

Paul Soler

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.

677 papers	21,010 citations	66 h-index	116 g-index
694 ext. papers	25,555 ext. citations	5.3 avg, IF	6.28 L-index

#	Paper	IF	Citations
677	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
676	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
675	Study of $\mathcal{B}(\mathcal{B}_c^+ \rightarrow \text{charmonia} + \text{three light hadrons})$. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
674	Search for the radiative $\mathcal{B}(\mathcal{X}_b^0 \rightarrow \gamma \mathcal{B}^0)$ decay. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
673	Precise determination of the B_{osc}^0 oscillation frequency. <i>Nature Physics</i> , 2022 , 18, 1-5	16.2	0
672	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
671	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
670	Measurement of $\mathcal{B}(1(3872))$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
669	Evidence for a New Structure in the J/ψ and $J/\psi(\text{over } \chi)$ Systems in $B_{\text{osc}}^0 \rightarrow \psi \psi^0$ Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
668	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , 2022 , 17, P02028	1	0
667	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	0
666	Angular analysis of the rare decay $(\mathcal{B}_s^0 \rightarrow \pi^0 \pi^0)$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
665	First measurement of the (CIP)-violating phase in $(\mathcal{B}^0 \rightarrow \psi \pi^0) \rightarrow (\psi \pi^0) \rightarrow (\psi \pi^0)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
664	Measurement of the lifetimes of promptly produced Λ^0 and Λ^0 baryons. <i>Science Bulletin</i> , 2021 ,	10.6	1
663	Branching Fraction Measurements of the Rare $B_{\text{osc}}^0 \rightarrow \pi^+ \pi^-$ and $B_{\text{osc}}^0 \rightarrow \pi^+ \pi^- (1525)$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
662	Observation of a $(\lambda_b^0) \rightarrow (\overline{\lambda}_b^0)$ 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
661	Observation of a New Excited D_{osc}^+ Meson in $B^0 \rightarrow D^+ K^0$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3

660	Observation of Multiplicity Dependent Prompt $\chi_c(3872)$ and χ_{c2} Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
659	Measurement of the CKM angle $\arg(V_{ts}^* V_{td})$ and $(B_s^0 \rightarrow \overline{B}_s^0)$ mixing frequency with $(B_s^0 \rightarrow D_s^{\pm} h^{\pm} \pi^{\pm} \pi^{\mp})$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
658	Observation of the $(B_s^0 \rightarrow D^* \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
657	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\pm} \text{jet})$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
656	Measurements of σ_{had} and $\sigma_{\text{had}}^{\text{ch}}$ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. <i>Progress of Theoretical and Experimental Physics</i> , 2021 , 2021,	5.4	1
655	Measurement of CP Violation in the Decay $B^+ \rightarrow K^+ \pi^0$. <i>Physical Review Letters</i> , 2021 , 126, 091802	7.4	1
654	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
653	Measurement of CP observables in $B \rightarrow D^{(*)} K$ and $B \rightarrow D^{(*)} \pi$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
652	Search for the rare decay $B^0 \rightarrow e/\mu^* \pi$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
651	Measurement of the branching fraction of the $(B^0 \rightarrow D^+_{(s)} \pi^-)$ decay. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
650	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^0$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
649	Observation of the $B^0 \rightarrow K^+ K^- \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 815, 136172	4.2	0
648	Observation of the decay $(\Lambda_b^0 \rightarrow \bar{c} \pi^0)$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
647	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
646	Angular analysis of $(B^0 \rightarrow D^{\text{ast}-} D_s^{\text{ast}+})$ with $(D_s^{\text{ast}+} \rightarrow D_s^+ \gamma)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
645	First T2K measurement of transverse kinematic imbalance in the muon-neutrino charged-current single- π production channel containing at least one proton. <i>Physical Review D</i> , 2021 , 103,	4.9	1
644	Search for CP violation in $(D_{(s)}^+ \rightarrow h^+ \pi^0)$ and $(D_{(s)}^+ \rightarrow h^+ \eta)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
643	Improved constraints on neutrino mixing from the T2K experiment with 3.13×10^{21} protons on target. <i>Physical Review D</i> , 2021 , 103,	4.9	11

