

Flavio Archilli

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.

505
papers

16,275
citations

60
h-index

101
g-index

524
ext. papers

19,673
ext. citations

5.4
avg, IF

3.27
L-index

#	Paper	IF	Citations
505	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
504	Precise determination of the B_{charm}^0 oscillation frequency. <i>Nature Physics</i> , 2022 , 18, 1-5	16.2	0
503	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
502	Evidence for a New Structure in the J/ψ and $J/\psi[\text{over } \chi]$ Systems in $B_{\text{s}}^0 \rightarrow \psi/\psi[\text{over } \chi]$ Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
501	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , 2022 , 17, P02028	1	0
500	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	0
499	Searches for rare B_{s}^0 and B_0 decays into four muons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
498	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in p-Pb and pp Collisions at $\sqrt{s_{\text{NN}}}=5$ TeV.. <i>Physical Review Letters</i> , 2022 , 128, 142004	7.4	0
497	Observation of Two New Excited χ_{b}^0 States Decaying to $\chi_{\text{b}}^0 K^+ K^-$.. <i>Physical Review Letters</i> , 2022 , 128, 162001	7.4	0
496	Centrality determination in heavy-ion collisions with the LHCb detector. <i>Journal of Instrumentation</i> , 2022 , 17, P05009	1	0
495	First measurement of the (CIP)-violating phase in $(\{B^0_{\text{s}}\} \rightarrow \{J/\psi\}) (\rightarrow (e^+ e^-)) (\phi)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
494	Branching Fraction Measurements of the Rare $B_{\text{s}}^0 \rightarrow \mu^+ \mu^-$ and $B_{\text{s}}^0 \rightarrow f_2^{\prime(1525)} \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
493	Observation of a New Excited D_{s}^+ Meson in $B^0 \rightarrow D^+ D^+ K^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
492	Observation of Multiplicity Dependent Prompt $\chi_{\text{c}}(3872)$ and $\chi_{\text{c}}(2S)$ Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
491	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\text{pm}})$, jet decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
490	Search for the rare decay $B_0 \rightarrow J/\psi^* \mu^+ \mu^-$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
489	Angular Analysis of the $B^+ \rightarrow K^{*+} \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14

488	Observation of the $B^0 \rightarrow K^+ K^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 815, 136172	4.2	0
487	Observation of a new B^0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
486	First Observation of the Decay $B_{s^0} \rightarrow K^+ \pi^-$ and a Measurement of $ V_{ub} / V_{cb} $. <i>Physical Review Letters</i> , 2021 , 126, 081804	7.4	7
485	Search for long-lived particles decaying to $(e^+ \mu^-) (\mu^+ \nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
484	Observation of new excited $B^0_{(s)}$ states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
483	Precise measurement of the f_s/f_d ratio of fragmentation fractions and of B_{s^0} decay branching fractions. <i>Physical Review D</i> , 2021 , 104,	4.9	6
482	Observation of New Resonances Decaying to $J/\psi K^+$ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
481	Search for CP violation in $B \rightarrow K^* K^*$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
480	Study of the lineshape of the $\psi(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18
479	Amplitude analysis of the $B^+ \rightarrow D^+ D^* K^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
478	Constraints on the $K_{S^0} \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
477	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^* K^+$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
476	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
475	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
474	First observation of the decay $B^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
473	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
472	Observation of New Λ_c^0 Baryons Decaying to $\Lambda_c^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
471	First Observation of Excited Λ_b^0 States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18

470	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^* \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
469	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
468	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
467	Amplitude analysis of the $B \rightarrow D^* \pi$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
466	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
465	Measurement of the relative branching fractions of $B \rightarrow \bar{h} h^+ h^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
464	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
463	Search for CP violation in $(\chi_{cc}^+ \rightarrow p \bar{K}^+ \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
462	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
461	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
460	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
459	Isospin Amplitudes in $B^0 \rightarrow \bar{D}^0 \pi^0$ and $B^0 \rightarrow \bar{D}^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
458	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
457	Search for CP violation and observation of P violation in $B^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
456	Search for $A^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
455	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
454	Measurement of the relative $B \rightarrow D^0/D^{*0} \pi^0$ branching fractions using B mesons from $B \rightarrow D^* \pi$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
453	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8

