

Abraham Antonio Gallas Torreira

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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.

699 papers	24,026 citations	70 h-index	125 g-index
734 ext. papers	28,588 ext. citations	5.3 avg, IF	6.35 L-index

#	Paper	IF	Citations
699	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
698	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1960$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
697	Observation of J/ψ Resonances Consistent with Pentaquark States in $\bar{B}^0 \rightarrow J/\psi p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
696	Test of lepton universality using $b^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
695	The ALICE experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08002-S08002	1	517
694	Observation of the narrow state $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 072001	7.4	469
693	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
692	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
691	Measurement of the ratio of branching fractions $B(B \rightarrow D^{*+} \mu^-) / B(B \rightarrow D^{*+} \tau^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
690	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
689	Test of lepton universality with $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
688	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
687	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
686	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
685	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
684	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
683	Angular analysis of the $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232

682	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
681	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using lepton + jets events with secondary vertex b -tagging. <i>Physical Review D</i> , 2005 , 71,	4.9	217
680	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
679	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
678	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
677	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
676	Observation of Five New Narrow Ξ_{c}^{*0} States Decaying to $\Xi_{c}^{*+} K^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
675	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
674	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
673	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{(*)} \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
672	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
671	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^+ \pi^-$ <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
670	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \pi^{+} \pi^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
669	Performance of the LHCb Vertex Locator. <i>Journal of Instrumentation</i> , 2014 , 9, P09007-P09007	1	129
668	Measurement of the Ratio of the $B^{*0} \rightarrow D^{*-} \pi^{+} \pi^0$ and $B^{*0} \rightarrow D^{*-} \pi^{+} \pi^0$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
667	Measurement of prompt charm meson production cross sections in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2003 , 91, 241804	7.4	125
666	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	125
665	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s}=7\text{mbox{\scriptsize TeV}})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121

664	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
663	Next-to-leading order QCD analysis of the spin structure function g_1 . <i>Physical Review D</i> , 1998 , 58,	4.9	113
662	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow J/\psi \pi^0)/B(B_{c^+} \rightarrow J/\psi \pi^+ \pi^-)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
661	Measurement of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
660	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*+} \pi^-$ branching fraction using three-prong π decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
659	Measurement of the $B_{s^0} \rightarrow \pi^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^{*0} \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
658	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
657	Observation of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
656	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
655	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow J/\psi K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
654	First measurements of inclusive W and Z cross sections from run II of the fermilab tevatron collider. <i>Physical Review Letters</i> , 2005 , 94, 091803	7.4	97
653	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)^0 \rightarrow J/\psi$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
652	The spin-dependent structure function $g_1(x)$ of the deuteron from polarized deep-inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 396, 338-348	4.2	92
651	Evidence for Exotic Hadron Contributions to $\Lambda_b^0 \rightarrow J/\psi \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
650	Search for doubly charged Higgs bosons decaying to dileptons in pp collisions at square root of $s=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 221802	7.4	88
649	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
648	Measurement of α_s / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
647	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86

646	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
645	Model-Independent Evidence for J/ψ Contributions to $B^0 \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
644	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
643	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
642	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	1	83
641	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
640	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	1.4	79
639	Evidence for the decay . <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
638	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
637	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
636	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	1.4	78
635	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
634	Search for gluinos and scalar quarks in pp collisions at $\sqrt{s} = 1.8$ TeV using the missing energy plus multijets signature. <i>Physical Review Letters</i> , 2002 , 88, 041801	7.4	73
633	Observation of structure in the J/ψ pair mass spectrum. <i>Science Bulletin</i> , 2020 , 65, 1983-1993	10.6	71
632	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
631	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
630	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \pi^0$ and $B^0 \rightarrow K^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
629	Observation of CP violation in $B^0 \rightarrow D K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69

