions and of B_s^0 decay branching fractions. <i>Physical Review D</i> , 2021 , 104,	4.9	6
128	Observation of charmless baryonic decays $B(s)0 \rightarrow p \pi^+ h^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
127	Observation of the $(\Lambda_{\text{charm}}^0 \rightarrow \text{p} \chi_{c1}^0)$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
126	Observation of $B_{s^0} \rightarrow \bar{D}^0 K_{S^0}$ and Evidence for $B_{s^0} \rightarrow \bar{D}^0 K_{S^0}^*$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
125	Amplitude analysis of $B^0 \rightarrow \bar{K}^0 S^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
124	Observation of the $B^0 \rightarrow \bar{K}^0 S^0 K^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
123	Observation of the decay $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
122	Study of $(\overline{\text{charm}} \text{charm})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
121	Determination of the branching fractions of $B^0 \rightarrow \bar{D}^0 S^0 K^+$ and $B^0 \rightarrow \bar{D}^0 \bar{K}^+ K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	5
120	Branching Fraction Measurements of the Rare $B_{s^0} \rightarrow \bar{D}^0 \pi^+ \pi^-$ and $B_{s^0} \rightarrow \bar{D}^0 \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
119	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
118	Measurement of the ratio of branching fractions $(\text{BR}(B \rightarrow \bar{c} \pi^+ \pi^0) / \text{BR}(B \rightarrow \bar{c} \pi^+ \pi^+)) / (\text{BR}(B \rightarrow \bar{c} \pi^+ \pi^0) / \text{BR}(B \rightarrow \bar{c} \pi^+ \pi^+))$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
117	A search for $(\Xi_{\text{charm}}^{++}) \rightarrow \bar{D}^0 p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
116	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
115	Observation of the decay $B^0 \rightarrow \bar{D}^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
114	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
113	Measurement of forward $t\bar{t}$, $W+bb$ and $W+cc$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 110-120	4.2	4
112	Observation of $[B_{\text{charm}}^0]$ and $[B_{\text{charm}}^+]$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4

111	Observation of $B_{(s)}^{0-\bar{0}}/\bar{0}p[\overline{\square}]$ Decays and Precision Measurements of the $B_{(s)}^{0}$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
110	Search for the Rare Decays $B_{(s)}^{0-\bar{0}}e^{+}$ and $B^{0-\bar{0}}e^{+}$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
109	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
108	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s}=7$ and 13 TeV . <i>European Physical Journal C</i> , 2020 , 80,	4.2	4
107	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
106	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
105	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
104	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
103	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
102	Evidence for the two-body charmless baryonic decay ($B^+ \rightarrow \bar{p} \Lambda^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
101	First Observation of the Rare Purely Baryonic Decay $B^+ \rightarrow \bar{p} p[\overline{\square}]$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
100	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
99	Updated branching fraction measurements of $B^0 \rightarrow \bar{K}^0 S^0 h^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
98	Study of $B^0 \rightarrow \bar{D}^0 K^0$ and $B^0 \rightarrow \bar{D}^0 \bar{K}^0$ decays and determination of the CKM angle α <i>Physical Review D</i> , 2015 , 92,	4.9	4
97	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \bar{D}^+ K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	4
96	Strong constraints on the $b \rightarrow \bar{s} \gamma$ photon polarisation from $B^0 \rightarrow \bar{K}^0 e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
95	Search for CP violation and observation of P violation in $B^0 \rightarrow \bar{D}^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
94	Observation of Multiplicity Dependent Prompt $c(3872)$ and $\psi(2S)$ Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4

