

Miriam Calvo Gomez

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.

511
papers

17,477
citations

63
h-index

107
g-index

526
ext. papers

21,114
ext. citations

5.5
avg, IF

5.98
L-index

#	Paper	IF	Citations
511	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
510	Analysis of Neutral B-Meson Decays into Two Muons.. <i>Physical Review Letters</i> , 2022 , 128, 041801	7.4	2
509	Evidence For a New Structure in the J/ψ and $J/\psi[\text{over } \chi]$ Systems in $B_{s^0} \rightarrow \mu^+ \mu^- \chi$ Decays.. <i>Physical Review Letters</i> , 2022 , 128, 062001	7.4	0
508	Identification of charm jets at LHCb. <i>Journal of Instrumentation</i> , 2022 , 17, P02028	1	0
507	Study of Z Bosons Produced in Association with Charm in the Forward Region.. <i>Physical Review Letters</i> , 2022 , 128, 082001	7.4	0
506	Observation of Two New Excited χ_{b^0} States Decaying to $\chi_{b^0} K^+ \pi^-$.. <i>Physical Review Letters</i> , 2022 , 128, 162001	7.4	0
505	Centrality determination in heavy-ion collisions with the LHCb detector. <i>Journal of Instrumentation</i> , 2022 , 17, P05009	1	0
504	First measurement of the (C)P-violating phase in $(\{B\}^0_{s^0} \rightarrow \{J/\psi\} \pi^0) (\rightarrow (e^+ e^-) (\phi))$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
503	Branching Fraction Measurements of the Rare $B_{s^0} \rightarrow \mu^+ \mu^-$ and $B_{s^0} \rightarrow f_2(1525) \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2021 , 127, 151801	7.4	5
502	Observation of a New Excited D_{s^+} Meson in $B^0 \rightarrow D^+ D^+ K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2021 , 126, 122002	7.4	3
501	Observation of Multiplicity Dependent Prompt $\chi_{c1}(3872)$ and χ_{c2} Production in pp Collisions. <i>Physical Review Letters</i> , 2021 , 126, 092001	7.4	4
500	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^- \nu)$, jet decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
499	Search for the rare decay $B^0 \rightarrow J/\psi^* \pi^0$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
498	Angular Analysis of the $B^+ \rightarrow K^{*+} \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2021 , 126, 161802	7.4	14
497	Observation of the $B_{0} \rightarrow K^+ K^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 815, 136172	4.2	0
496	Observation of a new B_0 state. <i>Physical Review D</i> , 2021 , 103,	4.9	4
495	Deep Learning approach to LHCb Calorimeter reconstruction using a Cellular Automaton. <i>EPJ Web of Conferences</i> , 2021 , 251, 04008	0.3	1

494	Search for long-lived particles decaying to $(e^+ \mu^-) (\mu^+ \mu^-) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
493	Observation of new excited $B^0_{(s)}$ states. <i>European Physical Journal C</i> , 2021 , 81,	4.2	2
492	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
491	Observation of New Resonances Decaying to J/ψ^+ and J/ψ . <i>Physical Review Letters</i> , 2021 , 127, 082001	7.4	11
490	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
489	Search for CP violation in $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2021 , 104,	4.9	2
488	Search for the doubly heavy baryons Ξ_{cc} and Ξ_{bb} decaying to $\Lambda_c^+ \Lambda_b^0$ and $\Lambda_c^+ \Lambda_b^+$. <i>Chinese Physics C</i> , 2021 , 45, 093002	2.2	3
487	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2021 , 127, 111801	7.4	0
486	Use of Deep Learning to Improve the Computational Complexity of Reconstruction Algorithms in High Energy Physics. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11467	2.6	1
485	Study of the lineshape of the $B(3872)$ state. <i>Physical Review D</i> , 2020 , 102,	4.9	18
484	Amplitude analysis of the $B^+ \rightarrow D^+ D^0 K^+$ decay. <i>Physical Review D</i> , 2020 , 102,	4.9	34
483	Constraints on the $K_{S^0} \rightarrow \pi^+ \pi^-$ Branching Fraction. <i>Physical Review Letters</i> , 2020 , 125, 231801	7.4	1
482	Model-Independent Study of Structure in $B^+ \rightarrow D^+ D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2020 , 125, 242001	7.4	25
481	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
480	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
479	First observation of the decay $B^0 \rightarrow D^0 K^+ \pi^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
478	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
477	Observation of New Ξ_{cc}^0 Baryons Decaying to $\Xi_{cc}^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10