628	Study of D J meson decays to $D + \pi D 0$ and $D^* + \pi$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
627	Observation of excited $\Lambda(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
626	Measurement of CP violation and the B_s0 meson decay width difference with $B_s0 \rightarrow J/\psi + K_L$ and $B_s0 \rightarrow J/\psi + \pi$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
625	First observation of $B_s0 \rightarrow J/\psi(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
624	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
623	Search for Hidden-Sector Bosons in $B(0) \rightarrow K(0) \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
622	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
621	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
620	Search for Structure in the $B_{s^0} \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
619	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
618	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
617	Measurement of CP violation in the phase space of $B^0 \rightarrow K^+ K^- \pi$ and $B^0 \rightarrow \pi^+ \pi^- \pi$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
616	Observation of overlapping spin-1 and spin-3 $D0K^-$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
615	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
614	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
613	Search for $A^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
612	Measurement of the isospin asymmetry in $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
611	Analysis of the resonant components in $B_s^0 \rightarrow J/\psi \pi$ <i>Physical Review D</i> , 2012 , 86,	4.9	59

610	Production of J/ψ and $(\chi_{c0}, \chi_{c1}, \chi_{c2})$ mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	58
609	Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4-2	58
608	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
607	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b(0^-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7-4	57
606	Search for $B^0_s \rightarrow \mu^+ \mu^-$ and $B^0_d \rightarrow \mu^+ \mu^-$ decays in pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 032001	7-4	57
605	Amplitude analysis of $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4-9	56
604	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
603	Observation of the decay $B(c)^+ \rightarrow B(s)(0)^+$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7-4	55
602	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
601	Search for the $X(4140)$ state in $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4-9	55
600	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , 2004 , 93, 142001	7-4	55
599	Differential branching fraction and angular analysis of $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
598	Measurement of resonant and CP components in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4-9	54
597	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7-4	54
596	Precision measurement of CP violation in $B(S)(0) \rightarrow J/\psi K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7-4	53
595	Dalitz plot analysis of $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4-9	53
594	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
593	Measurement of the resonant and CP components in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	52

592	Measurement of the W boson mass with the Collider Detector at Fermilab. <i>Physical Review D</i> , 2001 , 64,	4.9	52
591	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
590	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
589	Observation of a New χ_{b1} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
588	First observation of the decay $B(c)^+ \rightarrow J/\psi \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
587	Measurement of the lifetime difference between Bs mass eigenstates. <i>Physical Review Letters</i> , 2005 , 94, 101803	7.4	50
586	Precision measurement of the B_s oscillation frequency with the decay $B_s \rightarrow D_s \pi$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
585	Analysis of the resonant components in $B \rightarrow J/\psi \pi$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
584	Search for long-lived scalar particles in $B \rightarrow K + \text{invisible}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
583	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
582	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow K^{*(892)^0} \pi^+ \pi^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
581	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
580	Measurements of CP violation in the three-body phase space of charmless B decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
579	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
578	Comparison of the isolated direct photon cross sections in pp collisions at $\sqrt{s}=1.8$ TeV and $\sqrt{s}=0.63$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	47
577	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
576	Observation of $B_c \rightarrow J/\psi D_s^+$ and $B_c \rightarrow J/\psi D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
575	Search for long-lived charged massive particles in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 90, 131801	7.4	46

574	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.	6.2	45
573	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
572	Observation of D0-D0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
571	Amplitude analysis of $B \rightarrow D^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
570	Tesla: An application for real-time data analysis in High Energy Physics. <i>Computer Physics Communications</i> , 2016 , 208, 35-42	4.2	44
569	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
568	Measurement of the forward-backward charge asymmetry of electron-positron pairs in $p\bar{p}$ collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	44
567	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
566	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
565	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
564	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
563	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
562	Measurement of the $B_s^0 B_{s0}^0$ 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
561	Measurement of the exclusive \bar{p} 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
560	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
559	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
558	Search for single-top-quark production in $p\bar{p}$ collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	42
557	Measurement of the [Formula: see text] production cross-section in proton-proton collisions via the decay [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41

556	Charged particle tracking with the Timepix ASIC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 661, 31-49	1.2	4 ¹
555	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	4 ¹
554	Measurements of the $B^0 \rightarrow J/\psi$ 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	4 ¹
553	Measurement of the cross-section ratio $\sigma_{\text{had}}/\sigma_{\text{had}}^{\text{had}}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	4 ¹
552	Search for the Decays $B_{(s)}^0 \rightarrow \bar{D}^{(*)+} D^{(*)-}$ and $B^{(0)} \rightarrow \bar{D}^{(*)+} D^{(*)-}$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	4 ⁰
551	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
550	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
549	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
548	The polarized double cell target of the SMC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 437, 23-67	1.2	39
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403	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
402	Search for pair production of scalar top quarks in R-parity violating decay modes in pp collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 92, 051803	7.4	18
401	Diffraction dijet production at $\sqrt{s} = 630$ and 1800 GeV at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2002 , 88, 151802	7.4	18
400	Observation of the decay $B_{\{s\}^0} \rightarrow \Xi_{\{s\}^0} \Xi_{\{s\}^0}$ and evidence for $B_{\{s\}^0} \rightarrow \Xi_{\{s\}^0} \Xi_{\{s\}^0}$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
399	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
398	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
397	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
396	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
395	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