452	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow \mu^+ \mu^-$ 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
451	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
450	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
449	Search for CP Violation in $D_{s^+} \rightarrow K_{S^0} \mu^+$, $D^+ \rightarrow K_{S^0} K^+$, and $D^+ \rightarrow \pi^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
448	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
447	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
446	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
445	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
444	Observation of an Excited B_c^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
443	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
442	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow K^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
441	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
440	Measurement of the mass and production rate of Λ_b baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
439	Precision measurement of the Λ_b^+ , $\bar{\Lambda}_b^+$, and $\bar{\Lambda}_b^0$ baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
438	First Observation of the Radiative Decay $\Lambda_b^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
437	Observation of New Resonances in the $\Lambda_b^0 \rightarrow \mu^+ \mu^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
436	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
435	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

434	Search for the Lepton-Flavor-Violating Decays $B_{s^0} \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ and $B^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
433	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
432	Measurement of CP-Violating and Mixing-Induced Observables in $B_{s^0} \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
431	Amplitude Analysis of $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
430	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
429	Observation of Two Resonances in the $\Upsilon(b^0) \rightarrow \mu^+ \mu^-$ Systems and Precise Measurement of $\Upsilon(b^0)$ and $\Upsilon(b^{*0})$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
428	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
427	First observation of forward Z-bb 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
426	Measurement of CP observables in $B^0 \rightarrow \mu^+ \mu^- K^0$ and $B^0 \rightarrow \mu^+ \mu^- \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
425	Search for the lepton-flavour violating decays $B^0(s) \rightarrow \mu^+ \mu^- \nu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
424	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ branching fraction using three-prong μ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
423	Measurement of the Ratio of the $B^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ and $B^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ Branching Fractions Using Three-Prong μ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
422	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \mu^+ \mu^- \nu \bar{\nu})/B(B_{c^+} \rightarrow \mu^+ \mu^- \nu \bar{\nu})$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
421	Search for B_{c^+} decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
420	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
419	Observation of the decay $B^0 \rightarrow \mu^+ \mu^- p \bar{p}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
418	Observation of a New $\Upsilon(b^0)$ Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
417	Evidence for the Rare Decay $\mu^+ \rightarrow \mu^+ \nu \bar{\nu}$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8

416	Search for CP violation in $B^0 \rightarrow \rho^+ K^-$ and $B^0 \rightarrow \rho^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
415	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
414	Observation of the decay $B_s^0 \rightarrow D^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
413	Observation of $B_s^0 \rightarrow D^+ K^-$ and search for $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
412	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
411	Observation of the decay ($\overline{B} \rightarrow \chi_{c2} K^+ K^-$) in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
410	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
409	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
408	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
407	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
406	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
405	Updated determination of $D^0 \rightarrow \pi^0 \pi^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
404	Search for the rare decay $B^+ \rightarrow \rho^0 \pi^+$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
403	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
402	Amplitude Analysis of the Decay $B^0 \rightarrow \rho^+ K_{S^*}^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \rho^+ K_{S^*}^0(892)^- \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
401	Search for the CP-violating strong decays Ξ_{cc}^+ and $\Xi(958) \rightarrow \pi^0 \pi^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
400	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
399	Amplitude analysis of $B^+ \rightarrow \rho^+ K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56

398	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^{\pm} \rightarrow \psi K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
397	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
396	First Experimental Study of Photon Polarization in Radiative $B_{\{s\}}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
395	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
394	Observation of the decay $B_s^0 \rightarrow \mu^+ \mu^-$ and evidence for $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
393	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
392	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
391	Flavour-changing neutral currents making and breaking the standard model. <i>Nature</i> , 2017 , 546, 221-226	50.4	3
390	Study of the $D^0 \rightarrow \rho^+ \rho^-$ amplitude in $B \rightarrow D^0 \rho^+ \rho^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
389	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
388	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
387	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
386	Observation of the Decay $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
385	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
384	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
383	Observation of charmless baryonic decays $B(s)0 \rightarrow p \pi^+ \pi^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
382	Study of charmonium production in $\psi(3770)$ hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
381	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7

