

Abraham Antonio Gallas Torreira

List of Publications by Year in Descending Order

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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	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
698	Measurement of the $B_s^0 \rightarrow \mu^+ \mu^-$ decay properties and search for the $B^0 \rightarrow \mu^+ \mu^-$ and $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2022 , 105,	4.9	1
697	Study of $\mathcal{B}(\mathcal{B}_{(c)}^0 \rightarrow \text{charmonia})$ decays to charmonia and three light hadrons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
696	Search for the radiative $\mathcal{B}(\mathcal{B}_{(c)}^0 \rightarrow \gamma \mu^+ \mu^-)$ decay. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
695	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
694	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
693	Measurement of $\mathcal{B}(\mathcal{B}^0 \rightarrow \mu^+ \mu^-)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
692	Evidence for a New Structure in the J/ψ and $J/\psi[\text{over } \chi]$ Systems in $B_{(s)}^0 \rightarrow J/\psi p[\text{over } \chi]$ Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
691	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	0
690	The HEV Ventilator: at the interface between particle physics and biomedical engineering.. <i>Royal Society Open Science</i> , 2022 , 9, 211519	3.3	0
689	Observation of $\mathcal{B}(\Lambda_b^0 \rightarrow D^+ p)$ and $\mathcal{B}(\Lambda_b^0 \rightarrow D^{*+} p)$ decays. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
688	Searches for rare $\mathcal{B}(\mathcal{B}_{(s)}^0 \rightarrow \mu^+ \mu^-)$ and B^0 decays into four muons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
687	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in p-Pb and pp Collisions at $\sqrt{s_{NN}} = 5$ TeV.. <i>Physical Review Letters</i> , 2022 , 128, 142004	7.4	0
686	A dead-time-free data acquisition system for prompt gamma-ray measurements during proton therapy treatments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022 , 166701	1.2	0
685	Angular analysis of the rare decay $(\mathcal{B}_{(s)}^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
684	First measurement of the (CP)-violating phase in $(\mathcal{B}_{(s)}^0 \rightarrow J/\psi \mu^+ \mu^-)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
683	Measurement of J/ψ production cross-sections in pp collisions at $(\sqrt{s}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1

682	Measurement of the lifetimes of promptly produced B^0 and B^0 baryons. <i>Science Bulletin</i> , 2021 ,	10.6	1
681	Branching Fraction Measurements of the Rare $B_{s^0} \rightarrow \tau^+ \bar{\nu}_\tau$ and $B_{s^0} \rightarrow f_2^{\prime}(1525) \tau^+ \bar{\nu}_\tau$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
680	Observation of a $(\Lambda_b^0) \bar{(\Lambda_b^0)}$ production asymmetry in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
679	Observation of a New Excited D_{s^+} Meson in $B^0 \rightarrow D^{*-} D_s^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
678	Observation of Multiplicity Dependent Prompt $\chi(3872)$ and $\chi(2S)$ Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
677	Measurement of the CKM angle $\Delta\phi$ and $(B_{s^0} \rightarrow \bar{B}_{s^0})$ mixing frequency with $(B_{s^0} \rightarrow D_{s^{\mp}} h^{\pm} \pi^{\pm} \pi^{\mp})$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
676	Observation of the $(B_{s^0}) \rightarrow D^{*0} \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
675	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
674	Measurement of CP Violation in the Decay $B^+ \rightarrow K^+ \pi^0$. <i>Physical Review Letters</i> , 2021 , 126, 091802	7.4	1
673	Observation of CP violation in two-body $(B_{(s)}^0)$ -meson decays to charged pions and kaons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
672	Measurement of CP observables in $B_{\pi} \rightarrow D^{(*)} K_{\pi}$ and $B_{\pi} \rightarrow D^{(*)} \pi$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
671	Search for the rare decay $B^0 \rightarrow J/\psi^* \pi^0$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
670	Measurement of the branching fraction of the $(B^0 \rightarrow D^+_{s1} \pi^-)$ decay. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
669	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
668	Observation of the $B^0 \rightarrow \pi^+ K^- K_S^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 815, 136172	4.2	0
667	Observation of the decay $(\Lambda_b^0 \rightarrow \bar{B}^0 p)$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
666	Searches for 25 rare and forbidden decays of D^+ and (D_{s^+}) mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
665	Angular analysis of $(B^0 \rightarrow D^{*-} D_s^{*+})$ with $(D_s^{*+} \rightarrow D_s^{*+} \gamma)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	

664	Search for CP violation in $(D_{s1}^+ \rightarrow h^+ \pi^0)$ and $(D_{s1}^+ \rightarrow h^+ \eta)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
663	Evidence of a J/ψ structure and observation of excited ψ states in the $B \rightarrow J/\psi$ decay. <i>Science Bulletin</i> , 2021 , 66, 1278-1287	10.6	19
662	Observation of a new B_0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
661	Study of $(B_{\text{tag}}^{0\pm} \rightarrow J/\psi + K^{\pm})$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
660	First Observation of the Decay $B_{\text{tag}}^0 \rightarrow K^+ \pi^- \pi^0$ and a Measurement of $ V_{ub} / V_{cb} $. <i>Physical Review Letters</i> , 2021 , 126, 081804	7.4	7
659	Measurement of differential (\overline{b}) - and (\overline{c}) -dijet cross-sections in the forward region of pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
658	Measurement of the CKM angle ϕ_1 in $B \rightarrow DK$ and $B \rightarrow D\pi$ decays with $D \rightarrow (K_{\text{tag}}^0 \pi^0) h$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
657	Search for long-lived particles decaying to $(e^+ \mu^-) (\mu^+ \mu^-) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
656	Observation of new excited B^0_{tag} states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
655	Precise measurement of the f_s/f_d ratio of fragmentation fractions and of B_s^0 decay branching fractions. <i>Physical Review D</i> , 2021 , 104,	4.9	6
654	Observation of New Resonances Decaying to J/ψ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
653	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
652	Search for CP violation in $B \rightarrow p K^0$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
651	Search for the doubly heavy baryons Ξ_{cc} and Ξ_{bb} decaying to $\Lambda_c^+ \Lambda_c^0$ and $\Lambda_c^+ \Lambda_c^+$. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
650	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2021 , 127, 111801	7.4	0
649	Readout firmware of the Vertex Locator for LHCb Run 3 and beyond. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 1-1	1.7	
648	Simultaneous determination of CKM angle ϕ_1 and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
647	Search for the doubly charmed baryon Ξ_{cc}^{++} in the $\Xi_{cc}^{++} \pi^- \pi^0$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0