394	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
393	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
392	Measurement of the fraction of $\psi(1S)$ originating from $B(1P)$ decays in pp collisions at ($\sqrt{s}=7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
391	Search for CP violation in $D^{+-} \rightarrow K\bar{K} + \pi\pi$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
390	Measurement of the $Bs^0 \rightarrow J/\psi \pi^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
389	Search for the supersymmetric partner of the top quark in dilepton events from pp collisions at square root of $s=1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 90, 251801	7.4	17
388	Search for gluinos and squarks using like-sign dileptons in pp macro collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 87, 251803	7.4	17
387	Observations of $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^- \pi^0$ decays and searches for other $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^- \pi^0$ decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
386	Study of B_c^+ decays to the $K^+ K^-$ final state and evidence for the decay $B_c^+ \rightarrow \pi^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
385	Angular moments of the decay $B^0 \rightarrow \pi^+ \pi^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
384	First Experimental Study of Photon Polarization in Radiative $B_{\{s\}}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
383	Search for CP violation in $D^0 \rightarrow \pi^0 \pi^0$ decays with the energy test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 158-167	4.2	16
382	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^0$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
381	Near-threshold ($\overline{D}^0 D^0$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
380	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
379	Measurement of the effective $Bs^0 \rightarrow K^+ K^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
378	Observation of $B(2S) \rightarrow \pi\pi$ and search for $X(3872) \rightarrow \pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
377	Measurements of prompt charm production cross-sections in pp collisions at $s = 5 \sqrt{s} = 5 \sqrt{s}$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	16

376	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	9.1	16
375	Amplitude analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
374	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
373	Observations of $\Lambda(1520)$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
372	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^0 K^+ \pi^-$ and $B^0 \rightarrow D^0 K^+ \pi^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
371	Observation of $B(s)(0) \rightarrow J/\psi(2)^{(1525)}$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
370	A line-shape analysis for spin-1 NMR signals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 398, 109-125	1.2	16
369	Charged-particle multiplicity pp collisions at square root of $(s) = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 87, 211804	7.4	16
368	Search for new physics in photon-lepton events in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2002 , 89, 041802	7.4	16
367	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
366	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
365	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^\pm \mu^\mp$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
364	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
363	Search for CP violation in the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
362	Measurement of the $B^0 \rightarrow D^0$ oscillation frequency Δm_d with the decays $B^0 \rightarrow D^0 \pi^0$ and $B^0 \rightarrow J/\psi \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
361	Observation of the $B^\pm \rightarrow J/\psi \pi^\pm$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
360	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	10.0	15
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358	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
357	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} K^{\pm}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
356	Measurement of the polarization amplitudes in $B^0 \rightarrow J/\psi(892)^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
355	Study of the $\psi(3823)$ and $\psi(3872)$ states in $B^+ \rightarrow (J/\psi)K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
354	Observation of $\Lambda_b^- \rightarrow \psi(2S)pK^0$ and $\Lambda_b^- \rightarrow J/\psi \Lambda K^0$ decays and a measurement of the Λ_b baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
353	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
352	Evidence for the decay $(B_s^0 \rightarrow \overline{K}^0 \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
351	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^{*2}(5747)^{0,+}$ states and observation of $B_{u,d}^0$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
350	Measurement of indirect CP asymmetries in $D^0 \rightarrow K_S^0 K^{\pm}$ and $D^0 \rightarrow \pi^0 \pi^{\pm}$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
349	Precision measurement of the Λ_b^+ , Λ_c^+ , and Λ_b^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
348	Search for CP violation in $D^+ \rightarrow \pi^+ \pi^0$ and $(D_s^{*+} \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
347	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 h^{\pm} h^{\prime \mp}$ decays with first observation of $B_s^0 \rightarrow K_{\text{charm}}^0 K^{\pm} \pi^{\mp}$ and $B_s^0 \rightarrow K_{\text{charm}}^0 \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
346	Observation of $B^0 \rightarrow \overline{B}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
345	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
344	Observation of D^0 Meson Decays to $\pi^+ \pi^- \pi^+ \pi^-$ and $K^+ K^- \pi^+ \pi^-$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
343	Evidence for the Strangeness-Changing Weak Decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^-$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
342	Evidence for CP violation in $B^+ \rightarrow \pi^+ \pi^0 K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
341	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

