

Juan Jos Saborido Silva

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519
papers

19,265
citations

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115
g-index

530
ext. papers

22,587
ext. citations

5.3
avg, IF

5.99
L-index

#	Paper	IF	Citations
519	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
518	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \psi p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
517	Test of lepton universality using $b \rightarrow c \tau \nu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
516	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
515	Measurement of the spin-dependent structure function $g_1(x)$ of the deuteron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 302, 533-539	4.2	338
514	Observation of the rare $B(s)_1(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
513	Measurement of the ratio of branching fractions $B(B \rightarrow \mu^+ \mu^-) / B(B \rightarrow e^+ e^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
512	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
511	Measurement of the spin-dependent structure function $g_1(x)$ of the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 329, 399-406	4.2	303
510	Test of lepton universality with $B \rightarrow K^{*0} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
509	Observation of the Doubly Charmed Baryon Λ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
508	Spin asymmetries A_1 and structure functions g_1 of the proton and the deuteron from polarized high energy muon scattering. <i>Physical Review D</i> , 1998 , 58,	4.9	237
507	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
506	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
505	Angular analysis of the $B \rightarrow K^{*0} \mu^+ \mu^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
504	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
503	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

502	Spin structure of the proton from polarized inclusive deep-inelastic muon-proton scattering. <i>Physical Review D</i> , 1997 , 56, 5330-5358	4.9	205
501	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
500	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
499	Observation of Five New Narrow Ξ_{c}^{\prime} States Decaying to $\Xi_{c}^{\prime} K^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
498	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
497	Strong constraints on the rare decays $B(s) \rightarrow \mu^{+} \mu^{-}$ and $B^0 \rightarrow \mu^{+} \mu^{-}$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
496	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
495	Polarised quark distributions in the nucleon from semi-inclusive spin asymmetries. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 420, 180-190	4.2	142
494	A new measurement of the spin-dependent structure function $g_1(x)$ of the deuteron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 248-254	4.2	142
493	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow s^{-} \mu^{+} \mu^{-}$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
492	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \mu^{+} \mu^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
491	Measurement of the Ratio of the $B^{+} \rightarrow D^{*+} \mu^{+} \mu^{-}$ and $B^{+} \rightarrow D^{*+} \tau^{+} \tau^{-}$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
490	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
489	Next-to-leading order QCD analysis of the spin structure function g_1 . <i>Physical Review D</i> , 1998 , 58,	4.9	113
488	Measurement of the Ratio of Branching Fractions $B(B_{c}^{+} \rightarrow \mu^{+} \mu^{-})/B(B_{c}^{+} \rightarrow \tau^{+} \tau^{-})$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
487	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
486	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*} \mu^{+} \mu^{-}$ branching fraction using three-prong μ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
485	Measurement of the $B_{s}^{+} \rightarrow \mu^{+} \mu^{-}$ Branching Fraction and Effective Lifetime and Search for $B^{+} \rightarrow \mu^{+} \mu^{-}$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106

484	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
483	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* K^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
482	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \psi K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
481	Measurement of the CP-violating phase $\gamma(s)$ in the decay $B(s)0 \rightarrow \psi K^0$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
480	Polarisation of valence and non-strange sea quarks in the nucleon from semi-inclusive spin asymmetries. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 369, 93-100	4.2	93
479	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
478	Spin asymmetries for events with high p_T hadrons in DIS and an evaluation of the gluon polarization. <i>Physical Review D</i> , 2004 , 70,	4.9	88
477	Measurement of Λ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
476	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \psi K^0)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
475	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
474	Spin asymmetry in muon-proton deep inelastic scattering on a transversely-polarized target. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 336, 125-130	4.2	86
473	Model-Independent Evidence for J/ψ Contributions to $B^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
472	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
471	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
470	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	4.7	87
469	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
468	First measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 619, 50-60	4.2	83
467	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79