646	Updated search for B_c^+ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
645	Study of the lineshape of the $\Xi(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18
644	Amplitude analysis of the $B \rightarrow D K^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
643	Constraints on the $K_S^0 \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
642	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^- K^+$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
641	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
640	Measurement of the branching fraction of the decay $B_s^0 \rightarrow K_S^0 K_S^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
639	First observation of the decay $B^0 \rightarrow D^0 \pi^+ K^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
638	First branching fraction measurement of the suppressed decay $\Xi^0 \rightarrow \Xi^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
637	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
636	Observation of New Ξ_c^0 Baryons Decaying to $\Xi^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
635	First Observation of Excited Ξ_b^0 States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
634	Phase I Upgrade of the Readout System of the Vertex Detector at the LHCb Experiment. <i>IEEE Transactions on Nuclear Science</i> , 2020 , 67, 732-739	1.7	4
633	Measurement of the $(\Lambda_b^0 \rightarrow J/\psi)$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
632	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
631	Measurement of CP observables in $B \rightarrow DK$ and $B \rightarrow D \pi$ with $D \rightarrow (K_S^0 K^\pm \pi^\mp)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
630	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
629	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4

628	Determination of quantum numbers for several excited charmed mesons observed in $B\bar{B} \rightarrow D^{*+} \pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8
627	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
626	Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
625	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
624	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^{(*)} \pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
623	Measurement of the relative branching fractions of $B^+ \rightarrow h^+ h^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
622	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
621	Search for CP violation in $(\chi_c^+ \rightarrow p \bar{K}^+ \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
620	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_\mu$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
619	Measurement of CP violation in $B^0 \rightarrow D^{*+} D^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
618	Measurement of the shape of the $(B_s^0 \rightarrow D_s^{*+} \mu^+ \nu_\mu)$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
617	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using $(B_s^0 \rightarrow \mu^+ \mu^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
616	Observation of a new baryon state in the $(\Lambda_b^0 \rightarrow \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
615	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
614	Search for the doubly heavy (χ_{bc}^0) baryon via decays to $D^0 p K$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
613	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^{*0} e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
612	The upgrade I of LHCb VELO towards an intelligent monitoring platform. <i>Journal of Instrumentation</i> , 2020 , 15, C06009-C06009	1	2
611	Search for the doubly charmed baryon (χ_{cc}^+) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13

610	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 212001	7.4	1
609	Observation of structure in the J/ψ pair mass spectrum. <i>Science Bulletin</i> , 2020 , 65, 1983-1993	10.6	71
608	Precision measurement of the $(\{B_c^+\})$ meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
607	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
606	Isospin Amplitudes in $\bar{B}^0 \rightarrow J/\psi \pi^0$ and $\bar{B}^0 \rightarrow J/\psi \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
605	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
604	Study of the $\bar{B}(3823)$ and $\bar{B}(3872)$ states in $B^+ \rightarrow (J/\psi) K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
603	Search for CP violation and observation of P violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
602	Search for $A^{\prime} \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
601	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
600	Measurement of the relative $B \rightarrow D^0/D^{*0}/D^{*0} \pi$ branching fractions using B mesons from $B \rightarrow 2^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
599	Measurement of CP observables in the process $B^0 \rightarrow DK^{*0}$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
598	Search for the rare decay $(\{B^+\}) \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
597	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow J/\psi$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134789	4.2	2
596	Observation of the $(\{\Lambda_b^0 \rightarrow \psi(3872) p\})$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
595	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
594	Search for CP Violation in $D_{s1}^+ \rightarrow K_S^0 \pi^+$, $D^+ \rightarrow K_S^0 K^+$, and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
593	Observation of $B_{(s)}^0 \rightarrow J/\psi p$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4

592	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
591	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
590	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
589	Observation of an Excited B_{c}^{+} State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
588	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \mu^{+} \mu^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
587	Observation of the doubly Cabibbo-suppressed decay $\bar{D} \rightarrow c \rightarrow p \pi$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
586	Model-Independent Observation of Exotic Contributions to $B^{0} \rightarrow J/\psi \mu^{+} \mu^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
585	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^{+} K^{-} \pi^{0}$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
584	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
583	Measurement of the mass and production rate of \bar{B} baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
582	Measurement of the branching fractions of the decays $D^{+} \rightarrow K \bar{K}^{*} K^{+}$, $D^{+} \rightarrow \bar{K}^{*} K^{+}$ and $D^{+} \rightarrow \bar{K}^{*} K^{+}$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
581	Study of the $B^0 \rightarrow \psi(770) \bar{K}^{*}(892) 0$ decay with an amplitude analysis of $B^0 \rightarrow (\psi \bar{K}^{*}) K^{+} \pi^{-}$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
580	Measurement of the ratio of branching fractions of the decays $\bar{D}^0 b \rightarrow \psi(2S) \bar{D}$ and $\bar{D}^0 b \rightarrow J/\psi \bar{D}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
579	Dalitz plot analysis of the $D^{+} \rightarrow K \bar{K}^{*} K^{+}$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
578	Precision measurement of the $\bar{\Lambda}^0$, $\bar{\Lambda}^+$, and $\bar{\Lambda}^0$ baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
577	Amplitude analysis of $B^0 \rightarrow K^0 S K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
576	First Observation of the Radiative Decay $\bar{\Lambda}_{b}^{0} \rightarrow \pi^0 \Lambda$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
575	Measurement of the branching fraction and (C)P asymmetry in $\{B^{\pm}\} \rightarrow \{J/\psi\} \{\rho^{\pm}\}$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1

