Abraham Antonio Gallas Torreira

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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. *Journal of Instrumentation*, **2008**, 3, S08005-S08005	1	622
698	Measurement of the J/ meson and b-hadron production cross sections in pp collisions at s=1960 GeV. *Physical Review D*, **2005**, 71,	4.9	596
697	Observation of J/ Resonances Consistent with Pentaquark States in {b}^{0}->J/K^{-}p Decays. *Physical Review Letters*, **2015**, 115, 072001	7.4	580
696	Test of lepton universality using b+ -> K+ decays. *Physical Review Letters*, **2014**, 113, 151601	7.4	542
695	The ALICE experiment at the CERN LHC. *Journal of Instrumentation*, **2008**, 3, S08002-S08002	1	517
694	Observation of the narrow state X(3872)-->J/psipi+pi- in pp collisions at sqaure root of s=1.96 TeV. *Physical Review Letters*, **2004**, 93, 072001	7.4	469
693	LHCb detector performance. *International Journal of Modern Physics A*, **2015**, 30, 1530022	1.2	452
692	Observation of the rare B(s)(0) -> + decay from the combined analysis of CMS and LHCb data. *Nature*, **2015**, 522, 68-72	50.4	326
691	Measurement of the ratio of branching fractions B(B[over]^{0}->D^{*+}{-}[over]_{}/B(B[over]^{0}->D^{*+}{-}[over]_{}). *Physical Review Letters*, **2015**, 115, 111803	7.4	316
690	Measurement of form-factor-independent observables in the decay B0->K(*0)(+)(+). *Physical Review Letters*, **2013**, 111, 191801	7.4	314
689	Test of lepton universality with B 0 -> K *0 + decays. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	298
688	First evidence for the decay B(s)(0)-> *Physical Review Letters*, **2013**, 110, 021801	7.4	263
687	Observation of the Doubly Charmed Baryon {cc}^{++}. *Physical Review Letters*, **2017**, 119, 112001	7.4	257
686	Spin asymmetries A1 and structure functions g1 of the proton and the deuteron from polarized high energy muon scattering. *Physical Review D*, **1998**, 58,	4.9	237
685	Observation of the resonant character of the Z(4430)(-) state. *Physical Review Letters*, **2014**, 112, 222002	7.4	234
684	Determination of the X(3872) meson quantum numbers. *Physical Review Letters*, **2013**, 110, 222001	7.4	234
683	Angular analysis of the B 0 -> K *0 + decay using 3 fb of integrated luminosity. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	232

682	Measurement of the Bs(0)->μ μbranching fraction and search for B(0)->μ μdecays at the LHCb experiment. *Physical Review Letters*, **2013**, 111, 101805	7.4	221
681	Measurement of the ttbar production cross section in ppbar collisions at s=1.96 TeV using lepton + jets events with secondary vertex b -tagging. *Physical Review D*, **2005**, 71,	4.9	217
680	Measurement of J/psi production in pp collisions at (sqrt{s}=7) TeV. *European Physical Journal C*, **2011**, 71, 1	4.2	216
679	Spin structure of the proton from polarized inclusive deep-inelastic muon-proton scattering. *Physical Review D*, **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)^{+}. *Physical Review Letters*, **2019**, 122, 222001	7.4	199
677	Prompt charm production in pp collisions at . *Nuclear Physics B*, **2013**, 871, 1-20	2.8	163
676	Observation of Five New Narrow Ξ_{c}^{0} States Decaying to Ξ_{c}^{+}K^{-}. *Physical Review Letters*, **2017**, 118, 182001	7.4	154
675	Evidence for CP violation in time-integrated D0->h(-)h(+) decay rates. *Physical Review Letters*, **2012**, 108, 111602	7.4	150
674	Strong constraints on the rare decays B(s)(0) -> μ μand B0 -> μ μ *Physical Review Letters*, **2012**, 108, 231801	7.4	144
673	Differential branching fractions and isospin asymmetries of B -> K (*) μ+ μdecays. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	142
672	Polarised quark distributions in the nucleon from semi-inclusive spin asymmetries. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1998**, 420, 180-190	4.2	142
