

Irina N Nasteva

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.

570 papers	22,286 citations	68 h-index	126 g-index
583 ext. papers	26,484 ext. citations	5.3 avg, IF	6.25 L-index

#	Paper	IF	Citations
570	The HEV Ventilator: at the interface between particle physics and biomedical engineering.. <i>Royal Society Open Science</i> , 2022 , 9, 211519	3.3	0
569	Search for coherent elastic neutrino-nucleus scattering at a nuclear reactor with CONNIE 2019 data. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
568	Low-energy reactor neutrino physics with the CONNIE experiment. <i>Journal of Physics: Conference Series</i> , 2021 , 2156, 012115	0.3	0
567	Study of the lineshape of the $\Xi(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18
566	Amplitude analysis of the $B^+ \rightarrow D^0 K^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
565	Constraints on the $K_S^0 \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
564	Model-Independent Study of Structure in $B^+ \rightarrow D^+ K^0$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
563	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
562	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
561	First observation of the decay $B^0 \rightarrow D^0 K^0$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
560	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
559	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^+ \ell^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
558	Observation of New Ξ_c^0 Baryons Decaying to $\Xi_c^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
557	First Observation of Excited Ξ_b^0 States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
556	Phase I Upgrade of the Readout System of the Vertex Detector at the LHCb Experiment. <i>IEEE Transactions on Nuclear Science</i> , 2020 , 67, 732-739	1.7	4
555	Measurement of the $(\Lambda_b^0) \rightarrow \ell^+ \ell^-$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
554	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

553	Measurement of CP observables in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ with $D \rightarrow \{K\}_{\text{S}}^0 \{K\}^{\pm} \{\pi\}^{\mp}$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
552	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
551	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
550	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
549	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
548	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
547	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
546	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
545	Measurement of the relative branching fractions of $B^+ \rightarrow b^+ h^+ h^-$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
544	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
543	Search for CP violation in $\chi_c^+ \rightarrow p \{K^+ \pi^+\}$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
542	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \nu_\mu$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
541	Measurement of CP violation in $B^0 \rightarrow D^* \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
540	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
539	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu \mu$ using $(B_s^0 \rightarrow \pi^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
538	Observation of a new baryon state in the $(\Lambda_b^0 \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
537	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
536	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

535	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
534	The upgrade I of LHCb VELO towards an intelligent monitoring platform. <i>Journal of Instrumentation</i> , 2020 , 15, C06009-C06009	1	2
533	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
532	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
531	Observation of structure in the J/ψ pair mass spectrum. <i>Science Bulletin</i> , 2020 , 65, 1983-1993	10.6	71
530	Search for light mediators in the low-energy data of the CONNIE reactor neutrino experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
529	Precision measurement of the (B_c^{+}) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
528	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
527	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
526	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
525	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow J/\psi K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
524	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
523	Search for $A^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
522	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
521	Measurement of the relative $B \rightarrow D^0/D^{*0}/D^{**0}$ branching fractions using $B \rightarrow$ mesons from $B \rightarrow K^* D^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
520	Measurement of CP observables in the process $B^0 \rightarrow D^* K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
519	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^- \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
518	Bose-Einstein correlations and bb correlations in pp collisions with LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 347-350	1.3	

517	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow D^{\pm} D^{\mp}$ 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
516	Highlights from the LHCb experiment. <i>Nuclear Physics A</i> , 2019 , 982, 15-21	1.3	
515	Direct photon production at LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 251-254	1.3	4
514	Study of coherent J/ψ production in lead-lead collisions at $\sqrt{s_{NN}}=5\text{TeV}$ with the LHCb experiment. <i>Nuclear Physics A</i> , 2019 , 982, 247-250	1.3	11
513	Observation of the $(\Lambda_b^0 \rightarrow \psi(3872) p) K^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
512	Prompt \bar{B}^+ baryons and D^0 meson production cross-section and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ with the LHCb detector. <i>Nuclear Physics A</i> , 2019 , 982, 683-686	1.3	1
511	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
510	Search for CP Violation in $D_{s1}^+ \rightarrow K_{S1}^0 \pi^+$, $D^+ \rightarrow K_{S1}^0 K^+$, and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
509	Observation of $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
508	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{NN}}=8.16\text{ TeV}$. <i>Physical Review D</i> , 2019 , 99,	4.9	12
507	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
506	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
505	Observation of an Excited B_c^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
504	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
503	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \bar{\nu}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
502	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
501	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
500	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17