380	Observation of $B_{c^+} \rightarrow \bar{D}^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
379	Measurements of charm mixing and CP violation using $D_0 \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
378	Measurement of the $B_{\bar{D}}$ production asymmetry and the CP asymmetry in $B_{\bar{D}} \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
377	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow -\bar{J}/\bar{D}$ and $B \rightarrow -\bar{J}/\bar{K}^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
376	Search for the $B \rightarrow 0s \rightarrow \bar{D}^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
375	Observation of the decay $B \rightarrow 0 \rightarrow \bar{K}^0 \pi^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
374	Measurement of $B_{\{s\}^0}$ and $D_{\{s\}^-}$ Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
373	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
372	Measurement of the CP Violation Parameter $A_{\bar{D}}$ in $D^0 \rightarrow \bar{K}^+ K^-$ and $D^0 \rightarrow \bar{D}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
371	Observation of $B_{\{c\}^+} \rightarrow \bar{D}^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
370	Observation of Five New Narrow $\Xi_{\{c\}^0}$ States Decaying to $\Xi_{\{c\}^+} K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
369	Measurement of CP asymmetries in $D_{\bar{D}}$ and $D_{s\bar{D}}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
368	Observation of $\bar{D}(2S) \rightarrow \bar{D}^0 \pi^0$ and search for $X(3872) \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
367	Observation of the $B_{\bar{D}} \rightarrow \bar{D}^0 \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
366	Measurement of the $B_{\{s\}^0} \rightarrow \bar{D}^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \bar{D}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
365	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
364	Observation of the Decays $\Xi_{\{b\}^0} \rightarrow \bar{D}\{c1\} p K^-$ and $\Xi_{\{b\}^0} \rightarrow \bar{D}\{c2\} p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
363	Observation of the $B^+ \rightarrow \bar{D}^0 K^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2

362	Search for the Decays $B_{s}^{0} \rightarrow \bar{b}^{+} \bar{\nu}^{-}$ and $B^{+} \rightarrow \bar{b}^{+} \bar{\nu}^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
361	Observation of the suppressed decay $D \rightarrow b^{-} \bar{\nu} \bar{\nu}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
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359	Search for Baryon-Number Violating χ_{b}^{+0} Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
358	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
357	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
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355	Search for CP violation in the phase space of $D^0 \rightarrow \bar{b} \bar{\nu}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7
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353	First Observation of the Rare Purely Baryonic Decay $B^{+} \rightarrow \bar{p} \Lambda$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
352	Study of ($\text{b} \overline{\text{b}}$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
351	First Observation of a Baryonic B_{s}^{+} Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
350	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
349	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
348	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
347	Measurement of the CP Asymmetry in $B_{s}^{+} \rightarrow B \overline{\chi}_{s}^{+}$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
346	Model-Independent Evidence for J/ψ Contributions to $\chi_{b}^{+0} \rightarrow \bar{b} \bar{\nu} K^{+}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
345	Evidence for Exotic Hadron Contributions to $\chi_{b}^{+0} \rightarrow \bar{b} \bar{\nu} \bar{\nu}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91

344	Studies of the resonance structure in $D^0 \rightarrow K^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
343	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
342	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
341	First observation of the rare $B^+ \rightarrow K^+ \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
340	Measurement of the $B_s^0 \rightarrow D_s^*(*) + D_s^*(*)$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
339	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
338	Observation of $B_{s^0} \rightarrow D^0 K_{S^0}$ and Evidence for $B_{s^0} \rightarrow D^0 \overline{D}^0 K_{S^0}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
337	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^+$ and $D^0 \rightarrow \pi^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25
336	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
335	Search for Structure in the $B_{(s)}$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
334	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$ in the $K^*_{(1430)}$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
333	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0_S$ and $D^0 K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
332	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
331	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
330	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
329	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
328	First observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
327	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7

