

Lars Eklund

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.

639
papers

19,588
citations

63
h-index

114
g-index

669
ext. papers

23,961
ext. citations

5.1
avg, IF

4.01
L-index

#	Paper	IF	Citations
639	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
638	Measurement of the B_{s0} decay properties and search for the B_{0} and B_{s0} decays. <i>Physical Review D</i> , 2022 , 105,	4.9	1
637	Search for the radiative $\chi_{b^{\prime}}$ decay. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
636	Precise determination of the B_{charm}^0 oscillation frequency. <i>Nature Physics</i> , 2022 , 18, 1-5	16.2	0
635	Measurement of the W boson mass. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
634	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
633	Measurement of $\bar{\Lambda}(3872)$ 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
632	Evidence for a New Structure in the J/ψ and $J/\psi[\text{over } \chi]$ Systems in B_{charm}^0 Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
631	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , 2022 , 17, P02028	1	0
630	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	0
629	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
628	Observation of Two New Excited $\chi_{b^{\prime}}$ States Decaying to $\chi_{b^{\prime}} K^{\prime}$.. <i>Physical Review Letters</i> , 2022 , 128, 162001	7.4	0
627	Angular analysis of the rare decay $(B_{\text{charm}}^0) \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
626	First measurement of the (C)P-violating phase in $(B_{\text{charm}}^0 \rightarrow J/\psi) (\rightarrow) (e^+ e^-)(\phi)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
625	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
624	Branching Fraction Measurements of the Rare $B_{\text{charm}}^0 \rightarrow \mu^+ \mu^-$ and $B_{\text{charm}}^0 \rightarrow \mu^+ \mu^- (1525)$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
623	Observation of a $(\lambda_{b^{\prime}}) (\overline{\lambda}_{b^{\prime}})$ 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

622	Observation of a New Excited $D_{s^*}^+$ Meson in $B^0 \rightarrow D^{*-} D^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
621	Observation of Multiplicity Dependent Prompt $c(3872)$ and $\psi(2S)$ Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
620	Measurement of the CKM angle $\Delta\arg(B_{s^*}^0 \rightarrow D_{s^*}^{\pm} h^{\pm} \pi^{\pm} \pi^{\mp})$ 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
619	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
618	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
617	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
616	Measurement of CP Violation in the Decay $B^+ \rightarrow K^+ \pi^0$. <i>Physical Review Letters</i> , 2021 , 126, 091802	7.4	1
615	Observation of CP violation in two-body ($B_{(s)}^0 \rightarrow \text{charged pions and kaons}$). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
614	Measurement of CP observables in $B_{\text{had}}^0 \rightarrow D^{*0} K_{\text{had}}^0$ and $B_{\text{had}}^0 \rightarrow D^{*0} \pi_{\text{had}}^0$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
613	Search for the rare decay $B^0 \rightarrow J/\psi^* \pi^0$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
612	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
611	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
610	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
609	Observation of the decay ($\Lambda_{\text{b}}^0 \rightarrow p \pi^-$). <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
608	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
607	Angular analysis of ($B^0 \rightarrow D^{\text{ast} \pm} D_{s^*}^{\text{ast} \pm}$) with ($D_{s^*}^{\text{ast} \pm} \rightarrow D_{s^*}^{\pm} \gamma$) decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
606	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
605	Observation of a new B^0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4

604	Study of $(\mathrm{B}_{\mathrm{s}}^0 \rightarrow \mathrm{J}/\psi + \mathrm{K}^0)$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
603	First Observation of the Decay $\mathrm{B}_{\mathrm{s}}^0 \rightarrow \mathrm{K}^+ \pi^- \pi^0$ and a Measurement of $ V_{\mathrm{ub}} / V_{\mathrm{cb}} $. <i>Physical Review Letters</i> , 2021 , 126, 081804	7.4	7
602	Measurement of differential $(\overline{\mathrm{b}})$ - and $(\overline{\mathrm{c}})$ -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
601	Measurement of the CKM angle $\phi_{\mathrm{in}} \mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{K}^0 \pi^0$ and $\mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{K}^0 \pi^0$ decays with $\mathrm{D} \rightarrow \mathrm{K}^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
600	Search for long-lived particles decaying to $(e^+ \mu^-) (\mu^+ \mu^-) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
599	Observation of new excited $\mathrm{B}_{\mathrm{s}}^0$ states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
598	Precise measurement of the $f_{\mathrm{s}}/f_{\mathrm{d}}$ ratio of fragmentation fractions and of $\mathrm{B}_{\mathrm{s}}^0$ decay branching fractions. <i>Physical Review D</i> , 2021 , 104,	4.9	6
597	Observation of New Resonances Decaying to $\mathrm{J}/\psi + \pi^0$ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
596	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
595	Search for CP violation in $\mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{K}^0 \pi^0$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
594	Simulation and Optimization Studies of the LHCb Beetle Readout ASIC and Machine Learning Approach for Pulse Shape Reconstruction. <i>Sensors</i> , 2021 , 21,	3.8	1
593	Search for the doubly heavy baryons Ξ_{cc} and Ξ_{bb} decaying to $\mathrm{K}^+ \pi^-$ and $\mathrm{K}^0 \pi^0$. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
592	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2021 , 127, 111801	7.4	0
591	Readout firmware of the Vertex Locator for LHCb Run 3 and beyond. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 1-1	1.7	
590	Simultaneous determination of CKM angle ϕ_{d} and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
589	Search for the doubly charmed baryon Ξ_{cc}^+ in the $\Xi_{\mathrm{cc}}^+ \rightarrow \pi^+ \pi^0 \pi^0$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
588	Updated search for $\mathrm{B}_{\mathrm{c}}^+$ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	
587	Study of the lineshape of the $\overline{\mathrm{B}}_1(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18