499	Measurement of the mass and production rate of Λ baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
498	Measurement of the branching fractions of the decays $D^+ \rightarrow \bar{K}^0 K^+$, $D^+ \rightarrow \bar{K}^* K^+$ and $D^+ \rightarrow \bar{K}^* K^+ + \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
497	Study of the $B^0 \rightarrow \bar{K}^{*0} K^0$ decay with an amplitude analysis of $B^0 \rightarrow \bar{K}^{*0} K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
496	Measurement of the ratio of branching fractions of the decays $\Lambda_b \rightarrow \bar{K}^0 p$ and $\Lambda_b \rightarrow \bar{K}^0 p$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
495	Dalitz plot analysis of the $D^+ \rightarrow \bar{K}^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
494	Precision measurement of the \bar{B}^+ , B^+ , and B^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
493	Amplitude analysis of $B^0 \rightarrow \bar{K}^0 S K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
492	First Observation of the Radiative Decay $\Lambda_b^0 \rightarrow \gamma \Lambda^0$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
491	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
490	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
489	Near-threshold $(\overline{\mathrm{D}} \mathrm{D})$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
488	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
487	Observation of New Resonances in the $\Lambda_b^0 \Lambda^+ \Lambda^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
486	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
485	Measurements of CP asymmetries in charmless four-body (Λ_b^0) and (Ξ_b^0) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
484	Prompt \bar{B}^c production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
483	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
482	A search for $(\Xi_{\mathrm{cc}}^{++}) \rightarrow \bar{D}^0 p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5

481	Measurement of CP violation in the $(\{B\}_s^0 \rightarrow \phi \phi)$ decay and search for the $B_0 - \bar{e}^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
480	Exploring low-energy neutrino physics with the Coherent Neutrino Nucleus Interaction Experiment. <i>Physical Review D</i> , 2019 , 100,	4.9	33
479	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
478	Search for the Lepton-Flavor-Violating Decays $B_{\{s\}^0} - B_{\{d\}^0} \{l\}^+ \{l'\}^-$ and $B^+ - B^0 \{l\}^+ \{l'\}^-$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
477	Search for Lepton-Flavor Violating Decays $B^+ - K^+ \{l\}^+ \{l'\}^-$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
476	Measurement of CP-Violating and Mixing-Induced Observables in $B_{\{s\}^0} - \bar{d}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
475	Amplitude Analysis of $B^+ - B^0 K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
474	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
473	Observation of Two Resonances in the $\{B\}^0 \{B\}^0$ Systems and Precise Measurement of $\{B\}^+ \{B\}^-$ and $\{B\}^+ \{B\}^{*-}$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
472	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
471	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
470	First observation of forward $Z - b\bar{b}$ production in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1
469	Measurement of CP observables in $B^0 - \bar{D}^0 K^0$ and $B^0 - \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
468	A measurement of the CP asymmetry difference between $\{B\}^+ \rightarrow \phi K^0$ and $\{B\}^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
467	Measurement of CP asymmetry in $B_0 \rightarrow \phi \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
466	Search for the lepton-flavour violating decays $B_0 \rightarrow (s) - e \mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
465	First measurement of the CP-violating phase $(\phi_s^{\overline{d}})$ in $B_0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
464	Test of lepton flavor universality by the measurement of the $B_0 - \bar{D}^0$ branching fraction using three-prong $\{B\}^0$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106