326	First observation of the decay $D^0 \rightarrow \mu^+ \mu^-$ in the D^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
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324	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
323	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
322	Observations of $D^0 \rightarrow \mu^+ \mu^-$ and $D^0 \rightarrow \mu^+ K^-$ decays and searches for other D^0 and D^0 decays to $\mu^+ h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
321	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
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319	Measurement of the properties of the Λ^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
318	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
317	Measurement of the CKM angle Γ using $B^0 \rightarrow \mu^+ \mu^-$ with $D^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
316	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
315	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(B^0 \rightarrow \mu^+ \mu^-)}{\mathcal{B}(B^0 \rightarrow \mu^+ K^-)}$) using 3.6 fb ⁻¹ of data. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
314	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
313	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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307	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
306	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
305	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
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303	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
302	Measurements of long-range near-side angular correlations in $\sqrt{s} = 5$ 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
301	Search for B_c^+ decays to the pp^0 final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
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299	Measurement of CP observables in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ 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
298	Determination of α and β 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
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296	Measurement of the semileptonic CP asymmetry in $B^0 \rightarrow B^0$ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
295	Precision measurement of CP violation in $B(S)(0) \rightarrow \bar{K}^+ K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
294	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
293	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
292	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
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282	Evidence for the Strangeness-Changing Weak Decay $[b] \rightarrow [u] s$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
281	First observation and amplitude analysis of the $B \rightarrow D^+ K^-$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
280	Quantum numbers of the X(3872) state and orbital angular momentum in its $D^0 \bar{D}^0$ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
279	Amplitude analysis of $B^0 \rightarrow D^+ K^- \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
278	Dalitz plot analysis of $B^0 \rightarrow D^+ \pi^- \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
277	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
276	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_\tau) / B(B_c \rightarrow \mu^+ \nu_\mu)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
275	Search for the rare decays $B^0 \rightarrow \mu^+ \pi^-$ and $B_s^0 \rightarrow \mu^+ \pi^-$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
274	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
273	Measurement of CP Violation in $B^0 \rightarrow \bar{K}^0 S^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22

272	Observation of the $B(s) \rightarrow \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
271	Observation of J/ψ Resonances Consistent with Pentaquark States in $B^0 \rightarrow \psi \rho$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
270	Measurement of the ratio of branching fractions $B(B^0 \rightarrow D^{*+} \pi^-) / B(B^0 \rightarrow D^{*+} \pi^0)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
269	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
268	Measurement of CP asymmetries and polarisation fractions in $(B_s^0 \rightarrow \overline{K}^{*0} K^0)$ 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 $D^0 b \rightarrow \pi^+ \mu^-$ and $D^0 b \rightarrow \pi^0 \mu^-$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
265	Measurement of the exclusive π^0 production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
264	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
263	Forward production of π mesons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
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 $B^0 \rightarrow \pi^+ \pi^- K^0$. <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 $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	27
259	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
258	Measurement of CP violation parameters and polarisation fractions in $(B^0 \rightarrow \psi \overline{K}^{*0})$ 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 $D^0 b \rightarrow \pi^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	54
255	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^+ \pi^- K^0$. <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 $B^0 \rightarrow \rho^0 K^0$. <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 $B^0 \rightarrow \rho^0 \pi^0$. <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 $B^0 \rightarrow \rho^0 e^+ e^-$ 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 $B^0 \rightarrow \rho^0 K^0$ and $B^0 \rightarrow \rho^0 K^+$. <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 $B^0 \rightarrow \rho^0$ decay from an amplitude analysis of $B^0 \rightarrow \rho^0 \pi^0$ 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 $B_c^+ \rightarrow \rho^0$ 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 $\arg(B^0 \rightarrow \rho^0)$ 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 Λ_b^0 and Σ_b^0 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 $B_s^0 \rightarrow \rho^0 K^0$ and $B_s^0 \rightarrow \rho^0 K^+$ 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 $\arg(B^0 \rightarrow \rho^0)$ 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 $\Lambda_b^0 \rightarrow \rho^0 p$. <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 $(K_{\mathrm{S}}^0 p \pi^{\pm})$ and $(K_{\mathrm{S}}^0 p K^{\pm})$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\mathrm{S}}^0 p \pi^{\pm})$ 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 $B^0 \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	8
232	Angular analysis of charged and neutral $B \rightarrow K \pi \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	18
231	Evidence for the decay $(B_{\mathrm{c}}^+ \rightarrow \{J/\psi\} \left[\frac{1}{\sqrt{3}} (\psi(3686) + 2\psi(4180)) \right])$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	16
230	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \pi$ 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 (Υ) production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	27
227	Observation of the $\Lambda_b \rightarrow f_1 \pi$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
226	Observation of the $B^0 \rightarrow f_1 \pi^0 K^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
225	Study of the kinematic dependences of Λ_b production in pp collisions and a measurement of the $\Lambda_b \rightarrow f_1 c$ 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 [Formula: see text] meson lifetime using [Formula: see text] decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4-2	32
221	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4-2	35
220	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text] TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4-2	20
219	Search for the decay. <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 $B \rightarrow \pi^0 \ell^+ \ell^-$. <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 $B \rightarrow \pi^0 \ell^+ \ell^-$. <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 $Z(4430)^{-}$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
215	Observation of photon polarization in the $b \rightarrow \pi$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
214	Precision measurement of the ratio of the $B \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
213	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
212	Measurement of CP violation parameters in $B_0 \rightarrow K^* K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
211	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
210	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
209	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^* K^0$ and $B^+ \rightarrow K^* K^+$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
208	Observation of $B_{s^0} \rightarrow \{K^{*\mp}\} \{K^{\mp}\} \pi^{\pm}$ and evidence for $B_{s^0} \rightarrow \{K^{*\mp}\} \{K^{\pm}\} \pi^{\pm}$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
207	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D \rightarrow K_S^0 \pi^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
206	Measurement of the $B \rightarrow B^0$ and $B \rightarrow B_s^0$ 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
205	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
204	Evidence for CP violation in $B^+ \rightarrow \rho^0 K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
203	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
202	Measurement of resonant and CP components in $B \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
201	Search for Majorana neutrinos in $B^- \rightarrow \mu^- \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70