586	Amplitude analysis of the $B^+ \rightarrow D^+ D_s^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
585	Constraints on the $K_{S^0} \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
584	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
583	Search for the Rare Decays $B_{S^0} \rightarrow \bar{e}^+ e^-$ and $B^0 \rightarrow \bar{e}^+ e^-$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
582	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
581	Measurement of the branching fraction of the decay $B_s^0 \rightarrow K^0 K^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
580	First observation of the decay $B^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
579	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
578	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
577	Observation of New Σ_c^0 Baryons Decaying to $\Sigma_c^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
576	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. <i>Physical Review Letters</i> , 2020 , 124, 161802	7.4	4
575	First Observation of Excited Σ_b^+ States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
574	Measurement of the $(\Lambda_b^0) \rightarrow f_1/\Lambda$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
573	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
572	Measurement of CP observables in $B_{\pi} \rightarrow f D K_{\pi}$ and $B_{\pi} \rightarrow f D_{\pi}$ with $D \rightarrow f(K_{S^0} K^{\pm} \pi^{\mp})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
571	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
570	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
569	Determination of quantum numbers for several excited charmed mesons observed in $B \rightarrow D^* \pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8

568	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
567	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
566	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^{(*)} \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
565	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
564	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s} = 13)$ (, TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
563	Search for CP violation in $(\chi^0 \rightarrow p \bar{K}^+ \pi^-)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
562	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_\mu$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
561	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
560	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
559	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using (B_{s2}^0) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
558	Observation of a new baryon state in the $(\Lambda_{\text{b}}^0 \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
557	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
556	Search for the doubly heavy (χ_{bc}^0) baryon via decays to $D^0 p K^0$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
555	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
554	Search for the doubly charmed baryon (χ_{cc}^+) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
553	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 212001	7.4	1
552	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
551	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

550	Isospin Amplitudes in $B^0 \rightarrow \rho^0 \pi^0$ and $B^0 \rightarrow \rho^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
549	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
548	Study of the $\rho(3823)$ and $\rho(3872)$ states in $B^+ \rightarrow \rho^0 K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
547	Search for CP violation and observation of P violation in $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
546	Search for $A^{\prime} \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
545	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
544	Measurement of the relative $B \rightarrow D^0/D^{*0}$ branching fractions using B mesons from $B \rightarrow D^*0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
543	Measurement of CP observables in the process $B^0 \rightarrow \rho^0 K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
542	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_{\mu})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
541	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow \rho^0 \pi^0$ 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
540	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
539	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
538	Search for CP Violation in $D_{s1}^+ \rightarrow K_{S1}^0 \pi^+$, $D^+ \rightarrow K_{S1}^0 K^+$, and $D^+ \rightarrow \rho^0 \pi^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
537	Observation of $B_{(s)}^0 \rightarrow \rho^0 \pi^0$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
536	Measurement of B^+ , B^0 and B^0 production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
535	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
534	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
533	Observation of an Excited B_{c}^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18

532	Search for Lepton-Universality Violation in $B^{+} \rightarrow R^{+} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
531	Observation of the doubly Cabibbo-suppressed decay $B_c^{-} \rightarrow c^{-} \bar{p}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
530	Model-Independent Observation of Exotic Contributions to $B^{(0)} \rightarrow \ell \bar{R}^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
529	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
528	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
527	Measurement of the mass and production rate of B baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
526	Study of the $B^0 \rightarrow \rho(770)^0 K^{*(892)0}$ decay with an amplitude analysis of $B^0 \rightarrow \rho(K^+)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
525	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \rho(2S) \bar{D}$ and $B^0 \rightarrow \rho \bar{D}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
524	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
523	Amplitude analysis of $B^0 \rightarrow \rho^0 K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
522	First Observation of the Radiative Decay $B^0 \rightarrow \gamma \rho^0$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
521	Measurement of the branching fraction and (C)P asymmetry in $(\{B^+\} \rightarrow \{J/\psi\} \{\rho^+\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
520	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
519	Near-threshold ($\overline{D} D$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
518	Amplitude analysis of the $(B_{(s)}^0 \rightarrow K^{\ast 0} \overline{K}^{\ast 0})$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^{\ast 0} \overline{K}^{\ast 0})$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
517	Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
516	Updated measurement of time-dependent (CP)-violating observables in $(\{B^0_{(s)}\} \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
515	Measurements of CP asymmetries in charmless four-body $(\{\varLambda^0_{(b)}\})$ and $(\{\varXi^0_{(b)}\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6