574	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
573	Near-threshold ($\overline{\mathrm{D}}\mathrm{D}$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
572	Amplitude analysis of the ($\mathrm{B}_s^0 \rightarrow \mathrm{K}^0 \overline{\mathrm{K}}^0$) decays and measurement of the branching fraction of the ($\mathrm{B}^0 \rightarrow \mathrm{K}^0 \overline{\mathrm{K}}^0$) decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
571	Observation of New Resonances in the $\Lambda_b^0 \Lambda^+ \Lambda^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
570	LHCb VELO Timepix3 telescope. <i>Journal of Instrumentation</i> , 2019 , 14, P05026-P05026	1	5
569	Updated measurement of time-dependent (CP)-violating observables in ($\mathrm{B}^0_s \rightarrow \mathrm{J}/\psi \mathrm{K}^+ \mathrm{K}^-$) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
568	Measurements of CP asymmetries in charmless four-body (Λ_b^0) and (Ξ_b^0) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
567	Prompt Λ_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
566	A search for ($\Xi_{\mathrm{cc}}^{++} \rightarrow \mathrm{D}^+ \mathrm{p} \pi^-$) decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
565	Measurement of CP violation in the ($\mathrm{B}_s^0 \rightarrow \phi \phi$) decay and search for the $\mathrm{B}^0 \rightarrow \pi \pi$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
564	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
563	Search for the Lepton-Flavor-Violating Decays $\mathrm{B}_s^0 \rightarrow \mu^+ \mu^- \gamma$ and $\mathrm{B}^0 \rightarrow \mu^+ \mu^- \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
562	Search for Lepton-Flavor Violating Decays $\mathrm{B}^+ \rightarrow \mathrm{K}^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
561	Measurement of CP-Violating and Mixing-Induced Observables in $\mathrm{B}_s^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
560	Amplitude Analysis of $\mathrm{B}^0 \rightarrow \pi^0 \mathrm{K}^+ \mathrm{K}^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
559	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
558	Observation of Two Resonances in the $\Lambda_b^0 \Lambda^0$ Systems and Precise Measurement of Λ_b^0 and Λ_b^{*0} Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
557	Search for excited $\mathrm{B} + \mathrm{c}$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13

556	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
555	First observation of forward $Z \rightarrow b\bar{b}$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1
554	Measurement of CP observables in $B_{\mu} \rightarrow D(?) K_{\mu}$ and $B_{\mu} \rightarrow D(?) \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
553	A measurement of the CP asymmetry difference between $\Lambda_c^+ \rightarrow p K_{\mu}^+$ and $p \pi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
552	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K_{\mu}^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
551	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e \mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
550	First measurement of the CP-violating phase ($\phi_s^{\overline{d}}$) in $B^0 \rightarrow (K^+ \pi^-) K_{\mu}^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
549	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*\mu} \pi$ branching fraction using three-prong π decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
548	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
547	Measurement of the Ratio of Branching Fractions $B(B_c^+ \rightarrow J/\psi \pi^+ \pi^0)/B(B_c^+ \rightarrow J/\psi \pi^+ \pi^0)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
546	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
545	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
544	Measurement of branching fractions of charmless four-body $\pi^0 b$ and $\pi^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
543	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
542	Observation of a New χ_{b1}^0 Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
541	Evidence for the Rare Decay $\pi^+ \rightarrow p \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
540	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	13
539	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4

538	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
537	Search for beautiful tetraquarks in the $\gamma(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
536	Search for CP violation in $B^0 \rightarrow pK$ and $B^0 \rightarrow p\bar{K}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
535	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
534	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
533	Observation of the decay $B_s^0 \rightarrow D^0 K + K^0$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
532	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
531	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{\mathrm{NN}}}$ =110 GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
530	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
529	Measurement of γ production in pp collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
528	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
527	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2}^0 K^+ K^-$) in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
526	Search for a dimuon resonance in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
525	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
524	Angular moments of the decay $B^0 \rightarrow \pi^0 \pi^0$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
523	Measurement of $Z \rightarrow \tau^+ \tau^-$ production in proton-proton collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
522	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
521	Measurement of D^0 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

520	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
519	Measurement of the Λ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
518	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
517	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
516	Observation of the decay $\Lambda_b \rightarrow (\psi S) p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
515	Measurement of the CP asymmetry in $B \rightarrow D \pi$ and $B \rightarrow D D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
514	Search for CP violation using triple product asymmetries in $\Lambda_b \rightarrow p K_S^0 \pi^0$ and $\Lambda_b \rightarrow p K_S^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
513	Updated determination of $D^0 \bar{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
512	Search for the rare decay $\Lambda_b \rightarrow p \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
511	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
510	First observation of $B^+ \rightarrow D^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
509	Measurements of the branching fractions of $\Lambda_c^+ \rightarrow p \pi^0$, $\Lambda_c^+ \rightarrow p K_S^0$, and $\Lambda_c^+ \rightarrow p K^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
508	Measurement of CP violation in $B^0 \rightarrow D^0 \pi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
507	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
506	Search for the CP-violating strong decays $\Lambda(958) \rightarrow \pi \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
505	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow \pi^+ K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
504	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6.2	45
503	Amplitude analysis of $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56

502	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
501	Observation of the Annihilation Decay Mode $B^0\rightarrow K^+K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
500	First Experimental Study of Photon Polarization in Radiative $B_{\{s\}}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
499	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
498	Observation of the decay $B_s^0\rightarrow\pi^+\pi^-$ and evidence for $B^0\rightarrow\pi^+\pi^-$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
497	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
496	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0\rightarrow\pi^+\pi^-$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
495	Study of the $D^0 p$ amplitude in $B^0\rightarrow D^0 p$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
494	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
493	Observation of $B^0\rightarrow\pi^+\pi^-$ and $B^0\rightarrow\pi^0\pi^0$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
492	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
491	Observation of the Decay $B^+\rightarrow pK^+K^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
490	Search for long-lived scalar particles in $B^+\rightarrow K^+\pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
489	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
488	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
487	Observation of charmless baryonic decays $B(s)^0\rightarrow pp\pi^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
486	Study of charmonium production in $\pi^+\pi^-$ hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
485	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7

484	Observation of $B_c^{+-} \rightarrow J/\psi D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
483	Measurements of charm mixing and CP violation using $D^0 \rightarrow K_S^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
482	Measurement of the B_{π}^0 production asymmetry and the CP asymmetry in $B_{\pi}^0 \rightarrow J/\psi K_S^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
481	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi \pi^+$ and $B^+ \rightarrow J/\psi K^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
480	Search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
479	Observation of the decay $B^0 \rightarrow \rho^0 K_S^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
478	Measurement of B_{π^0} and D_{π^0} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
477	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
476	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
475	Observation of $B_{\pi^0}^+ \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
474	Observation of Five New Narrow Ξ_{cc}^0 States Decaying to $\Xi_{cc}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
473	Measurement of CP asymmetries in $D_{\pi}^0 \rightarrow \pi^0$ and $D_s^0 \rightarrow \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
472	Observation of $\psi(2S) \rightarrow p\bar{p}$ and search for $X(3872) \rightarrow p\bar{p}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
471	Observation of the $B_{\pi}^0 \rightarrow J/\psi \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
470	Measurement of the $B_{\pi^0}^0 \rightarrow \pi^+ \pi^-$ 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
469	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
468	Observation of the Decays $\Xi_b^0 \rightarrow \Xi_{c1}^0 p K^-$ and $\Xi_b^0 \rightarrow \Xi_{c2}^0 p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
467	Observation of the $B^{+-} \rightarrow D^{*0} K^{\pm}$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2