340	First measurement of the CP-violating phase in $B_s(0) \rightarrow ??$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	4.2	14
339	First observation of $B \rightarrow J/\psi K$ and search for $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
338	Search for rare $B(0)((s)) \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
337	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
336	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
335	Measurement of the average time-integrated mixing probability of b-flavored hadrons produced at the Fermilab Tevatron. <i>Physical Review D</i> , 2004 , 69,	4.9	14
334	Search for new physics in photon-lepton events in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2002 , 66,	4.9	14
333	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
332	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
331	Amplitude Analysis of $B^{\pm} \rightarrow \pi^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
330	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow J/\psi K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
329	Study of the rare B_s^0 and B^0 decays into the $\pi^0 \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13
328	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
327	Studies of the resonance structure in $D^0 \rightarrow KS^0 K^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
326	First evidence for the annihilation decay mode $\{B^+ \} \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	13
325	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
324	Observation of the decay $B_s^0 \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
323	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13

322	Resonances and CP violation in B^0 and $(\overline{B}^0 \rightarrow J/\psi K^+ K^-)$ decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
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320	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
319	Measurement of CP violation and constraints on the CKM angle $\sin \theta_B$ with $D \rightarrow K S^0 \pi \pi$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
318	Publisher's Note: Observation of $B_c^{++} \rightarrow J/\psi D_s^+$ and $B_c^{++} \rightarrow J/\psi D_s^{*+}$ decays [Phys. Rev. D 87, 112012 (2013)]. <i>Physical Review D</i> , 2014 , 89,	4.9	13
317	Measurement of CP violation in $B_s^0 \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
316	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \pi \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
315	Measurement of proton and nitrogen polarization in ammonia and a test of equal spin temperature. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 419, 60-82	1.2	13
314	Measurement of charged-particle multiplicities in gluon and quark jets in pp collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 171802	7.4	13
313	Search for the doubly charmed baryon (Ξ_{cc}^{++}) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
312	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
311	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
310	Search for the Lepton-Flavor-Violating Decays $B_{(s)}^0 \rightarrow \mu^+ \mu^- \pi^0$ and $B_{(s)}^0 \rightarrow \mu^+ \mu^- \pi^+$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
309	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
308	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
307	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
306	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
305	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

304	Observation of the decay $B^0 \rightarrow (2S)K + \pi$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4.2	12
303	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
302	A study of CP violation in $B_{\pi}^0 \rightarrow DK_{\pi}^0$ and $B_{\pi}^0 \rightarrow D_{\pi}^0$ decays with $D \rightarrow KS^0 K_{\pi}^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
301	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* 0)/B(B_s^0 \rightarrow ?)$ <i>Physical Review D</i> , 2012 , 85,	4.9	12
300	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
299	Measurement of V_0 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
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296	Searches for new physics in events with a photon and b-quark jet at CDF. <i>Physical Review D</i> , 2002 , 65,	4.9	12
295	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
294	Observation of the $B^0 \rightarrow \pi$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
293	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
292	Measurement of the Ξ_{cc}^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
291	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
290	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
289	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
288	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
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286	Measurement of the CP Violation Parameter A_{CP}^{eff} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
285	Measurement of the branching fraction ratio $B(B_c \rightarrow \chi(2S) \mu) / B(B_c \rightarrow J/\psi \mu)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
284	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> , 2015 , 2015, 1	5.4	11
283	Measurement of CP violation parameters in $B^0 \rightarrow DK^{*0}$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
282	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ (\pi^+ \pi^-) \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
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278	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
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276	Observation of New Resonances Decaying to $J/\psi K^+ K^-$ and $J/\psi \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
275	Study of charmonium production in γ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
274	Observation of New Ω_c^0 Baryons Decaying to $\Omega_c^0 K^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
273	Measurement of CP observables in $B^0 \rightarrow D^{(*)} K^0$ and $B^0 \rightarrow D^{(*)} \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
272	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
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268	Search for the rare decay ($K_{\mathrm{S}}^0 \rightarrow \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
267	Measurement of the effective . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
266	Measurement of B_{s}^0 and D_{s}^+ Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
265	Observation of the suppressed decay $B \rightarrow p \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
264	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
263	First Observation of a Baryonic B_{s}^0 Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
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260	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
259	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
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255	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
254	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
253	Search for B_{c}^+ decays to the $p \pi^0 \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
252	Prompt $\bar{b}c$ production in pPb collisions at ($\sqrt{s_{\mathrm{NN}}} = 5.02$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
251	Measurement of the mass and production rate of B_{c} baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9