514	Prompt \bar{c} production in pPb collisions at ($\sqrt{s_{\text{NN}}}$)=5.02) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	10
513	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
512	A search for (Ξ_{cc}^{++})- \bar{D} +pK $^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
511	Measurement of CP violation in the ($B_s^0 \rightarrow \phi \phi$) 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
510	Measurement of the Bc meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4-9	4
509	Search for the Lepton-Flavor-Violating Decays $B_{\text{s}}^0 \rightarrow \mu^{\pm} \tau^{\mp}$ and $B^0 \rightarrow \mu^{\pm} \tau^{\mp}$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7-4	13
508	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^{\pm} e^{\mp}$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7-4	8
507	Measurement of CP-Violating and Mixing-Induced Observables in $B_{\text{s}}^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7-4	2
506	Amplitude Analysis of $B^{\pm} \rightarrow \mu^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7-4	14
505	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
504	Observation of Two Resonances in the $\bar{B}^0 \rightarrow \mu^{\pm} \mu^{\mp}$ Systems and Precise Measurement of $\bar{B}^0 \rightarrow \mu^{\pm} \mu^{\mp}$ and $\bar{B}^0 \rightarrow \mu^{\pm} \mu^{\mp}$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7-4	29
503	Search for excited B + c states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
502	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7-4	75
501	First observation of forward Z-bb 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
500	Measurement of CP observables in $B^{\pm} \rightarrow \mu^{\pm} K^{\pm}$ and $B^{\pm} \rightarrow \mu^{\pm} \pi^{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4-2	10
499	Measurement of CP asymmetry in $B_0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
498	Search for the lepton-flavour violating decays $B_0 \rightarrow \mu^{\pm} \tau^{\mp}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15
497	First measurement of the CP-violating phase ($\phi_{\text{s}}^{\text{doverline{d}}}$) in $B_0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6

496	Radiation Damage Effects and Operation of the LHCb Vertex Locator. <i>IEEE Transactions on Nuclear Science</i> , 2018 , 65, 1127-1132	1.7	1
495	Test of lepton flavor universality by the measurement of the $B_0 \rightarrow D^{*0} \mu^+ \mu^-$ branching fraction using three-prong μ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
494	Measurement of the Ratio of the $B^+ \rightarrow D^{*0} \mu^+ \mu^-$ and $B^0 \rightarrow D^{*0} \mu^+ \mu^-$ Branching Fractions Using Three-Prong μ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
493	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \mu^+ \mu^-) / B(B_{c^+} \rightarrow \mu^+ \mu^-)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
492	Search for B_{c^+} decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
491	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
490	Measurement of branching fractions of charmless four-body $B \rightarrow b$ and $B \rightarrow b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
489	Observation of the decay $B_0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
488	Observation of a New Ξ_{bb}^0 Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
487	Evidence for the Rare Decay $B_{c^+} \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
486	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
485	Study of γ 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
484	Mapping the material in the LHCb vertex locator using secondary hadronic interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P06008-P06008	1	10
483	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
482	Search for CP violation in $B_0 \rightarrow \mu^+ K^-$ and $B_0 \rightarrow \mu^- K^+$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
481	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
480	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
479	Observation of the decay $B_{s^0} \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6

478	Observation of $B_s^0 \rightarrow \mu^+ \mu^-$ and search for $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
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476	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
475	Measurement of τ production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
474	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
473	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+ K^-$) in the τ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
472	Search for a dimuon resonance in the τ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
471	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
470	Angular moments of the decay $\Lambda_b \rightarrow \mu^+ \mu^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
469	Measurement of Z $\rightarrow \mu^+ \mu^-$ production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
468	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
467	Measurement of the CKM angle α using $B^0 \rightarrow D^+ K^-$ with $D \rightarrow \mu^+ \mu^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
466	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
465	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \mu^+ \mu^- K^+ K^-$ and $D^0 \rightarrow \mu^+ \mu^- K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
464	Measurement of the Λ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
463	Evidence for the decay ($B^0 \rightarrow \overline{K}^* \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
462	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
461	Observation of the decay $\Lambda_b \rightarrow \mu^+ \mu^- p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5