642	Evidence of a J/ψ structure and observation of excited ψ states in the $B \rightarrow J/\psi K$ decay. <i>Science Bulletin</i> , 2021 , 66, 1278-1287	10.6	19
641	T2K measurements of muon neutrino and antineutrino disappearance using 3.13 $\times 10^{21}$ protons on target. <i>Physical Review D</i> , 2021 , 103,	4.9	3
640	Observation of a new B_0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
639	Study of $(\mathcal{B}(\mathcal{B}_s^0 \rightarrow e^+ \mu^- K))$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
638	First Observation of the Decay $B_{(s)}^0 \rightarrow K^{*0} \pi^0$ and a Measurement of $ V_{ub} / V_{cb} $. <i>Physical Review Letters</i> , 2021 , 126, 081804	7.4	7
637	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
636	Measurement of the CKM angle ϕ_1 in $B \rightarrow DK$ and $B \rightarrow D^* K$ decays with $D \rightarrow (K^0_S) \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
635	Search for long-lived particles decaying to $(e^+ \mu^-) (\mu^+ \mu^-) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
634	Supernova Model Discrimination with Hyper-Kamiokande. <i>Astrophysical Journal</i> , 2021 , 916, 15	4.7	4
633	Observation of new excited $B^0_{(s)}$ states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
632	Performance of the MICE diagnostic system. <i>Journal of Instrumentation</i> , 2021 , 16, P08046	1	0
631	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
630	Observation of New Resonances Decaying to $J/\psi K^{*+}$ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
629	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
628	Search for CP violation in $B \rightarrow K^* K$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
627	Search for the doubly heavy baryons Ξ_{cc} and Ξ_{bb} decaying to $\Lambda_c^+ \Lambda_c^0$ and $\Lambda_b^0 \Lambda_b^0$ *. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
626	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2021 , 127, 111801	7.4	0
625	Simultaneous determination of CKM angle ϕ_1 and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0

624	Search for the doubly charmed baryon χ_{cc}^{++} in the $\chi_{c^{++}}\pi^{-}\pi^{+}$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
623	Study of the lineshape of the $\Xi(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18
622	Amplitude analysis of the $B^{+}\rightarrow D^{+}D_{s1}^{*}$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
621	Constraints on the $K_{S}^{*0}\rightarrow B^{+}\pi^{-}$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
620	Model-Independent Study of Structure in $B^{+}\rightarrow D^{+}D^{*}K^{+}$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
619	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
618	Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
617	First measurement of the charged current $\pi\pi$ double differential cross section on a water target without pions in the final state. <i>Physical Review D</i> , 2020 , 102,	4.9	3
616	Measurement of the branching fraction of the decay $B_{s0}\rightarrow K_{S0}K_{S0}$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
615	First observation of the decay $B_{0}^{*0}\rightarrow K^{*0}\pi^{0}$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
614	First branching fraction measurement of the suppressed decay $\Xi_{0}^{*}\rightarrow \Xi^{*}$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
613	Test of lepton universality with $(\Lambda_{b}^{0}\rightarrow pK^{\pm}\ell^{\mp}\ell^{\pm})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
612	New parametrization of the form factors in $B\rightarrow D^{*}\pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	4
611	Observation of New Ξ_{c}^{*0} Baryons Decaying to $\Xi_{c}^{*+}K^{\pm}$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
610	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. <i>Physical Review Letters</i> , 2020 , 124, 161802	7.4	4
609	First Observation of Excited Ξ_{b}^{*} States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
608	Measurement of the $(\Lambda_{b}^{0})\rightarrow e/\mu$ Angular distribution and the (Λ_{b}^{0}) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
607	First combined measurement of the muon neutrino and antineutrino charged-current cross section without pions in the final state at T2K. <i>Physical Review D</i> , 2020 , 101,	4.9	7