200	Measurement of the B_c^+ meson lifetime in Ds^+ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
199	Measurement of CP violation in the phase space of $B_c^+ \rightarrow K^+ \eta$ and $B_c^+ \rightarrow \eta \eta'$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
198	Measurement of the resonant and CP components in $B_c^+ \rightarrow \eta/\eta'$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
197	Observation of overlapping spin-1 and spin-3 D_0K^- resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
196	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
195	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
194	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \eta \eta'$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
193	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
192	Test of lepton universality using $b^+ \rightarrow K^+ \eta \eta'$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
191	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
190	Measurement of CP violation in $B_s^0 \rightarrow \eta'$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
189	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
188	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
187	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
186	Studies of beauty baryon decays to $D^0 p$ and $\bar{D}^0 h$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
185	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
184	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
183	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

182	Search for CP violation in $D \rightarrow \bar{K}^0 S K^0$ and $D \rightarrow s \bar{K}^0 S \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	8
181	First observations of the rare decays $B \rightarrow \bar{K}^0 \tau^+ \tau^-$ and $B \rightarrow \bar{K}^0 K^+ K^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	7
180	Measurement of the B_c (3P) mass and of the relative rate of $B_c(1P)$ and $B_c(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	17
179	Measurement of the CKM angle γ using $B \rightarrow \bar{D} K^0$ with $D \rightarrow \bar{K}^0 S K^0 + K^0 S K^0 + K^0 \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	19
178	Measurement of CP asymmetry in $B \rightarrow s \bar{D}^0 s K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	10
177	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
176	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
175	A study of CP violation in $B \rightarrow \bar{D} K^0$ and $B \rightarrow \bar{D} \bar{K}^0$ decays with $D \rightarrow K^0 \bar{K}^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4-2	12
174	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
173	Differential branching fraction and angular analysis of the decay (B_s^0) $\rightarrow \tau^+ \tau^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	86
172	Search for CP violation in $D \rightarrow \bar{K}^0 \tau^+ \tau^-$ and ($D_s^+ \rightarrow K_S^0 \pi^+$) decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
171	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	48
170	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
169	Measurement of the $B \rightarrow \bar{K}^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	22
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 $B \rightarrow \bar{D} K^0$ 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 $B^+ \rightarrow K^+ \pi^+ \pi^0$ 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,	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 $D(s) \rightarrow \pi^+ \pi^0$ and $D(s) \rightarrow \pi^+ \pi^-$ 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 $B^0 \rightarrow \pi^+ \pi^-$. <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 $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4-2	11
156	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow K^+ K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4-2	9
155	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
154	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
153	Measurement of the relative rate of prompt χ_0, χ_1 and χ_2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	31
152	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
151	Study of D meson decays to $D^+ \pi^0$ and $D^* \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	69
150	First observation of the decay $(B_c^+ \rightarrow \{J/\psi \{K^+\}\} \overline{p})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	36
149	Searches for $(B_{(s)}^0 \rightarrow \{J/\psi \{p\}\} \overline{p})$ and $B^+ \rightarrow J/\psi (\overline{p}) \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	6
148	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	99
147	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