671	Angular analysis and differential branching fraction of the decay B 0 s -> ?μ+ μ *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	138
670	Search for Lepton-Universality Violation in B^{+}->K^{+}τ^{+}τ^{-} Decays. *Physical Review Letters*, **2019**, 122, 191801	7.4	137
669	Performance of the LHCb Vertex Locator. *Journal of Instrumentation*, **2014**, 9, P09007-P09007	1	129
668	Measurement of the Ratio of the B^{0}->D^{*-}τ^{+}ν_{τ} and B^{0}->D^{*-}μ^{+}ν_{μ} Branching Fractions Using Three-Prong τ-Lepton Decays. *Physical Review Letters*, **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. *Physical Review Letters*, **2003**, 91, 241804	7.4	125
666	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. *Physical Review D*, **2002**, 65,	4.9	125
665	Observation of X(3872) production in pp collisions at (sqrt{s}=7mbox{~TeV}). *European Physical Journal C*, **2012**, 72, 1	4.2	121

664	Implications of LHCb measurements and future prospects. *European Physical Journal C*, **2013**, 73, 1	4.2	116
663	Next-to-leading order QCD analysis of the spin structure function g1. *Physical Review D*, **1998**, 58,	4.9	113
662	Measurement of the Ratio of Branching Fractions B(B_{c}^{+}->J/ {+})/B(B_{c}^{+}->J/ {+}). *Physical Review Letters*, **2018**, 120, 121801	7.4	109
661	Measurement of . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2010**, 694, 209-216	4.2	107
660	Test of lepton flavor universality by the measurement of the B0->D* branching fraction using three-prong decays. *Physical Review D*, **2018**, 97,	4.9	106
659	Measurement of the B_{s}^{0}-> {+} {-} Branching Fraction and Effective Lifetime and Search for B^{0}-> {+} {-} Decays. *Physical Review Letters*, **2017**, 118, 191801	7.4	106
658	Measurement of b hadron production fractions in 7 TeV pp collisions. *Physical Review D*, **2012**, 85,	4.9	105
657	Observation of . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 707, 52-59	4.2	104
656	Differential branching fraction and angular analysis of the decay B 0 -> K *0 + *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	99
655	Observation of J/ Structures Consistent with Exotic States from Amplitude Analysis of B^{+}->J/ K^{+} Decays. *Physical Review Letters*, **2017**, 118, 022003	7.4	98
654	First measurements of inclusive W and Z cross sections from run II of the fermilab tevatron collider. *Physical Review Letters*, **2005**, 94, 091803	7.4	97
653	Measurement of the CP-violating phase ?(s) in the decay B(s)(0) -> J/ . *Physical Review Letters*, **2012** , 108, 101803	7.4	95
652	The spin-dependent structure function g1(x) of the deuteron from polarized deep-inelastic muon scattering. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1997**, 396, 338-348	4.2	92
651	Evidence for Exotic Hadron Contributions to {b}^{0}->J/p {-} Decays. *Physical Review Letters*, **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. *Physical Review Letters*, **2004**, 93, 221802	7.4	88
649	Spin asymmetries for events with high pT hadrons in DIS and an evaluation of the gluon polarization. *Physical Review D*, **2004**, 70,	4.9	88
648	Measurement of / polarization in collisions at [Formula: see text]. *European Physical Journal C*, **2013** , 73, 2631	4.2	87
647	Differential branching fraction and angular analysis of the decay (B_s^0) -> ? + *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	86

646	Observation of double charm production involving open charm in pp collisions at (sqrt {s} = {7};{text{TeV}}). *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	86
645	Model-Independent Evidence for J/ψ Contributions to Λ{b}^{0}->J/ψK^{-} Decays. *Physical Review Letters*, **2016**, 117, 082002	7.4	85