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245	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow (\pi^+ \pi^-)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
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239	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s} = 13)$ (, text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
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237	Search for the rare decay $B^+ \rightarrow p \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
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235	Observation of $B_c^{+-} \rightarrow J/\psi K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
234	Measurements of charm mixing and CP violation using $D^0 \rightarrow K \pi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
233	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8

232	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
231	Study of B^0 mixing from measurement of $B(s) \rightarrow J/\psi$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
230	Determination of quantum numbers for several excited charmed mesons observed in $B \rightarrow D^{*+} \pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8
229	Measurement of branching fractions of charmless four-body $B \rightarrow b$ and $B \rightarrow b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
228	Evidence for the Rare Decay $B^0 \rightarrow \rho^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
227	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \psi(892) \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
226	Search for the decay $B^0 \rightarrow \psi(892) \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
225	Observation of $B^0 \rightarrow \psi(892) \pi^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
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223	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
222	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
221	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
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214	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
213	Measurement of forward W \rightarrow e $\bar{\nu}$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
212	Search for Lepton-Flavor Violating Decays $B^{+} \rightarrow K^{+} \mu^{\pm} e^{\mp}$. <i>Physical Review Letters</i> , 2019 , 123, 241802	5-4	8
211	Study of γ production in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}=8.16$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	8
210	Measurement of Angular and CP Asymmetries in $D^{+} \rightarrow \pi^{+} \pi^{-} \pi^{+} \pi^{-}$ and $D^{+} \rightarrow K^{+} K^{-} \pi^{+} \pi^{-}$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7-4	8
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205	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
204	Study of $D^{*} + sJ$ 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
203	Observation of the $B^0 \rightarrow J/\psi$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
202	Observation of the decay $B^0 \rightarrow \bar{D}^{*} pp$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4-2	7
201	First Observation of the Radiative Decay $\Xi^{+} \rightarrow \pi^{+} \gamma$ <i>Physical Review Letters</i> , 2019 , 123, 031801	7-4	7
200	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
199	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
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194	Search for the rare decays $B^0 \rightarrow J/\psi$ and $B_s^0 \rightarrow J/\psi$ <i>Physical Review D</i> , 2015 , 92,	4.9	7
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183	Search for CP violation using triple product asymmetries in $b \rightarrow p K^0 \pi^0$ and $b \rightarrow p K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
182	Amplitude Analysis of the Decay $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^{*0} \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
181	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow J/\psi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
180	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^{(*)} \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
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175	Measurement of CP observables in $B^0 \rightarrow DK^*0$ with $D \rightarrow K + K$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
174	Searches for $(B_{\{s\}}^0 \rightarrow \{J/\psi\} \overline{p})$ and $B^+ \rightarrow J/\psi (\overline{p}) \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
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170	Measurement of CP asymmetries and polarisation fractions in $(B_s^0 \rightarrow \overline{K}^0 \{K\}^{\ast 0})$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
169	Search for the $\overline{D}^0 b \rightarrow \pi^0$ and $\overline{D}^0 b \rightarrow \pi^+$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
168	Observation of $B_{\{s\}}^0 \rightarrow \{K\}^{\ast \pm} \{K\}^{\mp} \pi^0$ and evidence for $B_{\{s\}}^0 \rightarrow \{K\}^{\ast \pm} \pi^0$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
167	Search for the decay $B_s^0 \rightarrow D^* \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
166	Search for the decay $B_s \rightarrow \pi\pi$ in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	6
165	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
164	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^*0$ with $D \rightarrow K S^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
163	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
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161	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6