466	Evidence for the decay . <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
465	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
464	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
463	First observation of CP violation in the decays of B(s)0 mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
462	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
461	Search for Majorana neutrinos in B- \rightarrow $\mu^+\mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
460	Dalitz plot analysis of Bs0 \rightarrow D0 K \pm decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
459	Measurement of CP violation in the phase space of B \pm -K \pm \rightarrow $\mu^+\mu^-$ and B \pm -K \pm \rightarrow K \pm K \pm decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
458	Observation of CP violation in B \pm -DK \pm decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
457	Study of D J meson decays to D + $\mu^+\mu^-$ and D * + $\mu^+\mu^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
456	Observation of excited $\Lambda_b(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
455	Measurement of CP violation and the Bs0 meson decay width difference with Bs0 \rightarrow $\mu^+\mu^-$ and Bs0 \rightarrow $\mu^+\mu^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
454	First observation of Bs0 \rightarrow $\mu^+\mu^-$ (980) decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
453	Combined analysis of world data on nucleon spin structure functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 320, 400-406	4.2	66
452	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
451	Search for Hidden-Sector Bosons in B(0)-K(*0) \rightarrow $\mu^+\mu^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
450	The spin-dependent structure function $g_1(x)$ of the proton from polarized deep-inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 414-424	4.2	65
449	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

448	Search for Structure in the $B_{s}^{0} \rightarrow \mu^{+} \mu^{-}$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
447	Differential branching fraction and angular analysis of the $B \rightarrow \pi K^{*} \pi$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
446	Measurement of CP violation in the phase space of $B \rightarrow \pi K^{*} K^{-} \pi$ and $B \rightarrow \pi \pi \pi$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
445	Observation of overlapping spin-1 and spin-3 D_{0K}^{-} resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
444	Search for $A^{\{+,-\}} \rightarrow \mu^{\{+,-\}}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
443	Measurement of the isospin asymmetry in $B \rightarrow \pi K^{*} \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
442	Analysis of the resonant components in $B \rightarrow \pi \pi \pi$ decays. <i>Physical Review D</i> , 2012 , 86,	4.9	59
441	Production of J/ψ and (χ_{c0}) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
440	Search for the rare decays $B_{s0} \rightarrow \pi \pi$ and $B_{0} \rightarrow \pi \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
439	Spin asymmetries A_1 of the proton and the deuteron in the low x and low Q ² region from polarized high energy muon scattering. <i>Physical Review D</i> , 1999 , 60,	4.9	58
438	Measurement of the $\Lambda(b)(0)$, $\Lambda(b)(-)$, and $\Lambda(b)(-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
437	Amplitude analysis of $B \rightarrow \pi \pi K^{*}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
436	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
435	Observation of the decay $B(c)(+) \rightarrow B(s)(0) \pi$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
434	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
433	Differential branching fraction and angular analysis of $B \rightarrow \pi b \rightarrow \pi \pi$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	54
432	Measurement of resonant and CP components in $B \rightarrow \pi \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
431	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

430	Precision measurement of CP violation in $B(S)(0)\text{-}\bar{b}/\bar{K}+K\text{-}$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
429	Dalitz plot analysis of $B0\text{-}\bar{D}0\bar{D}0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
428	Measurements of $B(c)+$ production and mass with the $B(c)+\text{-}fJ/\psi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
427	Measurement of the resonant and CP components in $B\bar{D}0\text{-}\bar{b}/\bar{D}0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
426	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
425	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	51
424	First observation of the decay $B(c)+\text{-}fJ/\psi(1\pm)\psi$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
423	Precision measurement of the $B0s\text{-}\bar{B}0s$ oscillation frequency with the decay $B0s\text{-}fD$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
422	Analysis of the resonant components in $B\bar{D}0\text{-}\bar{b}/\bar{D}0$ <i>Physical Review D</i> , 2013 , 87,	4.9	49
421	Search for long-lived scalar particles in $B+\text{-}K+\psi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
420	Measurements of the S-wave fraction in $B0\text{-}fK+\psi$ decays and the $B0\text{-}fK^*(892)0\text{-}\psi$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
419	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
418	Measurements of CP violation in the three-body phase space of charmless $B\psi$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
417	Searches for Majorana neutrinos in $B\psi$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
416	Observation of $Bc+\text{-}\bar{b}/D_s+$ and $Bc+\text{-}\bar{b}/D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
415	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.2	6.2	45
414	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
413	Observation of $D0\text{-}\bar{D}0$ oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45