466	Search for the Decays $B_{\{s\}}^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
465	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
464	Observation of the suppressed decay $B^0 \rightarrow \rho^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
463	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
462	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $\chi_{c1,2} \rightarrow J/\psi \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
461	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
460	Search for Baryon-Number Violating χ_b^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
459	Measurement of the J/ψ pair production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
458	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
457	Measurements of prompt charm production cross-sections in pp collisions at $s = 5 \sqrt{s}=5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	16
456	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
455	Evidence for the two-body charmless baryonic decay ($\Lambda_b^+ \rightarrow \overline{\Lambda} p$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
454	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
453	Resonances and CP violation in B^0 s and ($\overline{B}_s^0 \rightarrow J/\psi \{K^+ K^-\}$) decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
452	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
451	Measurement of CP observables in $B \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
450	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
449	Measurement of CP violation in $B^0 \rightarrow J/\psi S^0$ and $B^0 \rightarrow (\chi_{c2}) K S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2

448	First Observation of a Baryonic $B_{\{s\}^0}$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
447	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
446	Updated branching fraction measurements of $B(s)^0 \rightarrow K S^0 h+h^?$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
445	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
444	Observation of the decay $B s^0 \rightarrow \ell^+ ?$ and evidence for $B s^0 \rightarrow \ell^+ \ell^- \mu\mu$ <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
443	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
442	Measurement of the $B\Xi$ production cross-section in pp collisions at $s = 7 \text{ TeV}$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	8
441	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
440	Measurement of the CP Asymmetry in $B_{\{s\}^0}$ - $B_{\overline{\{s\}^0}}$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
439	Model-Independent Evidence for J/ψ Contributions to $\Xi(b)^0 \rightarrow J/\psi K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
438	Evidence for Exotic Hadron Contributions to $\Xi(b)^0 \rightarrow J/\psi \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
437	Tesla: An application for real-time data analysis in High Energy Physics. <i>Computer Physics Communications</i> , 2016 , 208, 35-42	4.2	44
436	Studies of the resonance structure in $D^0 \rightarrow K S^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
435	Measurement of the mass and lifetime of the Ξ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
434	First Observation of D^0 - $D_{\overline{0}}$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
433	First observation of the rare $B^+ \rightarrow D^+ K^+ \pi^-$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
432	Measurement of the $B s^0 \rightarrow D s^+ D s^+ \pi^-$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
431	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow D K^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6

430	Observation of $B_{\{s\}^0} \rightarrow D[\overline{K}^0] K_{\{S\}^0}$ and Evidence for $B_{\{s\}^0} \rightarrow D[\overline{K}^0] K_{\{S\}^0}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
429	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
428	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{\{s\}^0}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
427	Search for Structure in the $B_{\{s\}^0} \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
426	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
425	Study of $D^0(*) + sJ$ mesons decaying to $D^0 + K^0 S$ and $D^0 K^+ \pi^-$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
424	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	34
423	Study of $\Upsilon(2S)$ 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
422	Model-independent measurement of mixing parameters in $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
421	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
420	First observation of the decay $B^0 \rightarrow K^0 S^0 K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
419	Observation of the $B^0 \rightarrow J/\psi \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
418	First observation of the decay $D^0 \rightarrow K^+ \pi^- \pi^0$ in the π^0 region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 558-567	4.2	10
417	Angular analysis of the $B^0 \rightarrow K^0 \pi^+ \pi^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
416	Characterisation of Medipix3 silicon detectors in a charged-particle beam. <i>Journal of Instrumentation</i> , 2016 , 11, P01011-P01011	1	4
415	A precise measurement of the $[B_s]$ meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
414	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
413	Observations of $D^0 b \rightarrow \bar{K}^+ \pi^-$ and $D^0 b \rightarrow \bar{K}^+ K^0 \pi^-$ decays and searches for other $D^0 b$ and $D^0 \bar{b}$ decays to $\bar{B} + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17

412	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
411	Observation of $\Lambda_b^- \rightarrow (\pi^+ \pi^-) p K^-$ and $\Lambda_b^- \rightarrow J/\psi \pi^+ K^-$ decays and a measurement of the Λ_b^- baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
410	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
409	Production of associated Y and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
408	Measurement of the CKM angle γ using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 S^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
407	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
406	Measurement of the ratio of branching fractions ($\frac{\text{Br}(\Lambda_b^- \rightarrow \pi^+ \pi^- p K^-)}{\text{Br}(\Lambda_b^- \rightarrow \pi^+ \pi^- p K^-)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
405	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
404	Measurement of the CKM angle γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	23
403	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ 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
402	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
401	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
400	Amplitude analysis of $B \rightarrow D^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
399	Study of B_c^+ decays to the $K^+ K^-$ final state and evidence for the decay $B_c^+ \rightarrow \bar{D}^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
398	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
397	Measurement of the $B_s^0 \rightarrow J/\psi$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4.2	4
396	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
395	Model-independent measurement of the CKM angle γ using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K^0 S^0 \pi^+ \pi^-$ and $K^0 S^0 K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6

394	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow (\psi S)^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
393	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
392	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
391	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
390	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
389	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	4.2	79
388	Determination of $\Gamma_{\text{and}} \Delta \Gamma$ 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
387	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
386	Measurement of the semileptonic CP asymmetry in B^0 - B^0 mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
385	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
384	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
383	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
382	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
381	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
380	Study of π^0 mixing from measurement of $B(s)^0 \rightarrow J/\psi$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
379	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
378	Search for the lepton flavour violating decay $\mu^+ \rightarrow e^+ \gamma$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
377	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^*(5747)^{0,+}$ states and observation of $B_{u,0}^+$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14