160	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
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157	Observation of charmless baryonic decays $B(s)^0 \rightarrow pp \pi^+ h^-$. <i>Physical Review D</i> , 2017 , 96,	4-9	5
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153	LHCb VELO Timepix3 telescope. <i>Journal of Instrumentation</i> , 2019 , 14, P05026-P05026	1	5
152	Observation of the $B^0 s \rightarrow J/\psi K^0 K_S^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
151	Observation of the decay $B^0 \rightarrow p K_S^0 \pi^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	5
150	Study of ($\overline{b}b$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
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144	Search for new heavy particles in the WZ0 final state in pp collisions at square root[s] = 1.8 TeV. <i>Physical Review Letters</i> , 2002 , 88, 071806	7-4	5
143	Study of $B^0 \rightarrow J/\psi K^0 \pi^+ \pi^-$ decays with the collider detector at Fermilab. <i>Physical Review Letters</i> , 2002 , 88, 071801	7-4	5

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141	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
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138	Observation of $B_s^0 \rightarrow D^0 \pi^0$ and search for $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
137	Observation of the decay $\Lambda_b \rightarrow \pi^0 p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
136	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
135	Measurement of forward $t\bar{t}$, $W+b\bar{b}$ and $W+c\bar{c}$ 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
134	Observation of B_c^0 and B_c^+ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
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132	Search for the Rare Decays $B_{\{s\}}^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow e^+ e^-$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
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130	Measurement of $\Xi_{cc}^{\prime\prime}$ production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
129	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
128	Measurement of CP asymmetry in $B^0 \rightarrow D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
127	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
126	Dalitz plot analysis of the $D^+ \rightarrow K^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
125	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

124	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
123	Evidence for the two-body charmless baryonic decay ($\Lambda_b^0 \rightarrow \Lambda \pi^0 \pi^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
122	First Observation of the Rare Purely Baryonic Decay $\Lambda_b^0 \rightarrow p \pi^- \pi^0$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
121	Measurement of CP observables in $B_s^0 \rightarrow DK^{*0}$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
120	Updated branching fraction measurements of $B(s) \rightarrow K S^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
119	Study of $B_s^0 \rightarrow DK^{*0}$ and $B_s^0 \rightarrow D^{*0} \pi^0$ decays and determination of the CKM angle ϕ_1 . <i>Physical Review D</i> , 2015 , 92,	4.9	4
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115	Search for CP violation and observation of P violation in $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
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111	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
110	Observation of a new B^0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
109	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0 K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
108	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
107	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

106	First branching fraction measurement of the suppressed decay $B^0 \rightarrow B^+ \pi^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
105	First observation of the rare $B^+ \rightarrow D^+ K^0 \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
104	Measurement of the $B_s^0 \rightarrow D_s^*(\gamma) D_s^*(\gamma) \pi^0$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
103	First observation of the decay $B^0 \rightarrow K^0 S^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
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97	Comparison of three-jet events in pp collisions at $\sqrt{s}=1.8$ TeV to predictions from a next-to-leading order QCD calculation. <i>Physical Review D</i> , 2005 , 71,	4.9	3
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95	Observation of a New Excited D_{s1}^+ Meson in $B^0 \rightarrow D^{*-} D_s^{*+} K^0$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
94	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^- \text{jet})$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
93	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
92	Search for long-lived particles decaying to $(e^+ \mu^-)$ $(\mu^+ \mu^-)$ $(\mu^+ \mu^-)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
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90	Search for the doubly heavy baryons Ξ_{cc} and Ξ_{bb} decaying to Λ_c^0 and Λ_b^0 *. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
89	Measurement of the relative $B \rightarrow D^0/D^{*0} \pi^0$ branching fractions using B mesons from $B \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2

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87	Search for CP Violation in $D_{s1}^+ \rightarrow K_{S1}^0 \mu^+$, $D^+ \rightarrow K_{S1}^0 K^+$, and $D^+ \rightarrow \pi^+ \mu^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
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85	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
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83	Measurement of CP observables in $B_{\mu}^0 \rightarrow DK_{\mu}^0$ and $B_{\mu}^0 \rightarrow D_{\mu}^0$ with $D \rightarrow (K_{\mu}^0 \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
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75	Measurement of prompt charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	2
74	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
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64	Measurement of CP violation in $B^0 \rightarrow D^? \pi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
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