412	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
411	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
410	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
409	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
408	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
407	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ K^-$ and $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
406	Measurement of the $B_s^0 \rightarrow B^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s(B) \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
405	Measurement of the exclusive π^0 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
404	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
403	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
402	Measurement of the $[B^0 \rightarrow \pi^+ \pi^-]$ production cross-section in proton-proton collisions via the decay $[B^0 \rightarrow \pi^+ \pi^-]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
401	Measurements of the $B^0 \rightarrow \pi^+ \pi^-$ 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
400	Measurement of the cross-section ratio . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
399	Search for the Decays $B_{s1}^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
398	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
397	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
396	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \pi^+ K^{*0} \pi^-$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
395	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

394	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
393	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
392	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
391	Observation of two new $(b)(-)$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
390	First observation of the decay $B + -f_1 \rightarrow \pi \pi$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
389	Search for lepton number violating decays $B^+ \rightarrow f_1^0 \pi^+$ and $B^+ \rightarrow f_1^- \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
388	Measurement of forward W and Z boson production in pp collisions at $s = 8 \sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	34
387	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
386	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
385	Measurement of D^0 - D^0 mixing parameters and search for CP violation using $D^0 \rightarrow f_1^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
384	Study of the $D^0 \rightarrow \rho^+ \pi^-$ amplitude in $D^0 \rightarrow b \rightarrow f_1^0 \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
383	Measurement of the CP-violating phase ϕ_1 in $B_{u,s}^0 \rightarrow f_1^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
382	Measurement of the CKM angle ϕ_1 from a combination of $B_{u,d}^0 \rightarrow f_1^0 \pi^0$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
381	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
380	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
379	Measurement of the $[Formula: see text]$ meson lifetime using $[Formula: see text]$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4.2	32
378	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
377	Amplitude analysis and branching fraction measurement of $B_{u,s}^0 \rightarrow f_1^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32

376	Measurements of long-range near-side angular correlations in sNN=5TeV 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
375	Measurement of the relative rate of prompt $\Upsilon(0)$, $\Upsilon(1)$ and $\Upsilon(2)$ production at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
374	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
373	Measurement of the flavour-specific CP-violating asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 607-615	4.2	31
372	Measurement of the CP-violating phase. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
371	Measurement of the. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
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367	Precision measurement of the mass and lifetime of the $\Upsilon(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
366	Observation of the $\Upsilon(0)$ b \rightarrow fJ/ $\Upsilon(0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
365	Observation of photon polarization in the b- $\Upsilon(0)$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
364	Search for the rare decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
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362	Search for direct CP violation in. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
361	Measurement of the differential branching fraction of the decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
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357	Observation of the decay $B_c \rightarrow \psi(2S)\mu$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
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355	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
354	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
353	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
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348	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
347	Precision measurement of the mass and lifetime of the Ξ^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
346	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
345	Measurement of the phase difference between short- and long-distance amplitudes in the $[B \rightarrow \psi(2S)\mu]$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
344	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
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342	Evidence for the decay $B^0 \rightarrow \psi(2S)\mu$ 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
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340	Model-independent confirmation of the $Z(4430)$ state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
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338	Studies of beauty baryon decays to $D_0^0 p$ and $\bar{B}^0 h^+$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
337	Search for the lepton-flavor-violating decays $B(s) \rightarrow \ell^+ \ell^- \mu^+ \nu_\mu$ and $B \rightarrow \ell^+ \ell^- \mu^+ \nu_\mu$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
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332	Measurement of the CP -violating phase $\arg(B \rightarrow \mu^+ \nu_\mu)$ 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
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330	Study of D_{sJ} decays to $\{D^{*+} K_{\mathrm{S}}^0\}$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
329	Measurement of Υ production in pp collisions at $\sqrt{s}=2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
328	Search for the rare decay $D_0^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
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326	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
325	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
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320	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
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318	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
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315	Measurement of CP Violation in $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
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313	Measurement of the $B^0 \rightarrow B^0$ and $B_s^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
312	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
311	Observation of $B^0 \rightarrow \pi^0 K^+ K^-$ and evidence for $B(s)(0) \rightarrow \pi^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
310	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
309	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
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302	Observation of the decay $(B_c^{+}) \rightarrow J/\psi + K^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
301	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
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299	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
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293	Measurement of the CKM angle α_s using $B^0 \rightarrow D^+ K^-$ with $D \rightarrow K^0 S^+ \pi^-$ or $D \rightarrow K^0 S^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
292	Measurement of the B^0 production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
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287	First Observation of Excited $\chi_{\{b\}^+}$ States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18