606	Simultaneous measurement of the muon neutrino charged-current cross section on oxygen and carbon without pions in the final state at T2K. <i>Physical Review D</i> , 2020 , 101,	4.9	4
605	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
604	Measurement of CP observables in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ with $D \rightarrow \{K_{\text{S}}^0 \pi^0, K_{\text{L}}^0 \pi^0, K_{\text{S}}^0 \pi^{\pm} \pi^{\mp}\}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
603	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
602	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
601	Determination of quantum numbers for several excited charmed mesons observed in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8
600	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
599	Measurement of the muon neutrino charged-current single π production on hydrocarbon using the T2K off-axis near detector ND280. <i>Physical Review D</i> , 2020 , 101,	4.9	3
598	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
597	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
596	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
595	Measurement of the relative branching fractions of $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
594	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
593	Search for CP violation in $\chi_{cc}^{++} \rightarrow \{p\} \{K^-\} \{\pi^+\}$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
592	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \nu_{\mu}$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
591	Measurement of CP violation in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
590	Measurement of the shape of the $(B_s^0 \rightarrow D_s^{\text{ast}-} \mu^+ \nu_{\mu})$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
589	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using $(B_s^0 \rightarrow \pi^0 \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8

588	Observation of a new baryon state in the ($\Lambda_{\mathrm{b}}^0 \pi^+ \pi^-$) mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
587	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
586	Search for the doubly heavy (Ξ_{bc}^0) baryon via decays to $D^0 p K^-$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
585	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
584	Demonstration of cooling by the Muon Ionization Cooling Experiment. <i>Nature</i> , 2020 , 578, 53-59	50.4	24
583	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
582	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 212001	7.4	1
581	Observation of structure in the J/ψ pair mass spectrum. <i>Science Bulletin</i> , 2020 , 65, 1983-1993	10.6	71
580	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
579	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
578	Isospin Amplitudes in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
577	Measurement of $f_{\mathrm{s}}/f_{\mathrm{u}}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
576	Study of the $B(3823)$ and $B_1(3872)$ states in $B^+ \rightarrow J/\psi K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
575	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
574	Search for $A^0 \rightarrow B^+ B^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
573	Constraint on the matter-antimatter symmetry-violating phase in neutrino oscillations. <i>Nature</i> , 2020 , 580, 339-344	50.4	148
572	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
571	Measurement of the relative $B \rightarrow D^0/D^{*0}$ branching fractions using B mesons from $B \rightarrow D^0 D^{*0}$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2

570	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
569	Search for the rare decay $\{B^+\} \rightarrow \{\mu^+\} \{\mu^-\} \{\mu^+\} \{\nu_\mu\}$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
568	Measurement of the CP-violating phase γ from $B^0 \rightarrow \pi^0 \pi^0$ 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
567	Observation of the $(\Lambda_b^0 \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
566	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
565	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
564	Observation of $B_{(s)}^0 \rightarrow \pi^0 \pi^0$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
563	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
562	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
561	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
560	Observation of an Excited B_c^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
559	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
558	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c \bar{c}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
557	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
556	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
555	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
554	Measurement of the mass and production rate of Λ_b baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
553	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+$, $D^+ \rightarrow K^+ \pi^+$ and $D^+ \rightarrow K^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3

552	Study of the $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
551	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \pi^+ \pi^- S^0$ and $B^0 \rightarrow \pi^+ \pi^- \eta$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
550	Dalitz plot analysis of the $D^+ \rightarrow \pi^+ K^+ K^-$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
549	Precision measurement of the Ξ^+ , Ξ^0 , and Ξ^- baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
548	First particle-by-particle measurement of emittance in the Muon Ionization Cooling Experiment. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	5
547	Understanding KKL from a 10d perspective. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	42
546	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- S^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
545	First Observation of the Radiative Decay $\Xi_b^0 \rightarrow \Xi^0 \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
544	Measurement of the branching fraction and (C)P asymmetry in $(\{B^+ \rightarrow J/\psi \rho^+\} \text{ and } \{B^0 \rightarrow J/\psi \rho^0\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
543	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
542	Near-threshold $(\overline{D}^0 \rightarrow D^0 \gamma)$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
541	Amplitude analysis of the $(B_{(s)}^0 \rightarrow K^0 \overline{K}^0)$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^0 \overline{K}^0)$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
540	Observation of New Resonances in the $\Xi_b^0 \rightarrow \Xi^0 \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
539	Updated measurement of time-dependent (CP)-violating observables in $(B_{(s)}^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
538	Measurements of CP asymmetries in charmless four-body $(\Lambda_b^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-)$ and $(\Xi_b^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
537	Prompt Ξ^0 production in pPb collisions at $(\sqrt{s_{NN}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
536	A search for $(\Xi_{cc}^{++} \rightarrow \Xi^+ \pi^+ \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
535	Measurement of CP violation in the $(B_{(s)}^0 \rightarrow \pi^+ \pi^-)$ decay and search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0