463	Measurement of the Ratio of the $B^0 \rightarrow D^{*-} \ell^+ \bar{\nu}_\ell$ and $B^0 \rightarrow D^{*-} \ell^+ \nu_\ell$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
462	Measurement of the Ratio of Branching Fractions $B(B_{c1}^+ \rightarrow \ell^+ \nu_\ell)/B(B_c^+ \rightarrow \ell^+ \nu_\ell)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
461	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
460	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
459	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
458	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
457	Observation of a New χ_{b1} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
456	Evidence for the Rare Decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
455	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
454	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
453	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
452	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
451	Search for CP violation in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
450	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
449	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
448	Observation of the decay $B_s^0 \rightarrow D^0 K^0 K^0$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
447	Observation of $B_s^0 \rightarrow D^{*0} \pi^0$ and search for $B^0 \rightarrow D^{*0} \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
446	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

445	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
444	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
443	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
442	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
441	Search for a dimuon resonance in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
440	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
439	Angular moments of the decay $\Lambda_b \rightarrow \Lambda \pi$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
438	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
437	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
436	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
435	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
434	Measurement of Angular and CP Asymmetries in $D^{*0} \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ and $D^{*0} \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
433	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
432	Evidence for the decay ($B_s^0 \rightarrow \overline{K}^{\text{ast } 0} \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
431	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
430	Observation of the decay $\Lambda_b \rightarrow (\pi^0 \pi^0) p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
429	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
428	Search for CP violation using triple product asymmetries in $\Lambda_b \rightarrow \phi K^0 \pi^0$ and $\Lambda_b \rightarrow \phi K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7

427	Updated determination of D^0D^0 mixing and CP violation parameters with $D^0 \rightarrow K^+K^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
426	Search for the rare decay $B^+ \rightarrow \rho^0 \pi^+$ <i>Physical Review D</i> , 2018 , 97,	4.9	9
425	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
424	First observation of $B^+ \rightarrow \phi + s \bar{K} K$ decays and a search for $B^+ \rightarrow \phi + s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
423	Measurements of the branching fractions of $\bar{B}^0 \rightarrow \phi \pi^0$, $\bar{B}^0 \rightarrow \phi K^0$, and $\bar{B}^0 \rightarrow \phi K^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
422	Measurement of CP violation in $B^0 \rightarrow \phi \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
421	Amplitude Analysis of the Decay $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^{*0} (892) \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
420	Search for the CP-violating strong decays $B^0 \rightarrow \pi^0 \pi^0$ and $\pi^0 \pi^0 (958) \rightarrow \pi^0 \pi^0$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
419	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow \pi^+ K^0$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
418	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6.2	45
417	Amplitude analysis of $B^+ \rightarrow \pi^0 K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
416	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \pi^0 K^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
415	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
414	First Experimental Study of Photon Polarization in Radiative B_{s^0} Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
413	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
412	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
411	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
410	Measurement of the phase difference between short- and long-distance amplitudes in the $[B \rightarrow \pi \pi]$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25

409	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
408	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
407	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
406	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
405	Observation of the Decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
404	Search for long-lived scalar particles in $B^+ \rightarrow \pi^+ \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
403	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
402	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
401	Observation of charmless baryonic decays $B(s)^0 \rightarrow \pi^+ \pi^- h^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
400	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
399	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
398	Observation of $B_c^+ \rightarrow \pi^+ \pi^0 K^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
397	Measurements of charm mixing and CP violation using $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
396	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
395	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
394	Search for the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
393	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
392	Measurement of B_{s}^0 and D_{s}^0 Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10

391	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
390	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
389	Observation of $B_{c1}^+ \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
388	Observation of Five New Narrow Ξ_{cc}^0 States Decaying to $\Xi_{cc}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
387	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
386	Observation of $\Xi(2S) \rightarrow p \pi$ and search for $X(3872) \rightarrow p \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
385	Observation of the $B_c^0 \rightarrow K^0$ Decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
384	Measurement of the $B_{c1}^0 \rightarrow \pi^+ \pi^-$ 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
383	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
382	Observation of the Decays $\Xi_b^0 \rightarrow \Xi(c1) p K^-$ and $\Xi_b^0 \rightarrow \Xi(c2) p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
381	Observation of the $B^+ \rightarrow D^0 K^+ \pi^0$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
380	Search for the Decays $B_{c1}^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
379	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
378	Observation of the suppressed decay $B \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
377	Test of lepton universality with $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
376	$\Xi(c1)$ and $\Xi(c2)$ Resonance Parameters with the Decays $\Xi(c1, c2) \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
375	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
374	Search for Baryon-Number Violating Ξ_b^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1