476	First Observation of Excited $\chi_{b}^{\{-}}$ States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
475	Measurement of CP-Averaged Observables in the $B^{\{0\}}\text{-}\bar{K}^{\{0\}}\bar{\pi}^{\{+\}}\pi^{\{-}\}$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
474	Measurement of $\chi_{cc}^{\{+\}}$ production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
473	Determination of quantum numbers for several excited charmed mesons observed in $B\bar{D}^{*+}\pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	8
472	Amplitude analysis of the $B^{+}\text{-}\bar{K}^{\{0\}}\pi$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
471	Observation of Several Sources of CP Violation in $B^{\{+\}}\text{-}\bar{D}^{\{+\}}\pi^{\{+\}}\pi^{\{-}\}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
470	Measurement of $ V_{cb} $ with $B_{s0}\text{-}\bar{D}_{s}^{(*)}\pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
469	Measurement of the relative branching fractions of $B^{+}\text{-}\bar{h}h^{?}h^{?}\pi$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	1
468	Measurement of the (η_{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
467	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
466	Search for the doubly charmed baryon $(\chi_{cc}^{\{+\}})$. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
465	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
464	Updated measurement of decay-time-dependent CP asymmetries in $D^0\text{-}\bar{K}^{\{0\}}K^{\{0\}}$ and $D^0\text{-}\bar{K}^{\{0\}}\pi$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	5
463	Isospin Amplitudes in $\chi_{b}^{\{0\}}\text{-}\bar{\pi}^{\{0\}}$ and $\chi_{b}^{\{0\}}\text{-}\bar{\pi}^{\{0\}}\pi$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
462	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
461	Search for CP violation and observation of P violation in $B^0\text{-}\bar{K}^{\{0\}}\pi$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
460	Search for $A^{\{0\}}\text{-}\bar{K}^{\{0\}}\pi$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
459	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26

458	Measurement of the relative $B_{D^0}/D^{*0}/D^{*0}$ branching fractions using B mesons from B_{S^*0} decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
457	Measurement of the CP-violating phase γ from B_{S^0} decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134789	4.2	2
456	Observation of the $(\Lambda_{\text{charm}})^0 \rightarrow \chi_{c1}$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
455	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
454	Search for CP Violation in $D_{S^+}^+ - K_{S^0}^0$, $D^+ - K^0$, and $D^+ - \bar{K}^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
453	Observation of $B_{(s)}^0 - \bar{B}_{(s)}^0$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
452	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
451	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
450	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
449	Observation of an Excited B_c^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
448	Search for Lepton-Universality Violation in $B^+ - K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
447	Model-Independent Observation of Exotic Contributions to $B^0 - \bar{B}^0 \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
446	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
445	Measurement of the mass and production rate of \bar{B} baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
444	First Observation of the Radiative Decay $\bar{B}^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
443	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
442	Observation of New Resonances in the $\bar{B}^0 \mu^+ \mu^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
441	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3

440	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
439	Search for the Lepton-Flavor-Violating Decays $B_{\{s\}^0} \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ and $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
438	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
437	Measurement of CP-Violating and Mixing-Induced Observables in $B_{\{s\}^0} \rightarrow \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
436	Amplitude Analysis of $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
435	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
434	Observation of Two Resonances in the $B^0 \rightarrow \mu^+ \mu^-$ Systems and Precise Measurement of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
433	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
432	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
431	First observation of forward Z- $\bar{b}b$ 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
430	Measurement of CP observables in $B^0 \rightarrow \mu^+ \mu^- K^0$ and $B^0 \rightarrow \mu^+ \mu^- \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
429	A measurement of the CP asymmetry difference between $\bar{B}^0 \rightarrow \mu^+ \mu^- K^0$ and $\bar{B}^0 \rightarrow \mu^+ \mu^- \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
428	Measurement of CP asymmetry in $B^0 \rightarrow s \rightarrow \mu^+ \mu^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
427	Search for the lepton-flavour violating decays $B^0 \rightarrow (s) \rightarrow \mu^+ \mu^- \mu^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
426	First measurement of the CP-violating phase ($\phi_{s^{\overline{d}}}$) in $B^0 \rightarrow \mu^+ \mu^- (K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
425	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \mu^+ \mu^- \mu^+$ branching fraction using three-prong μ^+ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
424	Measurement of the Ratio of the $B^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
423	Measurement of the Ratio of Branching Fractions $B(B_{\{c\}^+} \rightarrow \mu^+ \mu^- \mu^+) / B(B_{\{c\}^+} \rightarrow \mu^+ \mu^- \mu^+)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109