534	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
533	Measurement of neutrino and antineutrino neutral-current quasielasticlike interactions on oxygen by detecting nuclear deexcitation γ ays. <i>Physical Review D</i> , 2019 , 100,	4.9	6
532	Search for the Lepton-Flavor-Violating Decays $B_{(s)}^{0-} \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ and $B^{0-} \rightarrow \ell^+ \ell^- \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
531	Search for Lepton-Flavor Violating Decays $B^{+} \rightarrow K^{+} \ell^+ \ell^- e^+ \ell^-$. <i>Physical Review Letters</i> , 2019 , 123, 241802,	7.4	8
530	Measurement of CP-Violating and Mixing-Induced Observables in $B_{(s)}^{0-} \rightarrow \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
529	Amplitude Analysis of $B^{0-} \rightarrow \ell^+ \ell^- K^{+} K^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
528	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
527	Observation of Two Resonances in the $\Upsilon(b)^0 \rightarrow \ell^+ \ell^-$ Systems and Precise Measurement of $\Upsilon(b)^0$ and $\Upsilon(b)^{*-}$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
526	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
525	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
524	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
523	Measurement of CP observables in $B^{0-} \rightarrow \ell^+ \ell^- K^{+}$ and $B^{0-} \rightarrow \ell^+ \ell^- \pi^{+}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
522	A measurement of the CP asymmetry difference between $\Upsilon^{+} \rightarrow \phi K^{+}$ and $p \rightarrow \phi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
521	Measurement of CP asymmetry in $B^0 \rightarrow \ell^+ \ell^- \pi^{+} K^{0}$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
520	Search for the lepton-flavour violating decays $B^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
519	First measurement of the CP-violating phase ($\phi_{s^{\overline{d}}}$) in $B^0 \rightarrow \ell^+ \ell^- K^{+} K^{0}$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
518	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ branching fraction using three-prong ℓ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
517	Measurement of the Ratio of the $B^{0-} \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ and $B^{0-} \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ Branching Fractions Using Three-Prong ℓ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126

516	Measurement of the Ratio of Branching Fractions $B(B_{c}^{+} \rightarrow \mu^{+} \nu_{\mu})/B(B_{c}^{+} \rightarrow \mu^{+} \nu_{\tau})$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
515	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
514	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
513	Measurement of branching fractions of charmless four-body B^0 and B^+ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
512	Observation of the decay $B^0 \rightarrow \mu^+ \mu^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
511	Observation of a New Ξ_b^0 Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
510	Evidence for the Rare Decay $B^0 \rightarrow \mu^+ \mu^- \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
509	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
508	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
507	Study of η' production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
506	Search for beautiful tetraquarks in the $\eta(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
505	Search for CP violation in $B^0 \rightarrow \rho^0 K^0$ and $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
504	Contribution of constituent quark model ($\bar{c}s$) states to the dynamics of the $(D_{s1}^{*}(2317))$ and $(D_{s1}(2460))$ resonances. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	18
503	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
502	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
501	Observation of the decay $B_s^0 \rightarrow \rho^0 K^0 K^0$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
500	Observation of $B_s^0 \rightarrow \rho^0 \pi^0$ and search for $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
499	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{\text{NN}}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22

498	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
497	Measurement of η production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
496	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
495	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$) in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
494	Search for a dimuon resonance in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
493	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
492	Angular moments of the decay $B \rightarrow \eta \pi$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
491	Measurement of $Z \rightarrow \eta \pi$ production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
490	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
489	Measurement of the CKM angle Γ using $B \rightarrow DK$ with $D \rightarrow \pi^0 \pi^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
488	Measurement of $D \rightarrow \eta$ 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
487	Measurement of Angular and CP Asymmetries in $D^{*0} \rightarrow B^+ \pi^- \pi^+ \pi^-$ and $D^{*0} \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
486	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
485	Evidence for the decay ($B_S^0 \rightarrow \overline{K}^{\ast 0} \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
484	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
483	Higgs mechanism in nonlocal field theories. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
482	Observation of the decay $B \rightarrow \eta(2S) \pi$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
481	Measurement of the CP asymmetry in $B \rightarrow D^0 \pi^0$ and $B \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1