644	ExclusiveJ/ψand ψ(2S) production inppcollisions at $protect sqrt{s} = 7$ TeV. *Journal of Physics G: Nuclear and Particle Physics*, **2013**, 40, 045001	2.9	85
643	Measurement of production in collisions at [Formula: see text]. *European Physical Journal C*, **2012**, 72, 2025	4.2	83
642	Measurement of the track reconstruction efficiency at LHCb. *Journal of Instrumentation*, **2015**, 10, P02007-P02007	1	83
641	Updated measurements of exclusiveJ/ψand ψ(2S) production cross-sections inppcollisions at $sqrt{s}=7$ TeV. *Journal of Physics G: Nuclear and Particle Physics*, **2014**, 41, 055002	2.9	83
640	Determination of the quark coupling strength |Vub| using baryonic decays. *Nature Physics*, **2015**, 11, 743-747	16.2	79
639	Evidence for the decay . *Nuclear Physics B*, **2014**, 886, 665-680	2.8	79
638	Precision luminosity measurements at LHCb. *Journal of Instrumentation*, **2014**, 9, P12005-P12005	1	79
637	Measurement of the fragmentation fraction ratio f s /f d and its dependence on B meson kinematics. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	78
636	First observation of CP violation in the decays of B(s)0 mesons. *Physical Review Letters*, **2013**, 110, 221601	7.4	78
635	Search for Dark Photons Produced in 13 TeV pp Collisions. *Physical Review Letters*, **2018**, 120, 061801	7.4	75
634	Search for gluinos and scalar quarks in pp collisions at square root[s] = 1.8 TeV using the missing energy plus multijets signature. *Physical Review Letters*, **2002**, 88, 041801	7.4	73
633	Observation of structure in the J/ψpair mass spectrum. *Science Bulletin*, **2020**, 65, 1983-1993	10.6	71
632	Search for Majorana neutrinos in B- -> π μμdecays. *Physical Review Letters*, **2014**, 112, 131802	7.4	70
631	Dalitz plot analysis of Bs0->D̄0Kπ decays. *Physical Review D*, **2014**, 90,	4.9	70
630	Measurement of CP violation in the phase space of B±->Kπ π ±and B±->Kπ K+ K- decays. *Physical Review Letters*, **2013**, 111, 101801	7.4	70
629	Observation of CP violation in B±->DKπ decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 712, 203-212	4.2	69

628	Study of D J meson decays to D +□D 0□ and D *+□final states in pp collisions. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	69
627	Observation of excited □b)(0) baryons. *Physical Review Letters*, **2012**, 109, 172003	7.4	68
626	Measurement of CP violation and the Bs0 meson decay width difference with Bs0->J/□+K□and Bs0->J/□□decays. *Physical Review D*, **2013**, 87,	4.9	66
625	First observation of Bs0->J/□0(980) decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 698, 115-122	4.2	66
624	Measurements of prompt charm production cross-sections in pp collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	65
623	Search for Hidden-Sector Bosons in B(0)->K(*0)□(+)□(-) Decays. *Physical Review Letters*, **2015**, 115, 161802	7.4	65
622	The spin-dependent structure function g1(x) of the proton from polarized deep-inelastic muon scattering. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **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. *Chinese Physics C*, **2016**, 40, 011001	2.2	65
620	Search for Structure in the B_{s}^{0}□{□} Invariant Mass Spectrum. *Physical Review Letters*, **2016**, 117, 152003	7.4	64
619	Differential branching fraction and angular analysis of the B + -> K + □+ □□decay. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	63
618	Measurement of (2) meson production in collisions at [Formula: see text]. *European Physical Journal C*, **2012**, 72, 2100	4.2	63
617	Measurement of CP violation in the phase space of B□ -> K+ K-□ and B□ -> □ □□ decays. *Physical Review Letters*, **2014**, 112, 011801	7.4	61
616	Observation of overlapping spin-1 and spin-3 D0K- resonances at mass 2.86 GeV/c2. *Physical Review Letters*, **2014**, 113, 162001	7.4	61