460	Measurement of the CP asymmetry in $B_{\text{eff}}^0 \rightarrow D^0$ and $B_{\text{eff}}^0 \rightarrow D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	1
459	Search for CP violation using triple product asymmetries in $B^0 \rightarrow b \rightarrow \text{fb}K_{\text{eff}}^0 \rightarrow B^0 \rightarrow b \rightarrow \text{fb}K_{\text{eff}}^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
458	Updated determination of $D^0 \rightarrow D^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4-9	11
457	Search for the rare decay $B^+ \rightarrow \rho^0 \pi^+$ <i>Physical Review D</i> , 2018 , 97,	4-9	9
456	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4-9	5
455	First observation of $B^+ \rightarrow \rho^0 + s \rightarrow K^+ K^0$ decays and a search for $B^+ \rightarrow \rho^0 + s \rightarrow ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
454	Measurements of the branching fractions of $\Lambda_c^+ \rightarrow \rho^0 \pi^+$, $\Lambda_c^+ \rightarrow \rho^0 K^+$, and $\Lambda_c^+ \rightarrow \rho^0 K^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5-4	8
453	Measurement of CP violation in $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
452	Amplitude Analysis of the Decay $B^0 \rightarrow K_{\text{eff}}^0 \pi^0 \pi^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K_{\text{eff}}^0 \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7-4	7
451	Search for the CP-violating strong decays $\Lambda_c^+ \rightarrow \rho^0 \pi^+$ and $\Lambda_c^+ \rightarrow \rho^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4-2	7
450	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow \rho^0 K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4-2	8
449	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6-2	45
448	Amplitude analysis of $B^+ \rightarrow \rho^0 K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4-9	56
447	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \rho^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7-4	98
446	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7-4	18
445	First Experimental Study of Photon Polarization in Radiative B_{eff}^0 Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7-4	16
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443	Observation of the decay $B_s^0 \rightarrow \rho^0 \pi^0$ and evidence for $B^0 \rightarrow \rho^0 \pi^0$. <i>Physical Review D</i> , 2017 , 95,	4-9	17

442	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
441	Measurement of the phase difference between short- and long-distance amplitudes in the [Formula: see text] decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
440	Study of the D ⁰ p amplitude in $B \rightarrow D^0 p$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
439	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
438	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
437	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
436	Observation of the Decay $B^0 \rightarrow \bar{K}^0 K^0$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
435	Search for long-lived scalar particles in $B \rightarrow K + \text{[unintelligible]}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
434	Study of prompt D ⁰ meson production in pPb collisions at ($\sqrt{s_{\text{NN}}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
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432	Observation of charmless baryonic decays $B(s) \rightarrow \bar{p} p \pi^+ \pi^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
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430	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
429	Observation of $B_c \rightarrow \bar{D}^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
428	Measurements of charm mixing and CP violation using D ⁰ $\rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
427	Measurement of the B _s production asymmetry and the CP asymmetry in B _s $\rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
426	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \bar{K}^0 K^0$ and $B \rightarrow \bar{K}^+ K^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
425	Search for the B _s $\rightarrow \bar{K}^0 K^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1

424	Observation of the decay $B^0 \rightarrow \bar{p}K^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	5
423	Measurement of B_{s^0} and D_{s^0} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7-4	10
422	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7-4	257
421	Measurement of the CP Violation Parameter A_{FB} in $D^0 \rightarrow \bar{K}^+ K^-$ and $D^0 \rightarrow \bar{B}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7-4	11
420	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7-4	13
419	Observation of Five New Narrow χ_{c^0} States Decaying to $\chi_{c^+} K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7-4	154
418	Measurement of CP asymmetries in $D^0 \rightarrow \bar{K}^0 \pi^0$ and $D_s^0 \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4-2	6
417	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
416	Observation of the $B^0 \rightarrow \bar{K}^0 \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4-2	15
415	Measurement of the $B_{s^0} \rightarrow \bar{B}^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \bar{B}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7-4	106
414	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7-4	20
413	Observation of the Decays $\Xi_b^0 \rightarrow \bar{\Xi}^0 p K^-$ and $\Xi_b^0 \rightarrow \bar{\Xi}^0 \pi^0 K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7-4	22
412	Observation of the $B^+ \rightarrow D^* K^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4-9	2
411	Search for the Decays $B_{s^0} \rightarrow \bar{B}^+ \pi^-$ and $B^0 \rightarrow \bar{B}^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7-4	40
410	Measurement of the shape of the $B^0 \rightarrow \bar{K}^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4-9	23
409	Observation of the suppressed decay $B^0 \rightarrow \bar{p} \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	10
408	Test of lepton universality with $B^0 \rightarrow \bar{K}^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	298
407	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $\chi_{c1,c2} \rightarrow \bar{B}^0 \pi^+$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7-4	8