480	Search for CP violation using triple product asymmetries in $B \rightarrow \bar{D}^0 K^0$ and $B \rightarrow \bar{D}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
479	Updated determination of $D^0\bar{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
478	Search for the rare decay $B \rightarrow \pi^0 \pi^0$ <i>Physical Review D</i> , 2018 , 97,	4.9	9
477	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
476	First observation of $B^+ \rightarrow \bar{D}^0 + s K^0$ decays and a search for $B^+ \rightarrow \bar{D}^0 + s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
475	Measurements of the branching fractions of $B^+ \rightarrow \pi^0 \pi^+$, $B^+ \rightarrow \pi^0 K^+$, and $B^+ \rightarrow \pi^0 K^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
474	Measurement of CP violation in $B^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
473	Amplitude Analysis of the Decay $B \rightarrow \pi^0 \pi^0 \pi^0$ and First Observation of the CP Asymmetry in $B \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
472	Search for the CP-violating strong decays $B \rightarrow \pi^0 \pi^0$ and $B(958) \rightarrow \pi^0 \pi^0$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
471	Search for the suppressed decays $B^+ \rightarrow \pi^0 K^+$ and $B^+ \rightarrow \pi^0 K^+$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
470	Amplitude analysis of $B^+ \rightarrow \pi^0 K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
469	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \pi^0 \pi^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
468	Observation of the Annihilation Decay Mode $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
467	First Experimental Study of Photon Polarization in Radiative $B \rightarrow \gamma \pi^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
466	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
465	Observation of the decay $B_s^0 \rightarrow \pi^0 \pi^0$ and evidence for $B^0 \rightarrow \pi^0 \pi^0$ <i>Physical Review D</i> , 2017 , 95,	4.9	17
464	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
463	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \pi^0 \pi^0$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25

462	Study of the $D^0 \rightarrow \pi^+ \pi^-$ amplitude in $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
461	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
460	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
459	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 177-187	4.2	11
458	Observation of the Decay $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
457	Search for long-lived scalar particles in $B^+ \rightarrow \pi^+ \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
456	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}})=5.76$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
455	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
454	Observation of charmless baryonic decays $B(s)^0 \rightarrow \pi^+ \pi^- h$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
453	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
452	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
451	Observation of $B_c^+ \rightarrow \pi^+ D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
450	Measurements of charm mixing and CP violation using $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
449	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
448	Search for the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
447	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
446	Measurement of B_{s}^0 and D_{s}^0 Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
445	Observation of the Doubly Charmed Baryon $\Lambda_{\mathrm{cc}}^{++}$. <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257

444	Measurement of the CP Violation Parameter A_{FB}^{ℓ} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
443	Observation of $B_{\{c\}^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
442	Baby MIND: a magnetized segmented neutrino detector for the WAGASCI experiment. <i>Journal of Instrumentation</i> , 2017 , 12, C07028-C07028	1	2
441	Observation of Five New Narrow χ_{c0} States Decaying to $\chi_{c0}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
440	Measurement of CP asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ and $D_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
439	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
438	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ Decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
437	Measurement of the $B_{\{s\}^0} \rightarrow \pi^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
436	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
435	Observation of the Decays $\chi_{b0} \rightarrow \chi_{c1} p K^-$ and $\chi_{b0} \rightarrow \chi_{c2} p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
434	Observation of the $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
433	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
432	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
431	Observation of the suppressed decay $B \rightarrow \pi \pi \pi$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
430	Test of lepton universality with $B^0 \rightarrow \ell^+ \ell^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
429	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $\chi_{c1,2} \rightarrow \gamma \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
428	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
427	Search for Baryon-Number Violating χ_{b0} Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1