422	Search for B_{c^+} decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
421	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
420	Measurement of branching fractions of charmless four-body $\bar{D}^0 B$ and $D^0 \bar{B}$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
419	Observation of the decay $B^0 \rightarrow \bar{B}^0 pp^0$. <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 Ξ_{bb}^{\prime} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
417	Evidence for the Rare Decay $\bar{B}^0 \rightarrow \bar{B}^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
416	Search for CP violation in $B^0 \rightarrow \bar{B}^0 K$ and $B^0 \rightarrow \bar{B}^0 \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
415	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
414	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
413	Observation of the decay $B_{s0} \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
412	Observation of $B_{s0} \rightarrow D^0 \pi^0$ and search for $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
411	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
410	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_{cc}^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
409	Measurement of Angular and CP Asymmetries in $D^{\pm 0} \rightarrow \bar{B}^0 \pi^{\pm} \pi^{\mp}$ and $D^{\pm 0} \rightarrow \bar{K}^+ K^{\mp} \pi^{\pm} \pi^{\mp}$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8
408	Measurement of the Ξ_{cc}^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
407	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
406	Updated determination of $D^0 \bar{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow \bar{K}^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
405	Search for the rare decay $\bar{B}^0 \rightarrow \bar{B}^0 \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9

404	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
403	First observation of $B^+ \rightarrow \bar{D}^0 + s K^+ K^0$ decays and a search for $B^+ \rightarrow \bar{D}^0 + s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
402	Measurements of the branching fractions of $\bar{D}^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$, $\bar{D}^0 \rightarrow \bar{D}^0 K^+ K^-$, and $\bar{D}^0 \rightarrow \bar{D}^0 \pi^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
401	Amplitude Analysis of the Decay $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \bar{K}^{*0} \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
400	Search for the CP-violating strong decays $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and $B^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
399	Search for the suppressed decays $B^+ \rightarrow \bar{K}^0 K^+ \pi^0$ and $B^+ \rightarrow \bar{K}^0 K^+ \pi^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
398	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.	6.2	45
397	Amplitude analysis of $B^+ \rightarrow \bar{D}^0 K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
396	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \bar{D}^0 K^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
395	Observation of the Annihilation Decay Mode $B^0 \rightarrow \bar{K}^0 K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801.	7.4	18
394	First Experimental Study of Photon Polarization in Radiative $B_{(s)}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
393	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
392	Observation of the decay $B_s^0 \rightarrow \bar{D}^0 \pi^0$ and evidence for $B^0 \rightarrow \bar{D}^0 \pi^0$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
391	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
390	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
389	Study of the $D^0 \rightarrow \pi^+ \pi^-$ amplitude in $B^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
388	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
387	Observation of $B^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ and $B^0 \rightarrow \bar{D}^0 \pi^0 \pi^0$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4

386	Measurement of CP asymmetry in $D^0 \rightarrow \bar{K}^0 K^+$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 177-187	4.2	11
385	Observation of the Decay $B^0 \rightarrow \bar{K}^0 K^+$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
384	Search for long-lived scalar particles in $B \rightarrow K + \text{invisible}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
383	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\text{NN}}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
382	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{\text{NN}}} = 8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
381	Observation of charmless baryonic decays $B(s) \rightarrow \bar{p} \pi^+ h^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
380	Study of charmonium production in π -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
379	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
378	Observation of $B_c \rightarrow \bar{D}^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
377	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
376	Measurement of the B_{CP} production asymmetry and the CP asymmetry in $B_{\text{CP}} \rightarrow \bar{K}^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
375	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \bar{K}^0 \pi^+$ and $B \rightarrow \bar{K}^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
374	Search for the $B^0 \rightarrow \bar{K}^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
373	Observation of the decay $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
372	Measurement of B_{CP} and D_{CP} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
371	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
370	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow \bar{K}^0 K^+$ and $D^0 \rightarrow \bar{K}^0 \pi^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
369	Observation of $B_{\text{CP}} \rightarrow \bar{D}^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13