286	Observation of Several Sources of CP Violation in $B^+ \rightarrow \bar{D}^0 \pi^+$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
285	Measurement of the CP Asymmetry in $B_s^0 \rightarrow B^0$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
284	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{charm}}^0 \pi^0)$ and $(K_{\text{charm}}^0 K^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
283	Angular analysis of charged and neutral $B \rightarrow K \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
282	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
281	Measurement of relative branching fractions of decays to (2) and (1) mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
280	Measurement of the inclusive σ 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
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277	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
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275	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
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272	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
271	Measurement of the fraction of $\Lambda(1S)$ originating from $\bar{B}(1P)$ decays in pp collisions at $(\sqrt{s}=7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
270	Search for CP violation in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
269	Measurement of the $B_s^0 \rightarrow \bar{B}^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17

268	Observations of $\Lambda_b^- \rightarrow \Lambda^0 \pi^-$ and $\Lambda_b^- \rightarrow \Lambda^0 \pi^- K^0$ decays and searches for other Λ_b^- and Λ_b^0 decays to $\Lambda + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
267	Study of B_c^+ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow \Lambda^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
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265	First Experimental Study of Photon Polarization in Radiative $B_{(s)}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
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262	Near-threshold (\overline{D}^0) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
261	Evidence for the decay ($B_c^+ \rightarrow J/\psi \pi^+ \pi^0$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
260	Measurement of the effective $B_{(s)}^0 \rightarrow K^+ K^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
259	Observation of $B(2S) \rightarrow \rho^0 \pi^0$ and search for $X(3872) \rightarrow \rho^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
258	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
257	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	4.1	16
256	Amplitude analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
255	First K atom lifetime and K scattering length measurements. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 735, 288-294	4.2	16
254	Search for CP violation using T-odd correlations in $D^0 \rightarrow \pi^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
253	Observations of $\Lambda(1520)$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
252	Observation of $B(s)(0) \rightarrow J/\psi(1S) \pi^0$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
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250	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
249	Measurement of CP observables in $B^{\pm} \rightarrow DK^{\pm}$ and $B^{\pm} \rightarrow D^{\pm}$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 117-131	4.2	16
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247	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
246	Search for CP violation in the decay $B^0 \rightarrow \tau^+ \tau^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
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241	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
240	Measurement of the polarization amplitudes in $B^0 \rightarrow K^* \tau^+ \tau^-$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
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238	Observation of $\Lambda_b^0 \rightarrow p K^0$ and $\Lambda_b^0 \rightarrow p \pi^0$ decays and a measurement of the Λ_b^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
237	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
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235	Precise measurements of the properties of the $B(5721)^0$ and $B^*(5747)^0$ states and observation of B^+, D^0 mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
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230	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
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228	Evidence for the Strangeness-Changing Weak Decay $\overline{B}^0 \rightarrow B^0 \pi^-$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
227	Evidence for CP violation in $B^+ \rightarrow \overline{p} p K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
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225	First measurement of the CP-violating phase in $B_s(0) \rightarrow \overline{f} f$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
224	First observation of $B^0 \rightarrow \overline{B}^0 K^0$ and search for $B^0 \rightarrow \overline{B}^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
223	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
222	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
221	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14
220	Amplitude Analysis of $B^{\pm} \rightarrow \overline{B}^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
219	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \overline{B}^0 K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
218	Study of the rare B_s^0 and B^0 decays into the $\mu\mu$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13
217	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
216	Studies of the resonance structure in $D^0 \rightarrow \overline{K}^0 K^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
215	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	13

214	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
213	Observation of $B_{c}^{+}\bar{D}^{0}K^{+}$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
212	Resonances and CP violation in B_{s}^{0} 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
211	Study of CP violation in $B\rightarrow Dh$ ($h=K,\pi$) with the modes $D\bar{K}^{*0}, D\bar{K}^{*0}$ and $D\bar{K}^{*0}K^{0}$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
210	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
209	Measurement of CP violation and constraints on the CKM angle $\sin\theta_{13}\bar{\theta}_{13}$ with $D\bar{K}^{*0}\pi^{0}$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
208	Publisher's Note: Observation of $B_{c}^{+}\bar{D}_{s}^{+}$ and $B_{c}^{+}\bar{D}_{s}^{*+}$ decays [Phys. Rev. D 87, 112012 (2013)]. <i>Physical Review D</i> , 2014 , 89,	4.9	13
207	Measurement of CP violation in $B_{s}^{0}\pi^{0}$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
206	Measurement of the polarization amplitudes and triple product asymmetries in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
205	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
204	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
203	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
202	Search for the Lepton-Flavor-Violating Decays $B_{s}^{0}\rightarrow\mu^{+}\mu^{-}$ and $B^{0}\rightarrow\mu^{+}\mu^{-}$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
201	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
200	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
199	Test of lepton universality with ($\Lambda_{b}^{0}\rightarrow pK^{-}\ell^{+}\ell^{-}$) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
198	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
197	Observation of the decay $B_{s}^{0}\rightarrow\pi^{0}K^{+}\pi^{-}$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4.2	12