426	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
425	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
424	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
423	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
422	Evidence for the two-body charmless baryonic decay $(\{B\}^+ \rightarrow \overline{\Lambda}^0)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
421	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \bar{p}$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
420	Resonances and CP violation in B^0 and $(\overline{B}^0 \rightarrow J/\psi \{K\}^+ \{K\}^-)$ decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	13
419	Study of $(\mathrm{b} \overline{\mathrm{b}})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
418	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
417	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
416	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	2
415	First Observation of a Baryonic $B_{\{s\}}^0$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7-4	10
414	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4-2	23
413	Updated branching fraction measurements of $B(s) \rightarrow \pi^+ \pi^- h^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	4
412	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
411	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	6
410	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
409	Measurement of the B^0 production cross-section in pp collisions at $s = 7 \sqrt{s}=7$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	8

408	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
407	Lattice design and expected performance of the Muon Ionization Cooling Experiment demonstration of ionization cooling. <i>Physical Review Accelerators and Beams</i> , 2017 , 20,	1.8	4
406	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
405	Model-Independent Evidence for J/ψ Contributions to $\overline{B}^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
404	Evidence for Exotic Hadron Contributions to $\overline{B}^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
403	Studies of the resonance structure in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
402	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
401	First Observation of $D^0-D^{\overline{0}}$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^0$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
400	First observation of the rare $B^+ \rightarrow K^+ \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
399	Measurement of the $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
398	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
397	Observation of $B_{s^0} \rightarrow D^0 K_{S^0}^*$ and Evidence for $B_{s^0} \rightarrow D^0 \overline{K}_{S^0}^*$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
396	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
395	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
394	Search for Structure in the $B_{(s)}^0 \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
393	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^-$ in the $K^*0, 2(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
392	Study of $D^{(*)} + sJ$ mesons decaying to $D^* + K^0_S$ and $D^0 K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
391	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

390	Study of $\Lambda(2S)$ 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
389	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ S^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	11
388	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
387	First observation of the decay $B^0 \rightarrow K^{*0} K^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
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384	Pion contamination in the MICE muon beam. <i>Journal of Instrumentation</i> , 2016 , 11, P03001-P03001	1	7
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382	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
381	Observations of $D^0 \rightarrow K^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$ decays and searches for other D^0 b and D^0 b decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
380	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
379	Observation of $D^0 \rightarrow K^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$ decays and a measurement of the D^0 b baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
378	Measurement of the properties of the D^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	15
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362	Search for B ⁺ c decays to the pp ⁺ π ⁻ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
361	Observation of the B ⁰ → π ⁰ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
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355	Precision measurement of CP violation in B(S)(0) → K ⁺ K ⁻ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53

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329	Observation of the $B(s)^0 \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
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320	Measurement of the exclusive π^0 production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
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312	Measurement of forward $Z \rightarrow e^+ e^-$ production at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
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310	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
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290	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{S}}^0 \pi^0)$ and $(K_{\text{S}}^0 \pi^+ \pi^-)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
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284	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{*0} \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
283	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42

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269	Observation of photon polarization in the $b \rightarrow s \gamma$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
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265	Measurement of CP violation parameters in $B^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11

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256	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
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254	Search for Majorana neutrinos in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
253	Measurement of the $B \rightarrow \pi^0$ meson lifetime in $D_s \rightarrow \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
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248	Dalitz plot analysis of $B_s^0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
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242	Measurement of CP violation in $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
241	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
240	Observation of $B(s)(0) \rightarrow \rho/\omega f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
239	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
238	Studies of beauty baryon decays to $D^0 \phi$ and $D^+ h$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
237	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
236	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
235	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
234	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
233	First observations of the rare decays $B^+ \rightarrow K^+ \pi^0 \pi^0$ and $B^+ \rightarrow K^+ \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
232	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2(1P))$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
231	Measurement of the CKM angle Γ using $B^0 \rightarrow D^+ K^-$ with $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
230	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
229	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

228	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
227	A study of CP violation in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ decays with $D \rightarrow K^0 \pi^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
226	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
225	Neutrino factory. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17,		7
224	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \bar{e}^+ \pi^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
223	Search for CP violation in $D \rightarrow \bar{e}^+ \pi^-$ and $(D_s^{*+} \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
222	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
221	Production of J/ψ and (Υ) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
220	Measurement of the $B^0 \rightarrow e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22
219	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
218	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
217	Measurement of CP observables in $B^0 \rightarrow DK^0$ with $D \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
216	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
215	Differential branching fraction and angular analysis of the $B \rightarrow \bar{K}^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
214	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
213	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
212	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
211	Performance of the LHCb RICH detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2431	4.2	275