368	Observation of Five New Narrow χ_{c0} States Decaying to $\chi_{c0}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
367	Measurement of CP asymmetries in $D^0 \rightarrow \pi^0 \pi^0$ and $D_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
366	Observation of $B(2S) \rightarrow \rho^0 \pi^0$ and search for $X(3872) \rightarrow \rho^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
365	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
364	Measurement of the $B_{s1}^0 \rightarrow \pi^0 \pi^0$ 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
363	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
362	Observation of the Decays $B^0 \rightarrow \pi^+ \pi^- p K^+$ and $B^0 \rightarrow \pi^+ \pi^- p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
361	Observation of the $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
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359	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
358	Observation of the suppressed decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
357	Test of lepton universality with $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
356	χ_{c1} and χ_{c2} Resonance Parameters with the Decays $B^0 \rightarrow \pi^+ \pi^- \chi_{c1}$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
355	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
354	Search for Baryon-Number Violating B^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
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352	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
351	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

350	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7
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348	First Observation of the Rare Purely Baryonic Decay $B^+ \rightarrow p \overline{\Lambda}^0$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
347	Resonances and CP violation in $B^0 \rightarrow J/\psi K^+ K^-$ 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
346	Study of ($\overline{b}b$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
345	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
344	Measurement of B^0 , B_s^0 , B^+ and \overline{B}^0 production asymmetries in 7 and 8 TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 139-158	4.2	10
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341	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
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338	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^0$ and evidence for $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
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335	Measurement of the Λ_b polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
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331	Evidence for Exotic Hadron Contributions to $\bar{B} \rightarrow \psi \ell \bar{B} \ell$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
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327	First observation of the rare $B^+ \rightarrow \bar{D}^0 K^+ \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
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325	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
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317	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
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315	Model-independent measurement of mixing parameters in $D^0 \rightarrow \bar{K}^* S^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11

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312	Observation of the $B^0 \rightarrow \rho^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
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308	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
307	Observations of $D^0 \rightarrow \rho^0 \pi^0$ and $D^0 \rightarrow \rho^0 K^0$ decays and searches for other D^0 and D^0 decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
306	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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302	Measurement of the CKM angle Γ using $B^0 \rightarrow \rho^0 K^0$ with $D \rightarrow \rho^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	6
301	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
300	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(\text{B} \rightarrow \text{J} \mu^+ \mu^-)}{\mathcal{B}(\text{B} \rightarrow \text{K} \mu^+ \mu^-)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
299	Measurement of forward W $\rightarrow \mu \nu$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
298	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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292	Measurement of CP Violation in B ⁰ →D ⁺ D ⁻ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
291	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
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288	First study of the CP-violating phase and decay-width difference in B _s ⁰ →D _s [±] decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
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286	Search for B _c ⁺ decays to the pp ⁺ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
285	Observation of the B ⁰ →D decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
284	Measurement of CP observables in B _s ⁰ →DK _s [±] and B _s ⁰ →D _s [±] with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 117-131	4.2	16
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279	Precision measurement of CP violation in B(S) ⁰ →B [±] K ⁻ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53

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263	Evidence for the Strangeness-Changing Weak Decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
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250	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^*(0) \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
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244	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
243	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

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237	Measurement of CP violation parameters and polarisation fractions in ($B^0 \rightarrow J/\psi \overline{K}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
236	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
235	Differential branching fraction and angular analysis of $B^0 \rightarrow \mu^+\mu^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
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229	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
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225	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

224	Observation of the $B_0 \rightarrow \mu^+ \mu^-$ decay from an amplitude analysis of $B_0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
223	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow \mu^+ \mu^-$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4.2	25
222	Observation of two new $\Lambda(b)(-)$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
221	Measurement of the CP -violating phase $\arg(B_0 \rightarrow \mu^+ \mu^-)$ 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
220	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
219	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
218	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^- B_0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
217	Measurement of the CP-violating phase $\arg(B_0 \rightarrow \mu^+ \mu^-)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
216	Evidence for the decay $\Lambda_b^0 \rightarrow \Lambda^0 \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
215	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{charm}}^0 \pi^0)$ and $(K_{\text{charm}}^0 K^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
214	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
213	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
212	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
211	Angular analysis of charged and neutral $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
210	Evidence for the decay $(B_{\text{charm}}^+ \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
209	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
208	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
207	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