146	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
145	Observation of B^0_{s} $\overline{B}^0_{\text{s}}$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
144	Search for the doubly charmed baryon ($\Xi_{\text{cc}}^{\text{++}}$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
143	Measurement of ρ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
142	Observation of the decay ($B_c^{\text{+}}$) $\rightarrow \overline{D}^0 + K^{\text{+}}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
141	First observation of the decay ($B_s^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
140	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
139	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
138	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
137	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
136	Measurement of the ratio of branching fractions $B(B \rightarrow K^0) / B(B_s \rightarrow K^0)$ and the direct CP asymmetry in $B \rightarrow K^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
135	Measurement of the effective β . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
134	Prompt charm production in pp collisions at $\sqrt{s}=7$. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
133	Observation of the suppressed ADS modes $B \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 44-53	4.2	14
132	Measurement of the CKM angle α from a combination of $B \rightarrow D^0 \pi^0$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
131	Measurement of the $B^0 \rightarrow D^0$ oscillation frequency Δm_d with the decays $B^0 \rightarrow D^0 \pi^0$ and $B^0 \rightarrow D^0 K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
130	Search for direct CP violation in $B \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
129	Measurements of the $B^0 \rightarrow D^0$ 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

128	Observation of the decay $B_s^0 \rightarrow D^0 \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
127	Search for the rare decay $D^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
126	Measurement of the differential branching fraction of the decay $B^0 \rightarrow D^0 \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
125	Evidence for the decay $B^0 \rightarrow J/\psi D^0$ and measurement of the relative branching fractions of B_s^0 meson decays to $J/\psi D^0$ and $J/\psi D^+$. <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
124	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
123	Observation of $B^0 \rightarrow D^0 \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
122	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
121	Observations of $B^0 \rightarrow D^0 \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
120	Measurement of the $B^0 \rightarrow D^0 \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
119	Precision measurement of the B^0 oscillation frequency with the decay $B^0 \rightarrow D^0 \mu^+ \mu^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
118	Exclusive $J/\psi D^0$ 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
117	Search for the lepton-flavor-violating decays $B(s) \rightarrow \ell^+ \ell^- D^0$ and $B^0 \rightarrow \ell^+ \ell^- D^0$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
116	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
115	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \bar{K}^0 K^0$ and $B_s^0 \rightarrow \bar{D}^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
114	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
113	First observations of $B^0 \rightarrow D^0 D^+ D^-$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
112	Measurement of the $\Lambda(b)(0)$, $\Lambda(b)(-)$, and $\Lambda(b)(-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
111	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ D^0 D^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11