210	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
209	Search for $D(s)+\pi\pi$ and $D(s)+\pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
208	Model-independent search for CP violation in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4.2	19
207	Measurement of the time-dependent CP asymmetry in $B^0\rightarrow\pi^0\pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
206	A precision measurement of charm dimuon production in neutrino interactions from the NOMAD experiment. <i>Nuclear Physics B</i> , 2013 , 876, 339-375	2.8	37
205	Branching fraction and CP asymmetry of the decays $B^+\rightarrow\pi^0\pi^0$ and $B^+\rightarrow\pi^0\pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
204	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
203	Study of $B_{(s)}^0\rightarrow K_{\mathrm{S}}^0\{h^+\}\{h^{\prime -}\}$ decays with first observation of $B_s^0\rightarrow K_{\mathrm{S}}^0\{K^{\pm}\}\{\pi^{\mp}\}$ and $B_s^0\rightarrow K_{\mathrm{S}}^0\{\pi^+\}\{\pi^-\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
202	Measurement of the relative rate of prompt Ξ^0 , Ξ^1 and Ξ^2 production at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
201	First evidence for the two-body charmless baryonic decay $\{B^0\}\rightarrow\overline{p}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
200	Study of D J meson decays to $D+\pi^0\pi^0$ and $D^*+\pi$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
199	First observation of the decay ($B_c^+\rightarrow\{J\left/\{\psi\{K^+\}\}\right.\}$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
198	Searches for ($B_{(s)}^0\rightarrow\{J\left/\{\psi\{p\}\}\right.\}\overline{p}$) and $B^+\rightarrow\pi^0\overline{p}$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
197	Differential branching fraction and angular analysis of the decay $B^0\rightarrow\pi^0\pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
196	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
195	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
194	Observation of $B^0\rightarrow\pi^0\pi^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
193	Search for the doubly charmed baryon (Ξ_{cc}^+). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41

192	Measurement of ρ / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
191	Observation of the decay $(B_c^{+}) \rightarrow D/K + K/\pi$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
190	Characterisation of the muon beams for the Muon Ionisation Cooling Experiment. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	15
189	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
188	First evidence for the decay $B(s)(0) \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
187	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
186	Search for the rare decay $(K_{\mathrm{S}}^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
185	A study of the Z production cross-section in pp collisions at $(\sqrt{s}=7, \mathrm{TeV})$ using tau final states. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
184	Measurement of the ratio of branching fractions $B(B \rightarrow K^0)/B(B_s \rightarrow K^0)$ and the direct CP asymmetry in $B \rightarrow K^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
183	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
182	Prompt charm production in pp collisions at $\sqrt{s}=7$. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
181	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
180	Measurement of the CKM angle Γ from a combination of $B \rightarrow D^h$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
179	Measurement of the $B^0 \rightarrow D^0$ oscillation frequency Γ_{D} with the decays $B^0 \rightarrow D^0 \pi^0$ and $B^0 \rightarrow D^0 \pi^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
178	Search for direct CP violation in $B \rightarrow D^h \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
177	Measurements of the $B^0 \rightarrow D^h$ 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
176	Observation of the decay $B_s^0 \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
175	Search for the rare decay $D^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23

174	Evidence for the decay $B^0 \rightarrow \mu^+ \mu^-$ and measurement of the relative branching fractions of B^0 meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
173	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
172	Observation of Λ_b . <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
171	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
170	Observations of Λ_b . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
169	Measurement of the Λ_b . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
168	Precision measurement of the B^0 oscillation frequency with the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
167	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
166	Search for the lepton-flavor-violating decays $B(s) \rightarrow e^+ \mu^- \nu$ and $B \rightarrow e^+ \mu^- \nu$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
165	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
164	Measurement of CP violation and the B^0 meson decay width difference with $B^0 \rightarrow \mu^+ \mu^- K$ and $B^0 \rightarrow \mu^+ \mu^- \pi$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
163	Measurement of D^0 - \bar{D}^0 mixing parameters and search for CP violation using $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
162	First observations of $B^0 \rightarrow \mu^+ \mu^- D_s^+ D_s^-$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
161	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
160	Measurement of the CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
159	First measurement of the CP-violating phase in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
158	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
157	Measurement of the branching fractions of the decays $B^0 \rightarrow \mu^+ \mu^- K^0$ and $B^0 \rightarrow \mu^+ \mu^- K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	16