615	Study of J/□production and cold nuclear matter effects in pPb collisions at (sqrt{{{s_{NN }}}}) = 5 TeV. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	60
614	Inclusive W and Z production in the forward region at (sqrt {s} = 7,{text{TeV}}). *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	60
613	Search for A^{'}->□{+}□{-} Decays. *Physical Review Letters*, **2020**, 124, 041801	7.4	60
612	Measurement of the isospin asymmetry in B -> K(*)□□decays. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	59
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609	Search for the rare decays Bs0->□□and B0->□□*Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 699, 330-340	4.2	58
608	Spin asymmetries A1 of the proton and the deuteron in the low x and low Q2 region from polarized high energy muon scattering. *Physical Review D*, **1999**, 60,	4.9	58
607	Measurement of the □(b)(0), □(b)(-), and □(b((-) Baryon masses. *Physical Review Letters*, **2013**, 110, 182001	7.4	57
606	Search for B0s-->micro+micro- and B0d-->micro+micro- decays in pp collisions at square root s = 1.96 TeV. *Physical Review Letters*, **2004**, 93, 032001	7.4	57
605	Amplitude analysis of B+->J/□K+ decays. *Physical Review D*, **2017**, 95,	4.9	56
604	Measurement of b-hadron masses. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 708, 241-248	4.2	55
603	Observation of the decay B(c)(+) -> B(s)(0)□. *Physical Review Letters*, **2013**, 111, 181801	7.4	55
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601	Search for the X(4140) state in B+->J/□K+ decays. *Physical Review D*, **2012**, 85,	4.9	55
600	Measurement of the tt production cross section in pp collisions at sqrt[s]=1.96 TeV using dilepton events. *Physical Review Letters*, **2004**, 93, 142001	7.4	55
599	Differential branching fraction and angular analysis of □ b -> □□decays. *Journal of High Energy Physics*, **2015**, 2015,	5.4	54
598	Measurement of resonant and CP components in B□s0->J/□□decays. *Physical Review D*, **2014**, 89,	4.9	54
597	First Observation of the Doubly Charmed Baryon Decay □{cc}^{++}->□{c}^{+}□{+}. *Physical Review Letters*, **2018**, 121, 162002	7.4	54
596	Precision measurement of CP violation in B(S)(0)->J/□K+K- decays. *Physical Review Letters*, **2015**, 114, 041801	7.4	53
595	Dalitz plot analysis of B0->D□0□□decays. *Physical Review D*, **2015**, 92,	4.9	53
594	Measurements of B(c)+ production and mass with the B(c)+ -> J/□ decay. *Physical Review Letters*, **2012**, 109, 232001	7.4	53
593	Measurement of the resonant and CP components in B□0->J/□□decays. *Physical Review D*, **2014**, 90,	4.9	52

592	Measurement of the W boson mass with the Collider Detector at Fermilab. *Physical Review D*, **2001**, 64,	4.9	52
591	Observation of CP Violation in Charm Decays. *Physical Review Letters*, **2019**, 122, 211803	7.4	51
590	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. *Journal of High Energy Physics*, **2012**, 2012,	5.4	51
589	Observation of a New □{b}^{-} Resonance. *Physical Review Letters*, **2018**, 121, 072002	7.4	50
588	First observation of the decay B(c)+ -> J/□+) □□. *Physical Review Letters*, **2012**, 108, 251802	7.4	50
587	Measurement of the lifetime difference between Bs mass eigenstates. *Physical Review Letters*, **2005**, 94, 101803	7.4	50
586	Precision measurement of the B0s□overline{rm B}{}^0_{rm s}$ oscillation frequency with the decay B0s-> D□□. *New Journal of Physics*, **2013**, 15, 053021	2.9	49
585	Analysis of the resonant components in B□0->J/□□*Physical Review D*, **2013**, 87,	4.9	49
584	Search for long-lived scalar particles in B+->K+(□□)□decays. *Physical Review D*, **2017**, 95,	4.9	48
583	Precision measurement of D meson mass differences. *Journal of High Energy Physics*, **2013**, 2013,	5.4	48