93	Measurement of the B_{s0} - \bar{B} lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4.2	4
92	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
91	Observation of a new B_0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
90	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
89	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
88	Measurement of D^0 production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
87	First branching fraction measurement of the suppressed decay $B_0 \rightarrow \bar{B}^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
86	First observation of the rare $B^+ \rightarrow \bar{D}^+ K^+ \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
85	Measurement of the $B_{s0} \rightarrow D_s^*(*) + D_s^*(*)$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
84	First observation of the decay $B^0 \rightarrow K^0 K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
83	Measurement of the branching fractions of the decays $D^+ \rightarrow K^0 K^+ K^+$, $D^+ \rightarrow K^+ K^+$ and $D^0 \rightarrow K^+ K^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
82	Amplitude analysis of the ($B^0 \rightarrow K^{*0} \bar{K}^{*0}$) decays and measurement of the branching fraction of the ($B^0 \rightarrow K^{*0} \bar{K}^{*0}$) decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
81	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
80	Observation of a New Excited D_{s1}^+ Meson in $B^0 \rightarrow D^{*+} K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
79	Search for heavy neutral leptons in ($W^+ \rightarrow \mu^+ \mu^{\pm}$), (jet) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
78	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
77	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
76	Search for long-lived particles decaying to (e^{\pm}) (μ^{\pm}) (ν). <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3

75	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
74	Search for the doubly heavy baryons Λ_{cc}^{\pm} and Σ_{cc}^{\pm} decaying to $\Lambda_c^{\pm} \pi^{\pm}$ and $\Sigma_c^{\pm} \pi^{\pm}$. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
73	Observation of an exotic narrow doubly charmed tetraquark. <i>Nature Physics</i> ,	16.2	3
72	Measurement of the relative $B \rightarrow D^0/D^{*0}$ branching fractions using B mesons from $B \rightarrow D^0 D^{*0}$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
71	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow \mu^+ \mu^-$ 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
70	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
69	Observation of the doubly Cabibbo-suppressed decay $B_c \rightarrow c \bar{c} \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
68	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
67	Measurement of the $(\Lambda_b^0) \rightarrow \mu^+ \mu^-$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
66	Measurement of CP observables in $B \rightarrow D K$ and $B \rightarrow D^* K$ with $D \rightarrow \{K_{\text{S}}^0\}^{\pm} \pi^{\mp}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
65	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \mu^+ \mu^- D^+$ and $B \rightarrow \mu^+ \mu^- \bar{D}^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
64	Study of the $B^0 \rightarrow \pi^0 \pi^+ K^{*0}(892)$ decay with an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
63	Observation of the $B^+ \rightarrow D^+ K^+ \pi^0$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
62	Measurement of CP violation in $B^0 \rightarrow \mu^+ \mu^- S^0$ and $B^0 \rightarrow \mu^+ \mu^- K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
61	A method to measure the absolute branching fractions of (Λ_c) decays. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	2
60	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
59	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
58	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7\text{ TeV})$ 2012 , 2012, 1		2

57	Search for the doubly heavy (Ξ_{bc}^0) baryon via decays to $D^0 p K^0$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
56	Isospin Amplitudes in $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
55	Observation of the $(B_s^0) \rightarrow D^* \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
54	Measurement of CP observables in $B^0 \rightarrow D^{*0} K^0$ and $B^0 \rightarrow D^{*0} \pi^0$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
53	Measurement of CP-Violating and Mixing-Induced Observables in $B_{s^0} \rightarrow \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
52	Study of $(B_{s^0} \rightarrow \pi^0 K^0)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
51	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
50	Measurement of CP violation in $B^0 \rightarrow D^* \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
49	Observation of new excited B_{s^0} states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
48	Search for CP violation in $B^0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
47	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
46	Constraints on the $K_{S^0} \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
45	Measurement of the branching fraction of the decay $B_s^0 \rightarrow K_S^0 K_S^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
44	First observation of the decay $B^0 \rightarrow D^0 \pi^+ K^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
43	First observation of forward Z $\rightarrow b\bar{b}$ production in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1
42	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
41	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
40	The magnetic distortion calibration system of the LHCb RICH1 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 735, 44-52	1.2	1