206	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
205	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
204	Study of the kinematic dependences of B^0 production in pp collisions and a measurement of the $B^0 \rightarrow \mu^+ \mu^-$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	30
203	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15
202	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4-2	23
201	Measurement of the B^0 meson lifetime using $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4-2	32
200	Measurement of B^0 polarisation in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4-2	35
199	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4-2	20
198	Search for the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4-2	8
197	Search for CP violation in the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4-2	15
196	Measurement of the charge asymmetry in $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4-2	10
195	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7-4	234
194	Observation of photon polarization in the $B^0 \rightarrow \mu^+ \mu^-$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7-4	29
193	Precision measurement of the ratio of the $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4-2	43
192	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
191	Measurement of the CP-violating phase ϕ_1 in $B_s(0) \rightarrow D_s(+/-) D_s(-/+)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7-4	17
190	Measurement of CP violation parameters in $B^0 \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	11
189	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

188	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
187	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
186	Observation of $B_{s^*}^0 \rightarrow \{K^* K^{\pm}\} \{K^{\mp}\}$ and evidence for $B_{s^*}^0 \rightarrow \{K^* K^{\pm}\} \{\pi^{\pm}\}$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
185	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta_{\text{eff}}$ with $D \rightarrow K S^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
184	Measurement of the $B^0 \rightarrow B^0$ and $B_s^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
183	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
182	Evidence for CP violation in $B^+ \rightarrow \rho^+ K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
181	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
180	Measurement of resonant and CP components in $B_{s^*}^0 \rightarrow \rho^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
179	Search for Majorana neutrinos in $B^- \rightarrow \mu^- \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
178	Measurement of the $B_{s^*}^0$ meson lifetime in $D_s^+ \rightarrow B_{s^*}^0 K^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
177	Measurement of CP violation in the phase space of $B_{s^*}^0 \rightarrow K^+ K^- \pi^0$ and $B_{s^*}^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
176	Measurement of the resonant and CP components in $B_{s^*}^0 \rightarrow \rho^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
175	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
174	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D^- D^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
173	Dalitz plot analysis of $B_s^0 \rightarrow \rho^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
172	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
171	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30

170	Test of lepton universality using $b \rightarrow c \tau \nu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
169	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
168	Measurement of CP violation in $B_s^0 \rightarrow \tau^+ \tau^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
167	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
166	Observation of $B(s)(0) \rightarrow J/\psi(1285)$ decays and measurement of the $\psi(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
165	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
164	Studies of beauty baryon decays to $D^0 \phi$ and $\bar{D}^0 h_c$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
163	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
162	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
161	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
160	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
159	First observations of the rare decays $B^+ \rightarrow K^+ \pi^+ \pi^-$ and $B^+ \rightarrow K^+ \pi^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
158	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
157	Measurement of the CKM angle α_s using $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ K^- K^+$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
156	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
155	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
154	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
153	A study of CP violation in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ \pi^-$ decays with $D^+ \rightarrow K^+ K^- K^+$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12

152	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
151	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
150	Search for CP violation in $D \rightarrow \mu^+ \mu^-$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
149	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
148	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
147	Measurement of the $B^0 \rightarrow K^0 e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	22
146	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
145	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
144	Measurement of CP observables in $B^0 \rightarrow D K^0$ with $D \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
143	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
142	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
141	First evidence for the annihilation decay mode $\{B^+ \rightarrow D_s^+ \phi\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	13
140	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
139	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
138	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
137	Search for $D(s) \rightarrow \mu^+ \mu^-$ and $D(s) \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
136	Model-independent search for CP violation in $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4.2	19
135	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11