582	Measurements of the S-wave fraction in B 0 -> K + □□+ □□decays and the B 0 -> K *(892)0 □+ □□ differential branching fraction. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	48
581	Measurement of forward J/□production cross-sections in pp collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	47
580	Measurements of CP violation in the three-body phase space of charmless B□ decays. *Physical Review D*, **2014**, 90,	4.9	47
579	Searches for Majorana neutrinos in B□decays. *Physical Review D*, **2012**, 85,	4.9	47
578	Comparison of the isolated direct photon cross sections in pp□collisions at s=1.8 TeV and s=0.63 TeV. *Physical Review D*, **2002**, 65,	4.9	47
577	Measurement of CP-Averaged Observables in the B^{0}->K^{*0}□{+}□{-} Decay. *Physical Review Letters*, **2020**, 125, 011802	7.4	46
576	Observation of Bc+->J/□s+ and Bc+->J/□s*+ decays. *Physical Review D*, **2013**, 87,	4.9	46
575	Search for long-lived charged massive particles in pp collisions at square root s = 1.8 TeV. *Physical Review Letters*, **2003**, 90, 131801	7.4	46

574	Measurement of matter□antimatter differences in beauty baryon decays. *Nature Physics*, **2017**, 13, 391-396	16.2	45
573	Measurement of B meson production cross-sections in proton-proton collisions at (sqrt{s}=7) TeV. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	45
572	Observation of D0-D0 oscillations. *Physical Review Letters*, **2013**, 110, 101802	7.4	45
571	Amplitude analysis of B□>D+□decays. *Physical Review D*, **2016**, 94,	4.9	45
570	Tesla: An application for real-time data analysis in High Energy Physics. *Computer Physics Communications*, **2016**, 208, 35-42	4.2	44
569	Measurement of the Lifetime of the Doubly Charmed Baryon □{cc}^{++}. *Physical Review Letters*, **2018**, 121, 052002	7.4	44
568	Measurement of the forward-backward charge asymmetry of electron-positron pairs in p□p collisions at s=1.96 TeV. *Physical Review D*, **2005**, 71,	4.9	44
567	Precision measurement of the ratio of the . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2014**, 734, 122-130	4.2	43
566	Measurement of the cross-section for Z -> e+e- production in pp collisions at (sqrt{s}=7) TeV. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	43
565	First evidence of direct CP violation in charmless two-body decays of Bs0 mesons. *Physical Review Letters*, **2012**, 108, 201601	7.4	43
564	Observation of a resonance in B+ -> K+ □ □decays at low recoil. *Physical Review Letters*, **2013**, 111, 112003	7.4	43
563	Measurement of CP asymmetry in D 0 -> K □K + and D 0 -> □□+ decays. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	42
562	Measurement of the Bs0□Bs0 oscillation frequency □ms in Bs0->Ds(□3)□decays. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 709, 177-184	4.2	42
561	Measurement of the exclusive □production cross-section in pp collisions at (sqrt{s}=7) TeV and 8 TeV. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	42
560	Measurement of the ratio of prompt . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 718, 431-440	4.2	42
559	First observation of the decay Bs2*(5840)(0)->B*+ K- and studies of excited Bs(0) mesons. *Physical Review Letters*, **2013**, 110, 151803	7.4	42
558	Search for single-top-quark production in pp□collisions at s=1.8 TeV. *Physical Review D*, **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]. *European Physical Journal C*, **2015**, 75, 311	4.2	41

556	Charged particle tracking with the Timepix ASIC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2012**, 661, 31-49	1.2	41
555	Search for the doubly charmed baryon (Xi_{cc}^{+}). *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	41
554	Measurements of the B0->J/ψ decay amplitudes and the B0 polarisation in pp collisions at s=7 TeV. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2013**, 724, 27-35	4.2	41