39	Search for the $B_{0s} \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
38	Search for Baryon-Number Violating $\Delta B = 1$ Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
37	Measurement of the $B_{0s} \rightarrow \mu^+ \mu^-$ decay properties and search for the $B_{0s} \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ and $B_{0s} \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2022 , 105,	4.9	1
36	Measurement of the relative branching fractions of $B^+ \rightarrow \bar{h} h^+ h^+ \mu^+ \nu_{\mu}$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
35	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_{\mu}$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
34	Angular analysis of the rare decay $(B_{s^0} \rightarrow \bar{p} \mu^+ \nu_{\mu})$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
33	Measurement of the shape of the $(B_{s^0} \rightarrow D_{s^0} \bar{p} \mu^+ \nu_{\mu})$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
32	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
31	Precision measurement of the (B_{c^+}) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
30	Measurement of CP Violation in the Decay $B^+ \rightarrow \bar{K}^+ \mu^+ \nu_{\mu}$. <i>Physical Review Letters</i> , 2021 , 126, 091802	7.4	1
29	Observation of CP violation in two-body $(B_{(s)}^0 \rightarrow \bar{h} h^+ \mu^+ \nu_{\mu})$ -meson decays to charged pions and kaons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
28	Search for the rare decay $B_{0s} \rightarrow \mu^+ \mu^-$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
27	Measurement of differential (\bar{b}) - and (\bar{c}) -dijet cross-sections in the forward region of pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
26	Measurement of the CP asymmetry in $B_{(s)}^0 \rightarrow D^0$ and $B_{(s)}^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
25	Precise determination of the $B_{(s)}^0 \rightarrow \bar{B}_{(s)}^0$ oscillation frequency. <i>Nature Physics</i> , 2022 , 18, 1-5	16.2	0
24	Measurement of $\bar{\nu}_1(3872)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
23	Evidence for a New Structure in the J/ψ and $J/\psi[\text{over } \psi]$ Systems in $B_{(s)}^0 \rightarrow \psi/\psi[\text{over } \psi]$ Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
22	Measurement of CP violation in $B_{0s} \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0

21	First measurement of the (CP)-violating phase in $(\{B\}^0 \rightarrow \{J/\psi\} \phi)$ (\rightarrow) (e^+e^-)(ϕ) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	○
20	Observation of the $B^0 \rightarrow K^+K^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 815, 136172	4.2	○
19	Observation of the decay $(\Lambda_{\text{b}}^0 \rightarrow p\pi^-)$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
18	Measurement of CP violation in the $(B_s^0 \rightarrow \phi\phi)$ decay and search for the $B^0 \rightarrow \pi^+\pi^-$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	○
17	Measurement of the CKM angle β in $B^0 \rightarrow D^+K^-$ and $B^0 \rightarrow D^0K^-$ decays with $D \rightarrow \{K\}^0$ (\rightarrow) (h^+h^-). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
16	Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2}^+K^-)$ in the B mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	○
15	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	○
14	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2021 , 127, 111801	7.4	○
13	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , 2022 , 17, P02028	1	○
12	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	○
11	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in p-Pb and pp Collisions at $\sqrt{s_{NN}}=5$ TeV.. <i>Physical Review Letters</i> , 2022 , 128, 142004	7.4	○
10	Search for the doubly charmed baryon Ξ_{cc}^+ in the $\Xi_{cc}^+\pi^-\pi^+$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
9	Observation of Two New Excited χ_{b}^0 States Decaying to $\chi_{\text{b}}^0K^-\pi^+$.. <i>Physical Review Letters</i> , 2022 , 128, 162001	7.4	○
8	Search for the decay $B^0 \rightarrow \pi^+\pi^-$. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○
7	Centrality determination in heavy-ion collisions with the LHCb detector. <i>Journal of Instrumentation</i> , 2022 , 17, P05009	1	○
6	Production and spectroscopy at LHCb. <i>EPJ Web of Conferences</i> , 2014 , 70, 00037	0.3	○
5	Studies of soft QCD at LHCb. <i>EPJ Web of Conferences</i> , 2013 , 49, 16002	0.3	○
4	Study of $\{B\}_{\text{c}}^+$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	○

- 3 Timing optimization for 3D silicon sensors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2020**, 958, 162491 1.2
- 2 Observation of $\Lambda_b^0 \rightarrow D^+ p$ and $\Lambda_b^0 \rightarrow D^{*+} p$ decays. *Journal of High Energy Physics*, **2022**, 2022, 1 5.4
- 1 Updated search for B_c^+ decays to two charm mesons. *Journal of High Energy Physics*, **2021**, 2021, 1 5.4