376	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
375	Observation of the rare $B(s)(0) \rightarrow \pi^+ \pi^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
374	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013	32	
373	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
372	Laser Micromachining and Characterization of Metal-on-Glass High Density Pitch Adapters. <i>Journal of Microelectromechanical Systems</i> , 2015 , 24, 1479-1486	2.5	1
371	Study of CP violation in $B^0 \rightarrow D h^0$ ($h=K, \pi$) with the modes $D \rightarrow K^0 \pi^0$, $D \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^+ K^-$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
370	Study of $B^0 \rightarrow D K^0 \pi^0$ and $B^0 \rightarrow D \pi^0 \pi^0$ decays and determination of the CKM angle ϕ_1 . <i>Physical Review D</i> , 2015 , 92,	4.9	4
369	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	16	
368	Evidence for the Strangeness-Changing Weak Decay $\bar{b} \rightarrow \bar{u} \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
367	First observation and amplitude analysis of the $B^0 \rightarrow D^+ K^-$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
366	Quantum numbers of the X(3872) state and orbital angular momentum in its $D^0 \bar{D}^0$ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
365	Amplitude analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
364	Dalitz plot analysis of $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
363	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
362	Measurement of the branching fraction ratio $B(B_c^{+-} \rightarrow \pi^0 S^0)/B(B_c^{+-} \rightarrow J/\psi)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
361	Search for the rare decays $B^0 \rightarrow J/\psi \pi^0$ and $B_s^0 \rightarrow J/\psi \pi^0$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
360	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
359	Measurement of CP Violation in $B^0 \rightarrow J/\psi S^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22

358	Observation of the $B(s)(0) \rightarrow \mu\mu$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
357	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
356	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
355	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
354	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	7.4	297
353	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	7.4	1005
352	Measurement of CP asymmetries and polarisation fractions in $(\{B\}_s^0 \rightarrow \{K\}^{\ast 0} \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
351	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
350	Search for the $\bar{B}^0 \rightarrow \pi^+ \mu^-$ and $\bar{B}^0 \rightarrow \pi^0 \mu^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
349	Measurement of the exclusive π 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
348	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
347	Forward production of π mesons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
346	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow \mu^+ \mu^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
345	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow D^{*+} \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	4
344	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	27
343	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
342	Measurement of CP violation parameters and polarisation fractions in $(\{B\}_s^0 \rightarrow \{J\}/\psi \{\overline{\mathrm{K}}\}^{\ast 0})$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
341	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

340	Differential branching fraction and angular analysis of $B \rightarrow \pi\pi$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
339	Measurement of the time-dependent CP asymmetries in $B \rightarrow J/\psi K_S$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
338	Search for the decay $B \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	10
337	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
336	Observation of the decay $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4-2	12
335	Angular analysis and differential branching fraction of the decay $B \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	138
334	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
333	Angular analysis of the $B \rightarrow K^* e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20
332	Determination of the branching fractions of $B \rightarrow D^* K$ and $B \rightarrow D K$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
331	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
330	Observation of the $B \rightarrow \pi\pi$ decay from an amplitude analysis of $B \rightarrow \pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4-2	9
329	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow J/\psi$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4-2	25
328	Observation of two new $\Lambda_b^{(*)}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7-4	35
327	Measurement of the CP-violating phase $\arg(B \rightarrow J/\psi K)$ 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
326	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
325	Measurement of the Λ_b^0 and Λ_b^+ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 154-162	4-2	10
324	Effective lifetime measurements in the $B \rightarrow K^* K$ and $B \rightarrow K K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4-2	9
323	Measurement of the CP-violating phase $\arg(B \rightarrow J/\psi K)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4-2	33

322	Evidence for the decay . <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
321	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
320	Searches for (Λ_b^0) and (Ξ_b^0) decays to ($K_{\mathrm{S}}^0 p$) and ($K_{\mathrm{S}}^0 \Lambda$) final states with first observation of the (Λ_b^0 to $K_{\mathrm{S}}^0 p$) decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
319	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
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
317	Measurement of polarization amplitudes and CP asymmetries in B ⁰ → K ⁰ K ⁰ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
316	Angular analysis of charged and neutral B → K ⁰ K ⁰ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
315	Evidence for the decay ($B_{\mathrm{c}}^+ \rightarrow J/\psi \Lambda_c^+$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
314	Differential branching fractions and isospin asymmetries of B → K ⁰ K ⁰ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
313	Measurement of CP asymmetry in D ⁰ → K ⁰ K ⁰ and D ⁰ → K ⁰ K ⁰ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
312	Study of (Υ) production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
311	Observation of the $B \rightarrow J/\psi \Lambda$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
310	Observation of the B ⁰ → J/ψ K ⁰ K ⁰ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
309	Study of the kinematic dependences of $B \rightarrow J/\psi \Lambda$ production in pp collisions and a measurement of the $B \rightarrow J/\psi \Lambda$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
308	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
307	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
306	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
305	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

304	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text]TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
303	Search for the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
302	Search for CP violation in the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
301	Measurement of the charge asymmetry in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
300	Observation of the resonant character of the Z(4430)(-) state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
299	Observation of photon polarization in the b->s transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
298	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
297	Performance of the LHCb Vertex Locator. <i>Journal of Instrumentation</i> , 2014 , 9, P09007-P09007	1	129
296	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
295	Fabrication of high-density pitch adapters by laser ablation 2014 ,		1
294	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
293	Measurement of CP violation parameters in $B_0 \rightarrow DK^*0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
292	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
291	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
290	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^{*0} \pi^+ \pi^-$ and $B^+ \rightarrow K^+ \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
289	Observation of $B_{s1}^0 \rightarrow \{K^{*+} \pi^-\} \{K^{*0} \pi^0\}$ and evidence for $B_{s1}^0 \rightarrow \{K^{*+} \pi^-\} \{K^{*0} \pi^0\}$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
288	Measurement of CP violation and constraints on the CKM angle ϕ_1 in $B^0 \rightarrow DK^*0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
287	Measurement of the $B^0 \bar{B}^0$ and $B_s^0 \bar{B}_s^0$ 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

286	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
285	Evidence for CP violation in $B^+ \rightarrow \rho^0 K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
284	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
283	Measurement of resonant and CP components in $B_{\text{c}}^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
282	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
281	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
280	Measurement of the B_{c}^0 meson lifetime in $D_s^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
279	Measurement of CP violation in the phase space of $B_{\text{c}}^0 \rightarrow K^+ K^- \mu^+$ and $B_{\text{c}}^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
278	Measurement of the resonant and CP components in $B_{\text{c}}^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
277	Observation of overlapping spin-1 and spin-3 $D_0 K^-$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
276	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
275	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
274	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
273	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
272	Test of lepton universality using $b^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
271	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
270	Measurement of CP violation in $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
269	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21