373	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
372	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
371	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
370	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
369	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
368	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow \Lambda \bar{\Lambda}$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
367	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
366	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
365	Measurement of CP observables in $B^0 \rightarrow D^+ K^-$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
364	Measurement of B^0 , B_s^0 , B^+ and B^- 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
363	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
362	First Observation of a Baryonic $B_{\{s\}}^0$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
361	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
360	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
359	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
358	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
357	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
356	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

355	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
354	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
353	Model-Independent Evidence for J/ψ Contributions to $\Upsilon(b)^0$ - $d/\bar{p}K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
352	Evidence for Exotic Hadron Contributions to $\Upsilon(b)^0$ - $d/\bar{p}K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
351	Studies of the resonance structure in D^0 - $\bar{K}^{*0}K^{\pm}$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
350	Measurement of the mass and lifetime of the \bar{B} baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
349	First Observation of D^0 - \overline{D}^0 Oscillations in D^0 - $\bar{K}^{*+}\pi^{-}\pi^{+}\pi^{-}$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
348	First observation of the rare $B^{+}\rightarrow K^{+}\pi^{0}$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
347	Measurement of the $B_{s0}\rightarrow D_s^{(*)}+D_s^{(*)}\pi$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
346	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0\rightarrow \pi^0 K^{+}\pi^{-}$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
345	Observation of $B_{\{s\}}^0\rightarrow \pi^0\overline{\{s\}}^0 K_{\{S\}}^{\pm}$ and Evidence for $B_{\{s\}}^0\rightarrow \pi^0\overline{\{s\}}^0 K_{\{S\}}^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
344	Measurement of the Difference of Time-Integrated CP Asymmetries in D^0 - $\bar{K}^{*+}K^{+}$ and D^0 - $\pi^{+}\pi^{+}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25
343	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
342	Search for Structure in the $B_{\{s\}}^0\pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
341	Differential branching fraction and angular moments analysis of the decay $B^0\rightarrow \bar{K}^{*0}\pi^0$ in the $K^{*0,2}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
340	Study of $D^{(*)}+sJ$ mesons decaying to $D^{*}+K^0S$ and D^0K^{*} final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
339	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
338	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10

337	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
336	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
335	First observation of the decay $B^0 \rightarrow K^+ K^- (892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
334	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
333	First observation of the decay $D^0 \rightarrow K^+ K^-$ in the $\pi\pi$ 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
332	Angular analysis of the $B^0 \rightarrow K^+ K^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
331	Charmless b-meson and b-baryon decays at LHCb. <i>Journal of Physics: Conference Series</i> , 2016 , 770, 012016	0-3	
330	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
329	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
328	Observations of $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^-$ decays and searches for other B^0 and B^0 decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
327	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
326	Observation of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ decays and a measurement of the B^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
325	Measurement of the properties of the B^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
324	Production of associated Y and open charm hadrons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	25
323	Measurement of the CKM angle α using $B^0 \rightarrow K^+ K^-$ with $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	6
322	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
321	Measurement of the ratio of branching fractions $(\frac{\text{Br}(B^0 \rightarrow K^+ K^-)}{\text{Br}(B^0 \rightarrow \pi^+ \pi^-)})$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
320	Measurement of forward W and Z production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8

319	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
318	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \pi^+ \pi^- (892)^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
317	Study of the production of Λ and Λ^0 hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
316	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
315	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
314	Study of B_c^+ decays to the $K^+ K^-$ final state and evidence for the decay $B_c^+ \rightarrow B^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
313	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
312	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
311	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
310	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow \pi^+ \pi^- K^0$ decays with $D^0 \rightarrow \pi^+ \pi^-$ and $K^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
309	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
308	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5$ TeV proton-lead collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 473-483	4.2	32
307	Search for B_c^+ decays to the $p \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
306	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
305	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ 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
304	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
303	Determination of $\Gamma_{\text{charmless}}$ from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 741, 1-11	4.2	9
302	Study of the rare B_s^0 and B^0 decays into the $\pi^+ \pi^-$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13