196	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D_s^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
195	A study of CP violation in $B_{\mu} \rightarrow D K_{\mu}^*$ and $B_{\mu} \rightarrow D \mu$ 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
194	Measurement of the ratio of branching fractions $B(B \rightarrow K^* 0)/B(B \rightarrow \rho^0)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
193	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
192	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
191	Measurement of the SMC muon beam polarisation using the asymmetry in the elastic scattering off polarised electrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 443, 1-19	1.2	12
190	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
189	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
188	Measurement of the Λ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
187	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
186	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
185	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \mu^- \mu^+$ in the $K^* 0, 2(1430)0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
184	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ S^0 \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
183	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
182	Measurement of the CP Violation Parameter A_{FB}^{μ} in $D^+ \rightarrow K^+ K^0$ and $D^+ \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
181	Measurement of the branching fraction ratio $B(B_c^+ \rightarrow \mu^+ D_s^0)/B(B_c^+ \rightarrow \mu^+ D_s^+)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
180	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
179	Measurement of CP violation parameters in $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11

178	Measurement of the CP asymmetry in $B(+)-K(+)(\pi^0)$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
177	Studies of the decays $B+\bar{p}p\pi^+$ and observation of $B+\bar{p}(1520)p$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
176	Evidence for K -atoms with DIRAC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 11-16	4.2	11
175	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
174	Updated determination of $D^0\bar{D}^0$ mixing and CP violation parameters with $D^0-K^+\pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
173	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
172	Measurement of CP observables in $B^0-\bar{D}^0(\pi^0)K^0$ and $B^0-\bar{D}^0(\pi^0)\pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
171	Gamma-aminobutyric acid (GABA) receptors genes polymorphisms and risk for restless legs syndrome. <i>Pharmacogenomics Journal</i> , 2018 , 18, 565-577	3.5	10
170	Study of $\chi(2S)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
169	First observation of the decay $D^0 \rightarrow K^0\pi^0\pi^0$ in the $\pi\pi$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 558-567	4.2	10
168	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
167	Measurement of the charge asymmetry in $B^0 \rightarrow \pi^0\pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
166	Search for the rare decay $(K_{\text{charm}}^0 \rightarrow \mu^+\mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
165	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
164	Measurement of B_{s^0} and D_{s^0} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
163	Observation of the suppressed decay $D^0 \rightarrow \pi^0\pi^0\pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
162	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	4.3	10
161	First Observation of a Baryonic B_{s^0} Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10

160	Search for the decay ($\{B\}_s^0 \rightarrow \overline{D}^0 \{f\}_0(980)$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
159	Measurement of the B_{c} meson lifetime in $D_s + \bar{B}$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
158	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
157	Measurement of CP asymmetry in $B^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
156	Measurement of the effective τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
155	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
154	Observation of $\bar{B}^0 \rightarrow K^+ \pi^-$ and $B^0 \rightarrow K^- \pi^+$ decays. <i>Physical Review Letters</i> , 2016 , 117, 112001	7.4	10
153	Search for B_c^+ decays to the $pp\pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
152	Prompt B_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
151	Measurement of the mass and production rate of B_{c} baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
150	Determination of $\tau_{\text{B}}^{\text{charmless}}$ 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
149	A measurement of the CP asymmetry difference between $\bar{B}^0 \rightarrow \pi^+ K^0$ and $B^0 \rightarrow \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
148	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^0 \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
147	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	9
146	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
145	Study of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
144	First observation of the decays $B^0 \rightarrow \pi^+ K^-$ and $B^0 \rightarrow \pi^0 K^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
143	The time-of-flight detector of the DIRAC experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 491, 41-53	1.2	9