406	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
405	Search for Baryon-Number Violating ΔB^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
404	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
403	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
402	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
401	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+\pi^-\pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7
400	Evidence for the two-body charmless baryonic decay $(\Lambda^+ \rightarrow p \overline{\Lambda^0})$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
399	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \overline{p}$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
398	Resonances and CP violation in B^0_s and $(\overline{B^0_s} \rightarrow J/\psi K^+K^-)$ decays in the mass region above the $\chi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
397	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
396	Measurement of CP observables in $B^0 \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
395	Measurement of B^0, B_s^0, B^+ and $\overline{B^0}$ 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
394	Measurement of CP violation in $B^0 \rightarrow J/\psi K_S^0$ and $B^0 \rightarrow \psi(2S)K_S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
393	First Observation of a Baryonic B_{s^0} Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
392	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
391	Updated branching fraction measurements of $B(s) \rightarrow f K_S^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
390	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
389	Observation of the decay $B_s^0 \rightarrow \tau^+ \nu_\tau$ and evidence for $B_s^0 \rightarrow \tau^+ \nu_\tau \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6

388	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
387	Measurement of the B_{Ξ} 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
386	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
385	High speed electrical transmission line design and characterization. <i>Journal of Instrumentation</i> , 2017 , 12, C02002-C02002	1	1
384	Physics benchmarks of the VELO upgrade. <i>Journal of Instrumentation</i> , 2016 , 11, C12066-C12066	1	1
383	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
382	Model-Independent Evidence for J/ψ Contributions to $\overline{B}^0-\psi/BK^{\{-}}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7-4	85
381	Evidence for Exotic Hadron Contributions to $\overline{B}^0-\psi/B\overline{B}^{\{-}}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7-4	91
380	Studies of the resonance structure in $D^0\text{-}K_S^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4-9	13
379	Measurement of the mass and lifetime of the Ξ baryon. <i>Physical Review D</i> , 2016 , 93,	4-9	6
378	First Observation of $D^{\{0\}}-D_{\overline{\{0\}}}$ Oscillations in $D^{\{0\}}-K^{\{+\}}\overline{K}^{\{-}\}$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7-4	16
377	First observation of the rare $B^+\text{-}D^+K^+\Xi$ decay. <i>Physical Review D</i> , 2016 , 93,	4-9	3
376	Measurement of the $B_{s^0}\text{-}D_s^{\{*\}}+D_s^{\{*\}}\Xi$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4-9	3
375	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0\text{-}D^+K^+\Xi$ decays. <i>Physical Review D</i> , 2016 , 93,	4-9	6
374	Observation of $B_{\{s\}^0}\text{-}D_{\overline{\{s\}^0}}K_{\{S\}^0}$ and Evidence for $B_{\{s\}^0}\text{-}D_{\overline{\{s\}^0}}K_{\{*\}^0}K_{\{S\}^0}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7-4	5
373	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^{\{0\}}\text{-}K^{\{-}\}K^{\{+\}}$ and $D^{\{0\}}\text{-}B^{\{-}\}B^{\{+\}}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7-4	25
372	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
371	Search for Structure in the $B_{\{s\}^0}\Xi$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7-4	64

370	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^* K^0$ in the $K^* K^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
369	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0$ and $D^0 K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
368	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
367	Study of (ρS) 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
366	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	11
365	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
364	First observation of the decay $B^0 \rightarrow K^* K^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
363	Observation of the $B^0 \rightarrow K^* K^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
362	First observation of the decay $D^0 \rightarrow K^* K^0$ in the $K^* K^0$ 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
361	Angular analysis of the $B^0 \rightarrow K^* K^0$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
360	Measurements of prompt charm production cross-sections in pp collisions at $(\sqrt{s} = 13)$ TeV 2016 , 2016, 1		2
359	Measurements of the S-wave fraction in $B^0 \rightarrow K^* K^0$ decays and the $B^0 \rightarrow K^* K^0$ differential branching fraction 2016 , 2016, 1		2
358	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
357	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
356	Observations of $D^0 \rightarrow K^* K^0$ and $D^0 \rightarrow K^* K^0$ decays and searches for other D^0 and D^0 decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
355	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
354	Observation of $D^0 \rightarrow K^* K^0$ and $D^0 \rightarrow K^* K^0$ decays and a measurement of the D^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
353	Measurement of the properties of the Λ^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	15