301	Measurement of the semileptonic CP asymmetry in $B^0\text{-}B^0$ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
300	Precision measurement of CP violation in $B(S)(0)\text{-}d/\bar{K}^0$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
299	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
298	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
297	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
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294	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
293	Search for the lepton flavour violating decay $B\rightarrow\mu\tau$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
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291	Measurement of indirect CP asymmetries in $D^0\text{-}\bar{K}^0$ and $D^0\text{-}\bar{K}^0$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
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289	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
288	Measurement of the $[Formula: see text]$ production cross-section in proton-proton collisions via the decay $[Formula: see text]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
287	Study of CP violation in $B^0\text{-}D^0$ ($h=K,\pi$) with the modes $D\text{-}\bar{K}^0$, $D\text{-}\bar{K}^0$ and $D\text{-}\bar{K}^0$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
286	Study of $B\rightarrow K\pi$ and $B\rightarrow K\pi$ decays and determination of the CKM angle α . <i>Physical Review D</i> , 2015 , 92,	4.9	4
285	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	7.4	16
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283	First observation and amplitude analysis of the $B \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
282	Quantum numbers of the X(3872) state and orbital angular momentum in its J/ψ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
281	Amplitude analysis of $B^0 \rightarrow \pi^0 K^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
280	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
279	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
278	Measurement of the branching fraction ratio $B(B_c \rightarrow \pi^0 \pi^0)/B(B_c \rightarrow \pi^0 \pi^+ \pi^-)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
277	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
276	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
275	Measurement of CP Violation in $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
274	Observation of the $B(s)(0) \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
273	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \pi^0 \pi^+ \pi^- p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
272	Measurement of the ratio of branching fractions $B(B \rightarrow \pi^0 \pi^+ \pi^-)/B(B \rightarrow \pi^0 \pi^+ \pi^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
271	Search for Hidden-Sector Bosons in $B(0) \rightarrow \pi^0 \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
270	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	7.4	37
269	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	7.4	305
268	Measurement of CP asymmetries and polarisation fractions in $(\{B\}_s^0 \rightarrow \{K\}^{\ast 0} \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
267	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
266	Search for the $\Lambda_b^0 \rightarrow \pi^0 \pi^0$ and $\Lambda_b^0 \rightarrow \pi^0 \pi^+ \pi^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6

265	Measurement of the exclusive Υ 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
264	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction and search for the decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
263	Forward production of Υ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
262	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
261	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	4
260	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	27
259	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
258	Measurement of CP violation parameters and polarisation fractions in ($\{ \mathrm{B} \}_{\mathrm{s}}^0 \rightarrow \mathrm{J}/\psi \{ \overline{\mathrm{K}} \}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
257	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
256	Differential branching fraction and angular analysis of $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
255	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
254	Search for the decay ($\{B\}_s^0 \rightarrow \{ \overline{D} \}^0 \{ f_0(980) \}$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	10
253	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
252	Observation of the decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4-2	12
251	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	138
250	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
249	Angular analysis of the $B^0 \rightarrow \pi^0 e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20
248	Determination of the branching fractions of $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5

247	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4.2	8
246	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
245	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow \pi^+ \pi^0$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4.2	25
244	Observation of two new $\Lambda(b)^{-}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
243	Measurement of the CP -violating phase $\arg(B^0 \rightarrow \pi^0 \pi^0)$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 38-49	4.2	24
242	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
241	Measurement of the B^0 and B^+ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 154-162	4.2	10
240	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^0 \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
239	Measurement of the CP-violating phase ϕ_s in $B_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
238	Evidence for the decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
237	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
236	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{matrix}}^0 \pi^0)$ and $(K_{\text{matrix}}^0 \pi^+ \pi^-)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{matrix}}^0 \pi^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
235	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
234	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
233	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^{*0} \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
232	Angular analysis of charged and neutral $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
231	Evidence for the decay $(B_c^+ \rightarrow J/\psi \text{ left/ right } \{ \psi(3686) \}^0)$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
230	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{*0} \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142