142	Search for CP violation in $B^0 \rightarrow \rho^+ K^-$ and $B^0 \rightarrow \rho^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
141	Search for the rare decay $B^+ \rightarrow \rho^0 \pi^+$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
140	Search for the suppressed decays $B^+ \rightarrow \rho^+ K^+ \pi^0$ and $B^+ \rightarrow \rho^0 K^+ \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
139	Observation of $B_c^{+-} \rightarrow \rho^0 D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
138	Measurements of charm mixing and CP violation using $D^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
137	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^+ \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
136	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
135	Study of B^0 mixing from measurement of $B^0 \rightarrow \rho^0 \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
134	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
133	Evidence for the Rare Decay $B^+ \rightarrow \rho^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
132	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \rho^0 K^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
131	Search for the decay $B^0 \rightarrow \rho^0 \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
130	Observation of $B^0 \rightarrow \rho^0 \pi^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
129	$B^0 \rightarrow \rho^0 \pi^0 \pi^0$ and $B^0 \rightarrow \rho^0 \pi^0 \pi^0$ Resonance Parameters with the Decays $B^0 \rightarrow \rho^0 \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
128	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
127	Measurement of the $B^0 \rightarrow \rho^0 \pi^0 \pi^0$ branching fraction and search for the decay $B^0 \rightarrow \rho^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
126	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
125	Search for CP violation in $D^0 \rightarrow \rho^0 K^+ K^-$ and $D^0 \rightarrow \rho^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8

124	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
123	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
122	Measurement of forward W $\rightarrow \ell\bar{\nu}$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
121	Search for Lepton-Flavor Violating Decays $B^{(+)} \rightarrow K^{(+)}\mu^{+}\mu^{-}e^{+}\nu$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
120	Study of η 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
119	Measurement of Angular and CP Asymmetries in $D^{(0)} \rightarrow \pi^{(+)}\pi^{(-)}\pi^{(+)}\pi^{(-)}$ and $D^{(0)} \rightarrow K^{(+)}K^{(-)}\pi^{(+)}\pi^{(-)}$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
118	Measurements of the branching fractions of $\bar{D} \rightarrow \pi\pi$, $\bar{D} \rightarrow \pi K$, and $\bar{D} \rightarrow \pi K$.	5.4	8
117	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
116	Observation of the Decay $\bar{D} \rightarrow \pi K$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
115	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
114	Measurement of the Z+b-jet cross-section in pp collisions at (\sqrt{s}) = 7 TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
113	Study of $D^{(*)} \rightarrow sJ$ mesons decaying to $D^{*} + K^{0S}$ and $D^{*0} K^{+}$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
112	Observation of the $B^0 \rightarrow \pi^0\pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
111	First Observation of the Radiative Decay $\bar{D} \rightarrow \pi\pi\gamma$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
110	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
109	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
108	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
107	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7

106	Search for the rare decays $B^0 \rightarrow \mu^+ \mu^-$ and $B_s^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review D</i> , 2015 , 92,	4.9	7
105	Observation of the $B(s)(0) \rightarrow \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
104	First observation of long-lived Ξ atoms. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 12-18	4.2	7
103	First observations of the rare decays $B^+ \rightarrow \tau^+ K^0$ and $B^+ \rightarrow \tau^+ K^+$ <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
102	Measurement of f_{s}/f_{u} Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
101	Search for a dimuon resonance in the η' mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
100	Search for CP violation using triple product asymmetries in $B \rightarrow b \rightarrow \mu^+ K^0$ and $B \rightarrow b \rightarrow \mu^+ K^+$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
99	Amplitude Analysis of the Decay $B \rightarrow K^0 K^0$ and First Observation of the CP Asymmetry in $B \rightarrow K^0 K^0$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
98	Measurement of the B_{μ} production asymmetry and the CP asymmetry in $B_{\mu} \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
97	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
96	First measurement of the CP-violating phase ($\phi_{s}^{\overline{d}}$) in $B^0 \rightarrow \mu^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
95	Measurement of the mass and lifetime of the Ξ baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
94	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow D K^+$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
93	Measurements of CP asymmetries in charmless four-body (Λ^0_{cb}) and (Ξ^0_{cb}) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
92	Measurement of CP observables in $B^0 \rightarrow D K^0$ with $D \rightarrow K^+ K^-$ <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
91	Searches for $(B_{(s)}^0 \rightarrow J/\psi p) \overline{p}$ and $B^+ \rightarrow J/\psi (p) \overline{p}$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
90	Measurement of CP asymmetries in $D_{\mu} \rightarrow \mu^+ \mu^-$ and $D_s \mu \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
89	Observation of the decay $B^0 \rightarrow \tau^+ \tau^-$ and evidence for $B^0 \rightarrow \tau^+ \tau^-$ <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6