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351	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^*0$ with $D \rightarrow K^*0 \rightarrow \pi\pi$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
350	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
349	Measurement of the ratio of branching fractions ($\frac{\text{Br}(B \rightarrow K^* \psi^+ \psi^-)}{\text{Br}(B \rightarrow K^* \psi^+ \psi^-)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
348	Measurement of forward $W \rightarrow e\mu$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
347	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
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344	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
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342	Study of B_c^+ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow \pi^+ \pi^0$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
341	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
340	Measurement of the B_s^0 lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4.2	4
339	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
338	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow DK^*0$ decays with $D \rightarrow K^*0 \rightarrow \pi^+ \pi^-$ and $K^*0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
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334	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
333	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
332	Measurement of CP observables in $B^{\pm} \rightarrow fDK^{\pm}$ and $B^{\pm} \rightarrow fD^{\pm}$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 117-131	4.2	16
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329	Measurement of the semileptonic CP asymmetry in B^0 - B^0 mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
328	Precision measurement of CP violation in $B(S)(0) \rightarrow \ell^+ \ell^- K^+$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
327	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
326	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
325	Search for CP violation in $D^0 \rightarrow \pi^0$ 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
324	Study of π^0 mixing from measurement of $B(s) \rightarrow \ell^+ \ell^- \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
323	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
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316	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	7.4	16
315	Evidence for the Strangeness-Changing Weak Decay $\Xi\{b\}^{\{-\}}\text{-}\Xi\{b\}^{\{0\}}\Xi\{-\}$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
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313	Quantum numbers of the X(3872) state and orbital angular momentum in its DJ/ψ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
312	Amplitude analysis of $B^0\text{-}D^0K^+\Xi\{b\}^{\{0\}}$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
311	Dalitz plot analysis of $B^0\text{-}D^0K^+\Xi\{b\}^{\{0\}}$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
310	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
309	Measurement of the branching fraction ratio $B(Bc^+\text{-}\Xi\{b\}^{\{0\}})/B(Bc^+\text{-}\Xi\{b\}^{\{0\}})$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
308	Search for the rare decays $B^0\text{-}\Xi\{b\}^{\{0\}}\text{-}K^+\Xi\{b\}^{\{0\}}$ and $Bs^0\text{-}\Xi\{b\}^{\{0\}}\text{-}K^+\Xi\{b\}^{\{0\}}$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
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305	Observation of the $B(s)(0)\text{-}\Xi\{b\}^{\{0\}}$ decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
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302	Search for Hidden-Sector Bosons in $B(0)\text{-}K^*(0)\text{-}K^+\Xi\{b\}^{\{0\}}$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
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297	Measurement of the exclusive J/ψ 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
296	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
295	Forward production of J/ψ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
294	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
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292	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	27
291	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
290	Measurement of CP violation parameters and polarisation fractions in ($B^0 \rightarrow J/\psi \overline{K}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
289	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
288	Differential branching fraction and angular analysis of $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
287	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow J/\psi K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
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285	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
284	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4-2	12
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282	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
281	Angular analysis of the $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20

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274	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
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269	Evidence for the decay $\Lambda_b^0 \rightarrow \Lambda^0 \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
268	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
267	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{charm}}^0 \pi^0)$ and $(K_{\text{charm}}^0 \pi^+ \pi^-)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
266	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
265	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
264	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
263	Angular analysis of charged and neutral $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18

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261	Differential branching fractions and isospin asymmetries of $\text{B} \rightarrow \text{K}^* \text{ } \tau \text{ } \mu$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	142
260	Measurement of CP asymmetry in $\text{D}^0 \rightarrow \text{K}^+ \text{ } \pi^-$ and $\text{D}^0 \rightarrow \text{K}^+ \text{ } \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42
259	Study of (varUpsilon) production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{\text{NN}}}) = 5 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	27
258	Observation of the $\text{D}^0 \rightarrow \text{b} \rightarrow \text{f} \text{ } \tau \text{ } \mu$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
257	Observation of the $\text{B}^0 \rightarrow \text{s} \rightarrow \text{f} \text{ } \text{K}^0 \text{ } \tau \text{ } \mu$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
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254	Measurement of $\text{Upsilon} \text{ } \tau$ production in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$. <i>European Physical Journal C</i> , 2014 , 74,	4-2	23
253	Measurement of the D^0 meson lifetime using $\text{D}^0 \rightarrow \text{K}^+ \text{ } \pi^-$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4-2	32
252	Measurement of D^0 polarisation in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>European Physical Journal C</i> , 2014 , 74, 2872	4-2	35
251	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$ in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4-2	20
250	Search for the decay $\text{B}^0 \rightarrow \text{K}^+ \text{ } \pi^- \text{ } \mu^+ \text{ } \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4-2	8
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242	Measurement of CP violation parameters in $B_0 \rightarrow K^*0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
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237	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D \rightarrow K S_0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
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227	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

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222	Test of lepton universality using $b \rightarrow c \tau \nu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
221	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
220	Measurement of CP violation in $B_s^0 \rightarrow \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
219	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
218	Observation of $B(s)(0) \rightarrow J/\psi f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
217	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
216	Studies of beauty baryon decays to $D^0 p h^0$ and $\Lambda^+ h^0$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
215	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
214	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
213	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
212	Search for CP violation in $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
211	First observations of the rare decays $B \rightarrow K^+ \pi^- \pi^0$ and $B \rightarrow K^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
210	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
209	Measurement of the CKM angle α using $B \rightarrow D K$ with $D \rightarrow K^0 S^0 \rightarrow K^0 S^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19