268	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
267	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
266	Studies of beauty baryon decays to $D^0 p$ and $\bar{D}^0 \bar{p}$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
265	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
264	Study of χ_{c0} meson production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	33
263	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
262	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
261	First observations of the rare decays $B^+ \rightarrow K^+ \pi^+ \pi^-$ and $B^+ \rightarrow K^+ \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
260	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
259	Measurement of the CKM angle ϕ_1 using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
258	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
257	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
256	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
255	A study of CP violation in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ decays with $D \rightarrow K^0 \pi^+ \pi^-$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
254	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
253	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
252	Search for CP violation in $D^+ \rightarrow \pi^+ \pi^0$ and $(D_s^+ \rightarrow K^+ \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
251	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48

250	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
249	Measurement of the $B^0 \rightarrow K^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	22
248	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
247	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
246	Measurement of CP observables in $B^0 \rightarrow DK^0$ with $D \rightarrow K + K^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	6
245	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
244	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	63
243	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	13
242	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=2.76 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	28
241	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4-2	17
240	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4-2	19
239	Search for $D(s) \rightarrow \pi^0 \pi^0$ and $D(s) \rightarrow \pi^0 \pi^{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4-2	30
238	Model-independent search for CP violation in $B \rightarrow \pi K$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4-2	19
237	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow J/\psi K_S$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4-2	11
236	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K_S^0 \pi^+$ and $B^+ \rightarrow K_S^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4-2	9
235	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow [K^+][K^-])$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	25
234	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 h^+ h'^-$ 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
233	Measurement of the relative rate of prompt ℓ^0 , ℓ^1 and ℓ^2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	31

232	First evidence for the two-body charmless baryonic decay $\{B^0\} \rightarrow \overline{p} \{ \pi^0 \}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
231	Study of D J meson decays to D + π^0 and D * + π^0 final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
230	First observation of the decay $(B_c^+ \rightarrow \{J/\psi \{K^+\}\} \pi^0)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
229	Searches for $(B_{(s)}^0 \rightarrow \{J/\psi \{ \pi^0 \} \} \pi^0)$ and $B \rightarrow J/\psi (\pi^0) \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
228	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
227	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
226	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
225	Observation of $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	14
224	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
223	Measurement of ρ polarization in collisions at $[\sqrt{s}=7, \text{TeV}]$. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
222	Observation of the decay $(B_c^+ \rightarrow J/\psi + K^+)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
221	First observation of the decay $(B_s^0 \rightarrow \phi \overline{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
220	. <i>Journal of Lightwave Technology</i> , 2013 , 31, 2327-2331	4	3
219	First evidence for the decay $B(s)(0) \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
218	First observation of CP violation in the decays of B(s)0 mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
217	Search for the rare decay $(K_{\text{S}}^0 \rightarrow \{\mu^+\} \{\mu^-\})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
216	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
215	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* \pi^0)/B(B_s^0 \rightarrow K^* \pi^0)$ and the direct CP asymmetry in $B^0 \rightarrow K^* \pi^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29

214	Measurement of the effective . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
213	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
212	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
211	Measurement of the CKM angle Γ from a combination of $B_{\mu} \rightarrow D h_{\mu}$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
210	Measurement of the $B_0 B_{\mu}$ oscillation frequency Γ with the decays $B_0 \rightarrow D_{\mu}$ and $B_0 \rightarrow J/\psi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
209	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
208	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	41
207	Observation of the decay $B_{s0} \rightarrow D_{\mu}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
206	Search for the rare decay $D_0 \rightarrow \mu \mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
205	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
204	Evidence for the decay $B_0 \rightarrow J/\psi$ and measurement of the relative branching fractions of B_{s0} meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
203	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
202	The Timepix Telescope for high performance particle tracking. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 723, 47-54	1.2	20
201	Observation of . <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
200	Observation of D_0 - D_0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
199	Observations of . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
198	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
197	Precision measurement of the $B_0 \overline{B_0}$ oscillation frequency with the decay $B_0 \rightarrow D_{\mu}$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49

196	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
195	Search for the lepton-flavor-violating decays $B(s)0 \rightarrow e(\mu)\tau$ and $B0 \rightarrow e(\mu)\tau$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
194	Precision measurement of the $\Lambda(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
193	Measurement of CP violation and the B_s0 meson decay width difference with $B_s0 \rightarrow J/\psi + K_L$ and $B_s0 \rightarrow J/\psi + \eta$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
192	Measurement of $D0$ - $\bar{D}0$ mixing parameters and search for CP violation using $D0 \rightarrow K^+ \eta$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
191	First observations of $B_L0 \rightarrow D^+ D^- D_s^+ D^-$ and $D0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
190	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
189	Measurement of the CP asymmetry in $B(+) \rightarrow K(+) \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
188	First measurement of the CP-violating phase in $B_s(0) \rightarrow ??$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
187	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
186	Measurement of the branching fractions of the decays $B_s0 \rightarrow D^0 K_S^0$ and $B0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
185	Analysis of the resonant components in $B^0 \rightarrow J/\psi + \eta$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
184	Observation of the decay $B(c)(+) \rightarrow B(s)(0) \eta$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
183	Search for the decay $B_s0 \rightarrow D^{*0} \eta$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
182	Measurement of the polarization amplitudes in $B0 \rightarrow J/\psi^*(892)0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
181	Measurement of CP violation in the phase space of $B^\pm \rightarrow K^\pm \eta$ and $B^\pm \rightarrow K^\pm K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
180	Observation of the decay $B_{c^+} \rightarrow \psi(2S) \eta$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
179	Measurement of form-factor-independent observables in the decay $B0 \rightarrow K^*(0) \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314