229	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
228	Study of (φ) 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	27
227	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
226	Observation of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
225	Study of the kinematic dependences of B^0 production in pp collisions and a measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
224	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
223	Measurement of Υ production in $p p$ collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
222	Measurement of the $[B^0]$ meson lifetime using $[B^0]$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4.2	32
221	Measurement of $[B^0]$ polarisation in $[B^0]$ collisions at $[B^0] = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
220	Measurement of charged particle multiplicities and densities in $[B^0]$ collisions at $[B^0]$ TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
219	Search for the decay $\pi^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
218	Search for CP violation in the decay $\pi^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
217	Measurement of the charge asymmetry in $\pi^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
216	Observation of the resonant character of the $Z(4430)^0$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
215	Observation of photon polarization in the $B^0 \rightarrow \pi^+ \pi^-$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
214	Precision measurement of the ratio of the $\pi^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
213	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
212	Measurement of the CP-violating phase ϕ_s in $B_s(0) \rightarrow D_s^+ D_s^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7.4	17

211	Measurement of CP violation parameters in $B^0 \rightarrow K^*0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
210	Measurements of CP violation in the three-body phase space of charmless B^0 decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
209	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83
208	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^*0 \pi^+ \pi^-$ and $B^+ \rightarrow K^+ \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
207	Observation of $B_{s^0} \rightarrow \{K^{*\mp}\} \{K^{\mp}\} \pi^{\pm}$ and evidence for $B_{s^0} \rightarrow \{K^{*-}\} \{ \pi^+ \}$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
206	Measurement of CP violation and constraints on the CKM angle $\sin \theta_B$ with $D^0 \rightarrow K^0 \pi^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
205	Measurement of the $B^0 \rightarrow B^0$ and $B^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
204	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
203	Evidence for CP violation in $B^+ \rightarrow \phi p K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
202	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
201	Measurement of resonant and CP components in $B^0 \rightarrow \phi \pi^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
200	Search for Majorana neutrinos in $B^- \rightarrow \mu^- \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
199	Measurement of the $B^0 \rightarrow \pi^0$ meson lifetime in $D_s^+ \rightarrow \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
198	Measurement of CP violation in the phase space of $B^0 \rightarrow K^+ K^- \pi^0$ and $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
197	Measurement of the resonant and CP components in $B^0 \rightarrow \phi \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
196	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
195	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
194	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70

193	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
192	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
191	Test of lepton universality using $b \rightarrow c \mu \mu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
190	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
189	Measurement of CP violation in $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
188	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
187	Observation of $B(s)(0) \rightarrow \ell^+ \ell^- f_1(1285)$ decays and measurement of the $f_1(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
186	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
185	Studies of beauty baryon decays to $D^0 \pi^0$ and $D^0 \pi^+$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
184	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
183	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
182	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
181	Search for CP violation 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	8
180	First observations of the rare decays $B^+ \rightarrow K^- \pi^+ \pi^+$ and $B^+ \rightarrow \pi^- K^+ \pi^+$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
179	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
178	Measurement of the CKM angle Γ using $B^0 \rightarrow D K^0$ with $D \rightarrow K^0 S \rightarrow K^0 S K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
177	Measurement of CP asymmetry in $B^0 \rightarrow D^+ S^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
176	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

175	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
174	A study of CP violation in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ decays with $D \rightarrow K^0 K^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
173	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
172	Differential branching fraction and angular analysis of the decay $(B_{s^0}^- \rightarrow e^+ \pi^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
171	Search for CP violation in $D \rightarrow e^+ \pi^-$ and $(D_{s^+} \rightarrow K_{S^0} \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
170	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	48
169	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
168	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
167	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
166	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
165	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
164	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
163	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
162	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
161	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
160	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
159	Search for $D(s) \rightarrow \pi^0 \pi^0$ and $D(s) \rightarrow \pi^0 \pi^+$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
158	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