208	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
207	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
206	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
205	A study of CP violation in $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays with $D^0 \rightarrow K^0 \pi^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
204	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
203	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
202	Search for CP violation in $D^0 \rightarrow \pi^+ \pi^-$ and ($D_s^+ \rightarrow K_S^0 \pi^+$) decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
201	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	48
200	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
199	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
198	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
197	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
196	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^- K^0$ with $D^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
195	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
194	Differential branching fraction and angular analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
193	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
192	Measurement of J/ψ production in pp collisions at ($\sqrt{s}=2.76$; TeV). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	28
191	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17

190	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
189	Search for $D(s)+\bar{K}^0$ and $D(s)+\bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
188	Model-independent search for CP violation in $B \rightarrow \bar{K}^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4.2	19
187	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
186	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow \bar{K}^0 \pi^+$ and $B^+ \rightarrow \bar{K}^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
185	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow \bar{K}^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
184	Study of $B_s^0 \rightarrow K_{\text{charmless}}^0 \{h^+ h^{\prime -}\}$ decays with first observation of $B_s^0 \rightarrow K_{\text{charmless}}^0 \{K^{\pm} \pi^{\mp}\}$ and $B_s^0 \rightarrow K_{\text{charmless}}^0 \{\pi^+ \pi^-\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
183	Measurement of the relative rate of prompt Λ_b^0 , Λ_b^+ and Λ_b^0 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
182	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \bar{p} \pi^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
181	Study of D^* meson decays to $D^* \pi^0$ and $D^* \pi^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
180	First observation of the decay $(B_c^+ \rightarrow \{J/\psi K^+\} \bar{p})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
179	Searches for $(B_c^+ \rightarrow \{J/\psi \bar{p}\} \bar{p})$ and $B_c^+ \rightarrow \bar{p} \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
178	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \bar{K}^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
177	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
176	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
175	Observation of $B^0 \rightarrow \bar{B}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
174	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
173	Measurement of Λ_b^0 polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87

172	Observation of the decay $(B_c^{+}) \rightarrow J/\psi + K^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
171	First observation of the decay $(B_s^0 \rightarrow \overline{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
170	First evidence for the decay $B(s)0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
169	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
168	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
167	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
166	Measurement of the ratio of branching fractions $B(B \rightarrow K^0)/B(B \rightarrow \pi^0)$ and the direct CP asymmetry in $B \rightarrow K^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
165	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
164	Prompt charm production in pp collisions at $\sqrt{s}=7$. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
163	Observation of the suppressed ADS modes $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 44-53	4.2	14
162	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
161	Measurement of the B^0 oscillation frequency Δm_d with the decays $B^0 \rightarrow D^* h$ and $B^0 \rightarrow \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
160	Search for direct CP violation in $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
159	Measurements of the $B^0 \rightarrow \pi^0$ 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
158	Observation of the decay $B_s^0 \rightarrow D^* \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
157	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
156	Measurement of the differential branching fraction of the decay $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
155	Scalable passivated (SCP) slim edge technology for silicon sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 731, 260-265	1.2	16

154	Evidence for the decay $B^0 \rightarrow J/\psi \pi^0$ and measurement of the relative branching fractions of B_s^0 meson decays to $J/\psi \pi^0$ and $J/\psi \pi^+$. <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
153	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
152	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
151	Observation of $B^0 \rightarrow \pi^+ \pi^-$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
150	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
149	Characterisation of edgeless technologies for pixellated and strip silicon detectors with a micro-focused X-ray beam. <i>Journal of Instrumentation</i> , 2013 , 8, P01018-P01018	1	5
148	Observations of $B^0 \rightarrow \pi^+ \pi^-$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
147	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
146	Precision measurement of the B_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D^+ D^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
145	Exclusive $J/\psi \pi^0$ 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
144	Search for the lepton-flavor-violating decays $B(s) \rightarrow \ell^+ \ell^- \pi^0$ and $B \rightarrow \ell^+ \ell^- \pi^0$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
143	Precision measurement of the $\Lambda_b(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
142	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \bar{K}^+ K^-$ and $B_s^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
141	Measurement of D^0 - \bar{D}^0 mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
140	First observations of $B^0 \rightarrow D^+ D_s^-$ and $D^0 \rightarrow D^+ D_s^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
139	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b(0)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
138	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
137	First measurement of the CP-violating phase in $B_s(0) \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14