178	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
177	Study of $B^0 \rightarrow D^{*+} \pi^-$ and $B^0 \rightarrow D^{*0} \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
176	Measurement of the CP asymmetry in $B(0) \rightarrow K^{*0} \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801,	7.4	21
175	Studies of the decays $B^{+-} \rightarrow \rho^0 \pi^+ \pi^-$ and observation of $B^{+-} \rightarrow \rho(1520) \pi^+ \pi^-$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
174	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0 \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003,	7.4	43
173	Amplitude analysis and branching fraction measurement of $B_s^0 \rightarrow J/\psi K^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
172	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
171	First observation of $B_s^0 \rightarrow J/\psi K^0 \pi^0$ and search for $B_s^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
170	Measurement of the $B_s(0) \rightarrow \pi^0 \pi^0$ branching fraction and search for $B(0) \rightarrow \pi^0 \pi^0$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
169	Search for rare $B(0)((s)) \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
168	Production, measurement and simulation of a low mass flex cable for multi gigabit/s readout for the LHCb VELO upgrade. <i>Journal of Instrumentation</i> , 2013 , 8, C01018-C01018	1	
167	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	41
166	Observation of ϕ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
165	Measurement of the effective $B_s^0 \rightarrow K^+ K^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
164	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
163	Search for the rare decays $B \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
162	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
161	First observation of the decay $B \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22

160	Measurement of the $B_s^0 \rightarrow D_s^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
159	Observation of CP violation in $B^\pm \rightarrow DK^\pm$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
158	Measurement of charged particle multiplicities in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
157	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
156	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
155	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
154	Measurement of the B^\pm production cross-section in pp collisions at $(\sqrt{s}) = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
153	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
152	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
151	Measurement of the isospin asymmetry in $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
150	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
149	Study of D^0 decays to $D^+ K^-$ and $D^0 K^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
148	Measurement of the fraction of $\Lambda(1520)$ originating from $\Lambda(1520)$ decays in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
147	First observation of the decay $B \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
146	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
145	Measurements of the branching fractions and CP asymmetries of $B^\pm \rightarrow J/\psi$ and $B^\pm \rightarrow \psi(2S)$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
144	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
143	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* \pi)/B(B_s^0 \rightarrow \pi^0 \pi^0)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12

142	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
141	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
140	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
139	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
138	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
137	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
136	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
135	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
134	Measurement of relative branching fractions of decays to (2) and / mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
133	Measurement of prompt hadron production ratios in pp collisions at ($\sqrt{s} = 0.9$ and 7 TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
132	The LHCb Upgrade. <i>Physics Procedia</i> , 2012 , 37, 151-163		2
131	Characterisation of Glasgow/CNM Double-Sided 3D Sensors. <i>Physics Procedia</i> , 2012 , 37, 1016-1023		
130	Measurement of the effective . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
129	A model-independent Dalitz plot analysis of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
128	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
127	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
126	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
125	First observation of the decay $B(c)^+ \rightarrow J/\psi \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50

124	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \pi$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
123	Measurement of the B_c^0 effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
122	First observation of the decays $B^0 \rightarrow D^{(*)}K^{(*)}\pi$ and $B^- \rightarrow D^0K^{(*)}\pi$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
121	Observation of excited $\Lambda_b(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
120	Analysis of the resonant components in $B_c^0 \rightarrow J/\psi \pi$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
119	Determination of the sign of the decay width difference in the B_c^0 system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
118	Measurement of the $B_c^0 \rightarrow J/\psi K^{*0}$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
117	Strong constraints on the rare decays $B_c^0 \rightarrow \pi^0 \pi$ and $B^0 \rightarrow \pi^0 \pi$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
116	Search for lepton number violating decays $B^+ \rightarrow \pi^0 \pi$ and $B^+ \rightarrow K^- \pi$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
115	Measurement of the CP-violating phase ϕ_1 in the decay $B_c^0 \rightarrow J/\psi$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
114	Search for the $X(4140)$ state in $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
113	First observation of the decays $B_c^0 \rightarrow D_s + K^0$ and $B_c^0 \rightarrow D_{s1}(2536) + \pi$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
112	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
111	Observation of $B^0 \rightarrow D^0(0)K^{(*)}K^{(*)}$ and evidence for $B_c^0 \rightarrow D^0(0)K^{(*)}K^{(*)}$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
110	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow h^0 \pi^+$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	2
109	Observation of $B_c^0 \rightarrow J/\psi(2)'(1525)$ in $J/\psi K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
108	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
107	Precision scans of the Pixel cell response of double sided 3D Pixel detectors to pion and X-ray beams. <i>Journal of Instrumentation</i> , 2011 , 6, P05002-P05002	1	11

106	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
105	First observation of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 32-39	4.2	14
104	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
103	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
102	Search for CP violation in $D^+ \rightarrow K^0 \pi^+$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
101	First operational experience from the LHCb Silicon Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S182-S184	1.2	
100	The LHCb VELO upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S185-S193	1.2	5
99	First observation of $B^0 \rightarrow D_s^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 14-20	4.2	25
98	First observation of $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
97	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ 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
96	Measurements of the branching fractions for $B(s) \rightarrow D(s) \pi$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
95	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B^0 \rightarrow D^- K^+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
94	LHCb Silicon Tracker DAQ and ECS Online Systems. <i>IEEE Transactions on Nuclear Science</i> , 2010 , 57, 569-576	4.2	3
93	Prompt γ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 69-80	4.2	20
92	Measurement of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
91	First experience and results with the LHCb Silicon Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 617, 538-540	1.2	
90	Synchrotron tests of 3D Medipix2 and TimePix X-ray detectors 2009 ,		1
89	Commissioning and early physics at LHCb. <i>Journal of Physics: Conference Series</i> , 2009 , 171, 012056	0.3	

88	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
87	The ALICE experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08002-S08002	1	517
86	Long term performance and ageing of CsI photocathodes for the ALICE/HMPID detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 574, 28-38	1.2	30
85	The current progress of the ALICE Ring Imaging Cherenkov Detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 580, 1144-1147	1.2	5
84	Experience from the construction and installation of the HMPID CsI-RICH detector in ALICE. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 402-405	1.2	5
83	Production technique and quality evaluation of CsI photocathodes for the ALICE/HMPID detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 566, 338-350	1.2	28
82	Photo-current scanner system for in situ quality assessment of large area CsI photocathodes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 566, 351-359	1.2	7
81	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
80	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	25
79	Measurement of the forward-backward charge asymmetry of electron-positron pairs in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	44
78	Measurement of the J/ψ meson and b-hadron production cross sections in pp collisions at $\sqrt{s}=1.96$ GeV. <i>Physical Review D</i> , 2005 , 71,	4.9	596
77	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. <i>Physical Review D</i> , 2005 , 71,	4.9	27
76	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic fitting of b-tagged lepton+jet events. <i>Physical Review D</i> , 2005 , 71,	4.9	28
75	Search for ZZ and ZW production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	7
74	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. <i>Physical Review D</i> , 2005 , 71,	4.9	21
73	Search for electroweak single-top-quark production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	32
72	Quality evaluation of CsI photocathodes for the ALICE/HMPID detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 553, 140-145	1.2	8
71	Status of the HMPID CsI-RICH project for ALICE at the CERN/LHC. <i>IEEE Transactions on Nuclear Science</i> , 2005 , 52, 972-979	1.7	12