553	Measurement of the cross-section ratio . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 714, 215-223	4.2	41
552	Search for the Decays B_{s}^{0}->μ{+}μ{-} and B^{0}->μ{+}μ{-}. *Physical Review Letters*, **2017**, 118, 251802	7.4	40
551	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. *Physical Review Letters*, **2019**, 122, 231802	7.4	39
550	Opposite-side flavour tagging of mesons at the LHCb experiment. *European Physical Journal C*, **2012**, 72, 2022	4.2	39
549	Differential branching fraction and angular analysis of the decay B0 -> K*0 μ+ μ- *Physical Review Letters*, **2012**, 108, 181806	7.4	39
548	The polarized double cell target of the SMC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1999**, 437, 23-67	1.2	39
547	Search for quark-lepton compositeness and a heavy W' Boson using the enu channel in p p macro collisions at square root of [s] = 1.8 TeV. *Physical Review Letters*, **2001**, 87, 231803	7.4	37
546	Limits on extra dimensions and new particle production in the exclusive photon and missing energy signature in pp collisions at square root [s]=1.8 TeV. *Physical Review Letters*, **2002**, 89, 281801	7.4	37
545	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. *Physical Review Letters*, **2017**, 118, 052002	7.4	36
544	First observation of the decay (B_c^{+}to {J left/ {{psi {K^{+}}}} right.}). *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	36
543	Momentum distribution of charged particles in jets in dijet events in pp collisions at s=1.8TeV and comparisons to perturbative QCD predictions. *Physical Review D*, **2003**, 68,	4.9	36
542	Measurement of partial widths and search for direct CP violation in D0 meson decays to K-K+ and pi-pi+. *Physical Review Letters*, **2005**, 94, 122001	7.4	36
541	Search for massive long-lived particles decaying semileptonically in the LHCb detector. *European Physical Journal C*, **2017**, 77, 224	4.2	35
540	Measurement of Bc+ Production in Proton-Proton Collisions at [s]=8 TeV. *Physical Review Letters*, **2015**, 114, 132001	7.4	35
539	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. *European Physical Journal C*, **2014**, 74, 2872	4.2	35

538	Observation of two new (b)(-) baryon resonances. *Physical Review Letters*, **2015**, 114, 062004	7.4	35
537	First observation of the decay B + -> + + *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	35
536	Search for lepton number violating decays B+ -> and B+ -> K- . *Physical Review Letters*, **2012**, 108, 101601	7.4	35
535	Measurement of the strong coupling constant from inclusive jet production at the Tevatron pp collider. *Physical Review Letters*, **2002**, 88, 042001	7.4	35
534	Amplitude analysis of the B+->D+DK+ decay. *Physical Review D*, **2020**, 102,	4.9	34
533	Measurement of forward W and Z boson production in pp collisions at s = 8 $$ sqrt{s}=8 $$ TeV. *Journal of High Energy Physics*, **2016**, 2016,	5.4	34
532	Measurement of the CP violating phase . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 707, 497-505	4.2	34
531	Quantum numbers of the X(3872) state and orbital angular momentum in its J/ decay. *Physical Review D*, **2015**, 92,	4.9	34
530	Measurement of D0-D0 mixing parameters and search for CP violation using D0 -> K+ decays. *Physical Review Letters*, **2013**, 111, 251801	7.4	34
529	Absolute luminosity measurements with the LHCb detector at the LHC. *Journal of Instrumentation*, **2012**, 7, P01010-P01010	1	34
528	Double diffraction dissociation at the Fermilab Tevatron collider. *Physical Review Letters*, **2001**, 87, 141802	7.4	34
527	Study of the D 0 p amplitude in 0 b -> D 0 p decays. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	33
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