136	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
135	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 K^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
134	Analysis of the resonant components in $B^0 \rightarrow \rho/\omega$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
133	Observation of the decay $B(c)(+) \rightarrow B(s)(0)$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
132	Search for the decay $B_s^0 \rightarrow D^{*0} \eta$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
131	Measurement of the polarization amplitudes in $B^0 \rightarrow \rho/\omega^*(892)0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
130	Measurement of CP violation in the phase space of $B^0 \rightarrow \rho/\omega \pi^0$ and $B^0 \rightarrow \rho/\omega K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
129	Observation of the decay $B_{c^+} \rightarrow \rho/\omega S^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
128	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow \rho^*(0) \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
127	Observation of $B_{c^+} \rightarrow \rho/\omega D_{s^+}$ and $B_{c^+} \rightarrow \rho/\omega D_{s^{*+}}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
126	Study of $B^0 \rightarrow D^{*0} \pi^0$ and $B^0 \rightarrow D^{*0} K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
125	Measurement of the CP asymmetry in $B^0 \rightarrow \rho^*(0) \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
124	Studies of the decays $B^+ \rightarrow \rho/\omega p \pi^+$ and observation of $B^+ \rightarrow \rho(1520) p$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
123	Observation of a resonance in $B^+ \rightarrow \rho/\omega K^+$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
122	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow \rho/\omega K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
121	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
120	First observation of $B^0 \rightarrow \rho/\omega K^0$ and search for $B^0 \rightarrow \rho/\omega$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
119	Measurement of the $B_s(0) \rightarrow \rho/\omega$ branching fraction and search for $B(0) \rightarrow \rho/\omega$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221

118	Search for rare $B(0) \rightarrow (\pi^+ \pi^-) (\pi^+ \pi^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
117	Evaluating the influence of MCM-D post-processing on silicon microstrip sensors. <i>Journal of Instrumentation</i> , 2013 , 8, P08003-P08003	1	1
116	Radiation damage in the LHCb vertex locator. <i>Journal of Instrumentation</i> , 2013 , 8, P08002-P08002	1	14
115	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
114	Observation of $B \rightarrow \pi \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
113	Measurement of the effective $B_{s0} \rightarrow K^+ K^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
112	Measurement of the CP violating phase α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34
111	Search for the rare decays $B \rightarrow \pi \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
110	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
109	First observation of the decay $B \rightarrow \pi \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
108	Measurement of the $B_{s0} \rightarrow B_{s0}^0$ oscillation frequency Δm_s in $B_{s0} \rightarrow D_s(B) \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
107	Observation of CP violation in $B_{\pm} \rightarrow D K_{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
106	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
105	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
104	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
103	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
102	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
101	Measurements of the branching fractions of the decays $B_{s^0} \rightarrow D_{s^0} \pi^+ \pi^-$ and $B_{s^0} \rightarrow D_{s^0} \pi^+ \pi^+$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15

100	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
99	Measurement of the isospin asymmetry in $B \rightarrow K^{(*)} \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
98	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
97	Study of $D_s J$ decays to $\{D^{+}\}K_{\text{mathrm{S}}}^0$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
96	Measurement of the fraction of $\chi(1S)$ originating from $B(1P)$ decays in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
95	First observation of the decay $B \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
94	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
93	Measurements of the branching fractions and CP asymmetries of $B \rightarrow \pi \pi$ and $B \rightarrow \pi K_S$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
92	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
91	Measurement of the ratio of branching fractions $B(B \rightarrow K^* \pi)/B(B \rightarrow \pi \pi)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
90	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
89	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
88	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
87	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
86	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
85	Measurement of the CP-violating phase α_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
84	Measurement of the cross-section ratio $\sigma(B \rightarrow \pi \pi)/\sigma(B \rightarrow \pi K)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
83	Measurement of $(2S)$ meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63

82	Measurement of relative branching fractions of decays to (2) and $/$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
81	Measurement of prompt hadron production ratios in pp collisions at $(\sqrt{s} = 0.9 \text{ TeV})$ and $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
80	Characterisation of Glasgow/CNM Double-Sided 3D Sensors. <i>Physics Procedia</i> , 2012 , 37, 1016-1023		
79	Measurement of the effective lifetime of B_c^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
78	A model-independent Dalitz plot analysis of $B_c^0 \rightarrow \rho^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
77	Measurement of the ratio of prompt B_c^0 to B_c^+ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
76	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
75	The ATLAS SCT grounding and shielding concept and implementation. <i>Journal of Instrumentation</i> , 2012 , 7, P03005-P03005	1	2
74	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
73	First observation of the decay $B_c^+ \rightarrow \rho^0 \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
72	Differential branching fraction and angular analysis of the decay $B_c^0 \rightarrow \rho^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
71	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
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56	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. 2012 , 2012, 1		2
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35	Efficiency measurements for 3D silicon strip detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 623, 180-182 ^{1,2}		
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