156	Analysis of the resonant components in $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
155	Observation of the decay $B(c)(+) \rightarrow B(s)(0) \pi$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
154	Search for the decay $Bs^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
153	High intensity neutrino oscillation facilities in Europe. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013 , 16,		24
152	Measurement of the polarization amplitudes in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
151	Measurement of CP violation in the phase space of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ K ⁺ K ⁻ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
150	Observation of the decay $Bc^+ \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
149	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
148	Observation of $Bc^+ \rightarrow \pi^0 \pi^0$ and $Bc^+ \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
147	Study of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
146	Neutrino factory near detector. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013 , 16,		3
145	Measurement of the CP asymmetry in $B(0) \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
144	Studies of the decays $B^+ \rightarrow \pi^0 \pi^0$ and observation of $B^+ \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
143	Observation of a resonance in $B^+ \rightarrow \pi^0 \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
142	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
141	First observation of the decay $Bs^{2*}(5840)(0) \rightarrow B^* + K^-$ and studies of excited $Bs(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
140	First observation of $B^0 \rightarrow \pi^0 \pi^0$ and search for $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
139	Toroidal magnetized iron neutrino detector for a neutrino factory. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013 , 16,		5

138	Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
137	Search for rare $B(0) \rightarrow (\pi^+ \pi^-) (\pi^+ \pi^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
136	Status of a MIND type Neutrino Factory Far Detector. <i>Journal of Physics: Conference Series</i> , 2013 , 408, 012075	0.3	1
135	The MICE luminosity monitor. <i>Journal of Physics: Conference Series</i> , 2013 , 408, 012084	0.3	
134	A search for single photon events in neutrino interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 706, 268-275	4.2	22
133	Observation of Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
132	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
131	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
130	Search for the rare decays $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
129	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
128	First observation of the decay $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
127	Measurement of the $B_s(0) \rightarrow B^0$ oscillation frequency Δm_s in $B_s(0) \rightarrow B^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
126	Observation of CP violation in $B \rightarrow \pi^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
125	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
124	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
123	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
122	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
121	Measurement of the $B \rightarrow \pi$ 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

120	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^+ \mu^- K^+ \mu^-$ and $B_s^0 \rightarrow D_s^+ \pi^- K^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
119	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	86
118	Measurement of the isospin asymmetry in $B \rightarrow K^* \pi \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
117	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
116	Study of $D_s J$ decays to $\{D^+ K_{\text{S}}^0\}$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
115	Measurement of the fraction of $\Lambda(1520)$ originating from $B(1P)$ decays in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
114	First observation of the decay $B \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
113	Evidence for CP violation in time-integrated $D^0 \rightarrow \pi^+ \pi^-$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
112	Measurements of the branching fractions and CP asymmetries of $B \rightarrow \pi^+ \pi^-$ and $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
111	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
110	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^+ K^-)/B(B^0 \rightarrow \pi^+ \pi^-)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
109	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
108	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
107	Measurement of the α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
106	Measurement of the α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
105	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
104	Measurement of the CP-violating phase α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
103	Measurement of the cross-section ratio $\sigma(B \rightarrow \pi^+ \pi^-)/\sigma(B \rightarrow \pi^0 \pi^0)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41

102	Measurement of (2) meson production in collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
101	Measurement of relative branching fractions of decays to (2) and 1 mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
100	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
99	Measurement of the effective α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
98	A model-independent Dalitz plot analysis of $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
97	Measurement of the ratio of prompt B to total B . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
96	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
95	Inclusive W and Z production in the forward region at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
94	First observation of the decay $B(c) \rightarrow e^+ \mu^- \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
93	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
92	Measurement of the $B_s(0)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
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