110	First measurement of the CP-violating phase in $B_s(0) \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
109	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
108	Measurement of the branching fractions of the decays $B_s(0) \rightarrow \mu^+ \mu^- K^0$ and $B(0) \rightarrow \mu^+ \mu^- K^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
107	Analysis of the resonant components in $B(0) \rightarrow \mu^+ \mu^- K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
106	Observation of the decay $B(c)(+) \rightarrow \mu^+ \mu^- (0)^0$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
105	Search for the decay $B_s(0) \rightarrow \mu^+ \mu^- \eta$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
104	Measurement of the polarization amplitudes in $B(0) \rightarrow \mu^+ \mu^- K^*(892)^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
103	Measurement of CP violation in the phase space of $B^0 \rightarrow \mu^+ \mu^- K^0$ and $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
102	Observation of the decay $B_c^+ \rightarrow \mu^+ \mu^- S^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
101	Measurement of form-factor-independent observables in the decay $B(0) \rightarrow \mu^+ \mu^- (\rho^+ \rho^-)$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
100	Observation of $B_c^+ \rightarrow \mu^+ \mu^- D_s^+$ and $B_c^+ \rightarrow \mu^+ \mu^- D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
99	Study of $B(0) \rightarrow \mu^+ \mu^- \eta$ and $B(0) \rightarrow \mu^+ \mu^- K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
98	Measurement of the CP asymmetry in $B(0) \rightarrow \mu^+ \mu^- (\rho^+ \rho^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
97	Studies of the decays $B^+ \rightarrow \mu^+ \mu^- \rho^+$ and observation of $B^+ \rightarrow \mu^+ \mu^- \rho(1520)^+$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
96	Observation of a resonance in $B^+ \rightarrow \mu^+ \mu^- K^+$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
95	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow \mu^+ \mu^- K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
94	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow \mu^+ \mu^- K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
93	First observation of $B(0) \rightarrow \mu^+ \mu^- K^0$ and search for $B(0) \rightarrow \mu^+ \mu^- \eta$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14

92	Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
91	Search for rare $B(0) \rightarrow (s) \rightarrow (\mu^+)(\mu^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
90	Performance of the Muon Identification at LHCb. <i>Journal of Instrumentation</i> , 2013 , 8, P10020-P10020	1	56
89	Search for a vector gauge boson in η meson decays with the KLOE detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 706, 251-255	4.2	101
88	Observation of η . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
87	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
86	Measurement of the CP violating phase α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34
85	Search for the rare decays $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
84	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
83	First observation of the decay $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
82	Measurement of the $B_{s0} \rightarrow B_{s0}$ oscillation frequency Δm_s in $B_{s0} \rightarrow D_s(B) \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
81	Observation of CP violation in $B \rightarrow D K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
80	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
79	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
78	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
77	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
76	Measurement of the $B \rightarrow \mu^+ \mu^-$ 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
75	Measurements of the branching fractions of the decays $B_{s^0} \rightarrow D_{s^+} \mu^+ \mu^-$ and $B_{s^0} \rightarrow D_{s^+} \pi^+ \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15

74	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
73	Measurement of the isospin asymmetry in $B \rightarrow K^{(*)} \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	59
72	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
71	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
70	Measurement of the fraction of $\Lambda(15)$ 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
69	First observation of the decay $B \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	35
68	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
67	Measurements of the branching fractions and CP asymmetries of $B \rightarrow \pi \pi$ and $B \rightarrow \pi K$ decays. <i>Physical Review D</i> , 2012 , 85,	4-9	19
66	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
65	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
64	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4-9	47
63	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4-9	105
62	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
61	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
60	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
59	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
58	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
57	Measurement of (2π) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4-2	63

56	Measurement of relative branching fractions of decays to (2) and $/$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
55	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
54	Measurement of the effective α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
53	A model-independent Dalitz plot analysis of $B \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
52	Measurement of the ratio of prompt τ production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
51	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
50	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
49	First observation of the decay $B(c) \rightarrow \rho^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
48	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \rho^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
47	Measurement of the $B(s)(0)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
46	First observation of the decays $B(0) \rightarrow \rho^0(+)K(-)\pi^0$ and $B(-) \rightarrow \rho^0(0)K(-)\pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
45	Observation of excited $\Lambda(b)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
44	Analysis of the resonant components in $B \rightarrow \rho^0 \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
43	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
42	Measurement of the $B_s \rightarrow \rho^0 \pi^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
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40	Search for lepton number violating decays $B^+ \rightarrow \rho^0 \pi^0$ and $B^+ \rightarrow \rho^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
39	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow \rho^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95

38	Search for the X(4140) state in $B^+ \rightarrow \mu^+ K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
37	First observation of the decays $B^0 \rightarrow D_s^+ K^-$ and $B^0 \rightarrow D_s^+ K^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
36	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow J/\psi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
35	Observation of $B^0 \rightarrow D^0 K^+ K^-$ and evidence for $B^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
34	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow \pi^+ \pi^-$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	2
33	Observation of $B^0 \rightarrow J/\psi(2S) K^-$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
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30	Precision measurement of the K_S meson lifetime with the KLOE detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	10
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