157	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow K_S^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
156	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
155	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 h^+ h^-$ decays with first observation of $B_s^0 \rightarrow K_{\text{charm}}^0 K^{\pm} \pi^{\mp}$ and $B_s^0 \rightarrow K_{\text{charm}}^0 \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
154	Measurement of the relative rate of prompt $\Upsilon(0)$, $\Upsilon(1)$ and $\Upsilon(2)$ production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
153	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \overline{p} \pi^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
152	Study of D^0 meson decays to $D^+ D^-$ and $D^+ D^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
151	First observation of the decay $(B_c^+ \rightarrow J/\psi K^+)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
150	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
149	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
148	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
147	Observation of $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
146	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
145	Measurement of λ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
144	Observation of the decay $(B_c^+ \rightarrow \ell^+ K^0)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
143	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
142	First evidence for the decay $B(s) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
141	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
140	Search for the rare decay $(K_{\text{charm}}^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10

139	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
138	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
137	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
136	Prompt charm production in pp collisions at $\sqrt{s}=7$. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
135	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
134	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
133	Measurement of the $B\rightarrow B^0$ oscillation frequency Γ_{hd} with the decays $B\rightarrow D^*h$ and $B\rightarrow K^*0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
132	Search for direct CP violation in $B\rightarrow K^*0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
131	Measurements of the $B\rightarrow K^*0$ 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
130	Observation of the decay $B\rightarrow D^*0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
129	Search for the rare decay $D\rightarrow K^*0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
128	Measurement of the differential branching fraction of the decay $B\rightarrow K^*0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
127	Evidence for the decay $B\rightarrow K^*0$ and measurement of the relative branching fractions of $B\rightarrow K^*0$ meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
126	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
125	Observation of $B\rightarrow K^*0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
124	Observation of $D\rightarrow D^0$ oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
123	Observations of $B\rightarrow K^*0$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
122	Measurement of the $B\rightarrow K^*0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31

121	Precision measurement of the B_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D_s^- \pi^+$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
120	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
119	Search for the lepton-flavor-violating decays $B(s)0 \rightarrow e^{\pm} \mu^{\mp}$ and $B0 \rightarrow e^{\pm} \mu^{\mp}$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
118	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
117	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \pi^0 K^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
116	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
115	First observations of $B \rightarrow D^* D$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
114	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
113	Measurement of the CP asymmetry in $B(+) \rightarrow K(+) \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
112	First measurement of the CP-violating phase in $B_s(0) \rightarrow \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
111	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
110	Measurement of the branching fractions of the decays $B_s^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
109	Analysis of the resonant components in $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
108	Observation of the decay $B(c)(+) \rightarrow \pi^0(s)(0)$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
107	Search for the decay $B_s^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
106	Measurement of the polarization amplitudes in $B^0 \rightarrow \pi^0 K^*(892)0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
105	Measurement of CP violation in the phase space of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
104	Observation of the decay $B_c^+ \rightarrow \pi^0(s)$. <i>Physical Review D</i> , 2013 , 87,	4.9	28

103	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
102	Observation of $B_c^{+-} \rightarrow d/\bar{d} s^+$ and $B_c^{+-} \rightarrow d/\bar{d} s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
101	Study of $B^0 \rightarrow D^{*+} \pi^-$ and $B^0 \rightarrow D^{*+} K^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
100	Measurement of the CP asymmetry in $B(0) \rightarrow K^{*0} \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
99	Studies of the decays $B^+ \rightarrow \rho^0 \pi^+$ and observation of $B^+ \rightarrow \rho(1520) \pi$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
98	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
97	Amplitude analysis and branching fraction measurement of $B \rightarrow \rho^0 \pi^0 K$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
96	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
95	First observation of $B \rightarrow \rho^0 \pi^0 K$ and search for $B \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
94	Measurement of the $B_s(0) \rightarrow \pi^0 \pi^0$ branching fraction and search for $B(0) \rightarrow \pi^0 \pi^0$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
93	Search for rare $B(0) \rightarrow (s) \ell^+ \ell^- \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
92	Observation of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
91	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
90	Measurement of the CP violating phase . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34
89	Search for the rare decays . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
88	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
87	First observation of the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
86	Measurement of the $B_s(0) \rightarrow B^0$ oscillation frequency Γ_{hs} in $B_s(0) \rightarrow D_s(B) \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42