70	Performance of the high momentum particle identification CsI-RICH for ALICE at CERN-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 553, 345-350	1.2	9
69	Results from the ageing studies of large CsI photocathodes exposed to ionizing radiation in a gaseous RICH detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 553, 187-195	1.2	22
68	Search for excited and exotic electrons in the egamma decay channel in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 101802	7.4	25
67	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
66	Measurement of the $W^{+}W^{-}$ production cross section in pp collisions at square root $\sqrt{s} = 1.96$ TeV using dilepton events. <i>Physical Review Letters</i> , 2005 , 94, 211801	7.4	23
65	Search for anomalous kinematics in $t\bar{t}$ dilepton events at CDF II. <i>Physical Review Letters</i> , 2005 , 95, 022001	7.4	8
64	Measurement of the lifetime difference between B_s mass eigenstates. <i>Physical Review Letters</i> , 2005 , 94, 101803	7.4	50
63	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
62	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
61	Measurement of the cross section for prompt diphoton production in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 022003	7.4	33
60	Measurement of partial widths and search for direct CP violation in D^0 meson decays to K^-K^+ and $\pi^-\pi^+$. <i>Physical Review Letters</i> , 2005 , 94, 122001	7.4	36
59	Measurement of $W\gamma$ and $Z\gamma$ production in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 041803	7.4	30
58	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
57	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
56	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
55	Search for $B^0 \rightarrow \mu^+ \mu^-$ and $B^0_d \rightarrow \mu^+ \mu^-$ decays in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 032001	7.4	57
54	Search for Kaluza-Klein graviton emission in pp collisions at square root $\sqrt{s} = 1.8$ TeV using the missing energy signature. <i>Physical Review Letters</i> , 2004 , 92, 121802	7.4	21
53	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

52	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
51	Inclusive double-pomeron exchange at the fermilab tevatron p p collider. <i>Physical Review Letters</i> , 2004 , 93, 141601	7.4	10
50	Measurement of the tt 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
49	Inclusive search for anomalous production of high-pT like-sign lepton pairs in pp collisions at square root $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 061802	7.4	9
48	ALICE: Physics Performance Report, Volume I. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004 , 30, 1515-1515	2.9	29
47	Search for lepton flavor violating decays of a heavy neutral particle in p(-)p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 91, 171602	7.4	9
46	Momentum distribution of charged particles in jets in dijet events in pp collisions at $s=1.8$ TeV and comparisons to perturbative QCD predictions. <i>Physical Review D</i> , 2003 , 68,	4.9	36
45	Search for a W' boson decaying to a top and bottom quark pair in 1.8 TeV pp collisions. <i>Physical Review Letters</i> , 2003 , 90, 081802	7.4	20
44	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
43	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
42	Search for associated production of Upsilon and vector boson in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2003 , 90, 221803	7.4	11
41	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
40	Central pseudorapidity gaps in events with a leading antiproton at the fermilab tevatron pp collider. <i>Physical Review Letters</i> , 2003 , 91, 011802	7.4	8
39	Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II. <i>Physical Review D</i> , 2003 , 68,	4.9	10
38	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
37	Measurement of B-meson lifetimes using fully reconstructed B decays produced in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	5
36	Branching ratio measurements of exclusive B+ decays to charmonium with the Collider Detector at Fermilab. <i>Physical Review D</i> , 2002 , 66,	4.9	12
35	Measurement of the strong coupling constant from inclusive jet production at the Tevatron pp collider. <i>Physical Review Letters</i> , 2002 , 88, 042001	7.4	35

34	Search for new physics in photon-lepton events in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 66,	4.9	14
33	Cross section for forward J/ψ production in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 66,	4.9	7
32	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
31	Search for the decay $B_s \rightarrow \mu^+ \mu^-$ in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	6
30	Diffractive dijet production at $\sqrt{s} = 630$ and 1800 GeV at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2002 , 88, 151802	7.4	18
29	Search for gluinos and scalar quarks in pp collisions at square root[s] = 1.8 TeV using the missing energy plus multijets signature. <i>Physical Review Letters</i> , 2002 , 88, 041801	7.4	73
28	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. <i>Physical Review Letters</i> , 2002 , 89, 281801	7.4	37
27	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
26	Study of the heavy flavor content of jets produced in association with W bosons in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	19
25	Comparison of the isolated direct photon cross sections in pp collisions at $s=1.8$ TeV and $s=0.63$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	47
24	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
23	Search for single-top-quark production in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2002 , 65,	4.9	42
22	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
21	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
20	Cross section and heavy quark composition of B_c events produced in pp collisions. <i>Physical Review D</i> , 2001 , 65,	4.9	3
19	Measurement of $d\sigma/dM$ and forward-backward charge asymmetry for high-mass Drell-Yan e^+e^- pairs from pp macro collisions at square root of $s = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 87, 131802	7.4	26
18	Measurement of the W boson mass with the Collider Detector at Fermilab. <i>Physical Review D</i> , 2001 , 64,	4.9	52
17	Charged-particle multiplicity pp collisions at square root of (s) = 1.8 TeV. <i>Physical Review Letters</i> , 2001 , 87, 211804	7.4	16

16	Measurement of the two-jet differential cross section in pp collisions at $s=1800$ GeV. <i>Physical Review D</i> , 2001 , 64,	4.9	4
15	Search for quark-lepton compositeness and a heavy W' Boson using the $e\nu$ channel in $p p$ macro collisions at square root of $[s] = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 87, 231803	7.4	37
14	Double diffraction dissociation at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2001 , 87, 141804	4.2	34
13	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
12	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
11	The spin structure of the nucleon. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999 , 74, 142-148		
10	A large Streamer Chamber muon tracking detector in a high-flux fixed-target application. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 435, 354-374	1.2	2
9	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
8	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
7	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
6	Next-to-leading order QCD analysis of the spin structure function g_1 . <i>Physical Review D</i> , 1998 , 58,	4.9	113
5	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
4	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
3	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
2	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
1	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