88	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
87	Measurement of CP asymmetries and polarisation fractions in ($\{B\}_s^0 \rightarrow \{K\}^{\ast 0} \overline{\{K\}^{\ast 0}} \}$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
86	Search for the $B_b^- \rightarrow \overline{D}^0$ and $B_b^- \rightarrow \overline{D}^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
85	Observation of $B_{s^0} \rightarrow \{K\}^{\ast \pm} \{K\}^{\mp} \}$ and evidence for $B_{s^0} \rightarrow \{K\}^{\ast -} \{\pi^+\}$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
84	Search for the decay $B_s^0 \rightarrow D^{\ast} \eta$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
83	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
82	Measurement of the CKM angle Γ using $B^0 \rightarrow \overline{D}^0 K^{\ast 0}$ with $D \rightarrow \overline{K}^0 S^0 \rightarrow \overline{K}^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
81	Measurement of CP Violation in $B^0 \rightarrow \overline{D}^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
80	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow \overline{D}^0 K^{\ast 0}$ decays with $D \rightarrow \overline{K}^0 S^0 \rightarrow \overline{K}^0 \pi^0$ and $K^0 S^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
79	Observation of the decay $B_s^0 \rightarrow \overline{D}^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
78	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
77	First observation of $B^+ \rightarrow \overline{D}^0 + s^+ K^+ K^-$ decays and a search for $B^+ \rightarrow \overline{D}^0 + s^+ \chi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
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75	Observation of the ($\{\Lambda\}_{\text{charm}}^0 \rightarrow \{\chi\}_{\text{charm}}^1$) (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
74	Observation of $B_{s^0} \rightarrow \overline{D}^0 K_{S^0}^{\ast}$ and Evidence for $B_{s^0} \rightarrow \overline{D}^0 K_{S^0}^{\ast}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
73	Amplitude analysis of $B^0 \rightarrow \overline{K}^0 S^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
72	Observation of the $B^0 \rightarrow \overline{K}^0 S^0 K^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
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70	Study of $(\overline{\text{b}})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
69	Determination of the branching fractions of $B^0 \rightarrow S K^0$ and $B^0 \rightarrow S K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
68	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
67	Measurement of the ratio of branching fractions $(\text{Br}(\text{B} \rightarrow \text{J}/\psi \text{K}^+ \text{K}^+) / \text{Br}(\text{B} \rightarrow \text{J}/\psi \text{K}^+ \text{K}^-))$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
66	A search for $(\Xi_{cc}^{++}) \rightarrow p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
65	Observation of $B_s^0 \rightarrow \mu^+ \mu^-$ and search for $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2018 , 98,	4-9	5
64	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4-9	5
63	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
62	Observation of $[B \rightarrow \mu^+ \mu^-]$ and $[B \rightarrow \mu^+ \mu^-]$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4-2	4
61	Observation of $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7-4	4
60	Search for the Rare Decays $B_{(s)}^0 \rightarrow e^+ e^-$ and $B_{(s)}^0 \rightarrow e^+ e^-$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7-4	4
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56	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2-8	4
55	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
54	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
53	New algorithms for identifying the flavour of $[B \rightarrow \mu^+ \mu^-]$ mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4-2	4

52	Evidence for the two-body charmless baryonic decay ($\{B\}^{\{+\}}$ to $\overline{\text{p}}\overline{\text{varLambda}}$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
51	First Observation of the Rare Purely Baryonic Decay $B^{\{0\}} \rightarrow \overline{p} p$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
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49	Updated branching fraction measurements of $B(s) \rightarrow \overline{K} S^0 h+h^? \pi$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	4
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46	Measurement of the $B_{s0} \rightarrow \overline{D} \pi$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4-2	4
45	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
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43	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
42	Measurement of $D^{\text{D}} s$ production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
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