85	Observation of CP violation in $B^0 \rightarrow \pi^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
84	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
83	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
82	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
81	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
80	Measurement of the B^0 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
79	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
78	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
77	Measurement of the isospin asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
76	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
75	Study of D^0 decays to $D^0 \rightarrow K^0 \pi^0$ and $D^0 \rightarrow K^0 \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
74	Measurement of the fraction of $\Lambda(1520)$ 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
73	First observation of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
72	Evidence for CP violation in time-integrated $D^0 \rightarrow \pi^0 \pi^0$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
71	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
70	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
69	Measurement of the ratio of branching fractions $B(B^0 \rightarrow \pi^0 \pi^0)/B(B^0 \rightarrow \pi^0 \pi^0)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
68	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47

67	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
66	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
65	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
64	Measurement of the polarization amplitudes and triple product asymmetries in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
63	Measurement of the CP-violating phase . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
62	Measurement of the cross-section ratio . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
61	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
60	Measurement of relative branching fractions of decays to (2) and / mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
59	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
58	Measurement of the effective . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
57	A model-independent Dalitz plot analysis of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
56	Measurement of the ratio of prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
55	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
54	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
53	First observation of the decay $B(c)+\bar{e}/\bar{\mu} \rightarrow \bar{e}/\bar{\mu} + \bar{\nu}_e/\bar{\nu}_\mu$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
52	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
51	Measurement of the $B\psi(0)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
50	First observation of the decays $B(0) \rightarrow \bar{D}(+)K(-)\ell(+)\ell(-)$ and $B(-) \rightarrow \bar{D}(0)K(-)\ell(+)\ell(-)$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8

49	Observation of excited $\Lambda(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
48	Analysis of the resonant components in $B_{s0} \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
47	Determination of the sign of the decay width difference in the $B(s)(0)$ system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
46	Measurement of the $B_{s0} \rightarrow \mu^+ \mu^-$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
45	Strong constraints on the rare decays $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B_0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
44	Search for lepton number violating decays $B^+ \rightarrow \mu^+ \mu^- \mu^+$ and $B^+ \rightarrow \mu^- \mu^+ \mu^+$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
43	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
42	Search for the $X(4140)$ state in $B^+ \rightarrow \mu^+ \mu^- K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
41	First observation of the decays $B_{s1}(0) \rightarrow D_s + K^0$ and $B_{s1}(0) \rightarrow D_s + K^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
40	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow \mu^+ \mu^-$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
39	Observation of $B_0 \rightarrow D^0 K^+ K^-$ and evidence for $B(s)(0) \rightarrow D^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
38	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow \mu^+ \mu^-$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	2
37	Observation of $B(s)(0) \rightarrow \mu^+ \mu^- \psi(2S)$ in $J/\psi \rightarrow K^- K^+$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
36	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
35	Measurement of the inclusive γ cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 267-273	4.2	18
34	First observation of the decay $B \rightarrow \mu^+ \mu^- \psi(2S)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 32-39	4.2	14
33	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
32	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138

31	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
30	Measurement of V_0 production ratios in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	12
29	Search for CP violation in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
28	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	50
27	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011 , 83,	4.9	112
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22	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 325-345	4.2	35
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20	Search for diphoton events with large missing transverse energy in 7 TeV proton-proton collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2011 , 106, 121803	7.4	17
19	Measurements of the branching fractions for $B(s) \rightarrow D^+ D^-$ and $B^0 \rightarrow D^+ D^-$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
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17	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{S(NN)} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 252303	7.4	458
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15	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
14	Measurement of the W and Z production cross sections in proton-proton collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58

13	Charged-particle multiplicities in pp interactions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 688, 21-42	4.2	121
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1	The cosmic rays quality test procedure for the CMS barrel resistive plate chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 533, 208-213	1.2	4