134	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K_S^0 \pi^+$ and $B^+ \rightarrow K_S^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
133	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
132	Study of $B_{(s)}^0 \rightarrow K_{\text{charmless}}^0 h^{\prime\pm}$ 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
131	Measurement of the relative rate of prompt $\Upsilon(0, 1, 2)$ production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
130	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
129	Study of $D^* J$ meson decays to $D^* \pi^0 \pi^0$ and $D^* \pi^+ \pi^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
128	First observation of the decay $(B_c^+ \rightarrow [J/\psi K^+]) \pi^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
127	Searches for $(B_{(s)}^0 \rightarrow [J/\psi \pi^0] \overline{p}) \pi^+$ and $B^+ \rightarrow [J/\psi \pi^0] \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
126	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
125	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
124	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
123	Observation of $B^0 \rightarrow \overline{B}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
122	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
121	Measurement of ρ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
120	Observation of the decay $(B_c^+ \rightarrow [J/\psi K^+]) \pi^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
119	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
118	First evidence for the decay $B(s)(0) \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
117	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78

116	Search for the rare decay ($K_{\mathrm{S}}^0 \rightarrow \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
115	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
114	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
113	Measurement of the effective α_s . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
112	Prompt charm production in pp collisions at $\sqrt{s}=7$. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
111	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
110	Measurement of the CKM angle γ from a combination of $B_{\mathrm{d}}^{\pm} \rightarrow \mathrm{D}^{\pm} h^{\pm}$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
109	Measurement of the $B^0 \rightarrow \pi^0$ oscillation frequency Γ_{d} with the decays $B^0 \rightarrow \mathrm{D}^{\pm} \pi^{\mp}$ and $B^0 \rightarrow \pi^{\pm} \pi^{\mp}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
108	Search for direct CP violation in $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
107	Measurements of the $B^0 \rightarrow \pi^0 \pi^0$ decay amplitudes and the B^0 polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
106	Observation of the decay $B_s^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
105	Search for the rare decay $D^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
104	Measurement of the differential branching fraction of the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
103	Evidence for the decay $B^0 \rightarrow \pi^0 \pi^0$ and measurement of the relative branching fractions of B_s^0 meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
102	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
101	Observation of $B^0 \rightarrow \pi^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
100	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
99	Observations of $B^0 \rightarrow \pi^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16

98	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ oscillation frequency with the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
97	Precision measurement of the $B^0 \rightarrow \pi^+ \pi^-$ oscillation frequency with the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
96	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
95	Search for the lepton-flavor-violating decays $B(s) \rightarrow e^+ \mu^- \tau^+$ and $B \rightarrow e^+ \mu^- \tau^+$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
94	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
93	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \pi^+ K^-$ and $B_s^0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
92	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
91	First observations of $B^0 \rightarrow D^+ D_s^-$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
90	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
89	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
88	First measurement of the CP-violating phase in $B_s(0) \rightarrow \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241801	7.4	14
87	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
86	Measurement of the branching fractions of the decays $B_s^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 K^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
85	Analysis of the resonant components in $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
84	Observation of the decay $B(c)(+) \rightarrow B(s)(0) \pi^+$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
83	Search for the decay $B_s^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
82	Measurement of the polarization amplitudes in $B^0 \rightarrow \pi^+ \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
81	Measurement of CP violation in the phase space of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70

80	Observation of the decay $B_c^+ \rightarrow \rho^+ D_s^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
79	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
78	Observation of $B_c^+ \rightarrow \rho^+ D_s^-$ and $B_c^+ \rightarrow \rho^+ D_s^{*-}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
77	Study of $B^0 \rightarrow \bar{D}^{*0} \pi^0$ and $B^0 \rightarrow \bar{D}^{*0} K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
76	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
75	Studies of the decays $B^+ \rightarrow \rho^+ p$ and observation of $B^+ \rightarrow \rho(1520) p$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
74	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
73	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow \rho^+ K^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
72	First observation of the decay $B_s^{*2}(5840) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
71	First observation of $B^0 \rightarrow \rho^+ K^-$ and search for $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
70	Measurement of the $B_s(0) \rightarrow \rho^0 \pi^0$ branching fraction and search for $B(0) \rightarrow \rho^0 \pi^0$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
69	Search for rare $B(0) \rightarrow (s) \ell^+ \ell^- \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
68	Observation of $B_s^0 \rightarrow \rho^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
67	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
66	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
65	Search for the rare decays $B_s^0 \rightarrow \rho^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
64	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
63	First observation of the decay $B_s^0 \rightarrow \rho^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22

62	Measurement of the $B_s^0 \rightarrow B^0 \pi^0$ oscillation frequency Γ_{th} 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
61	Observation of CP violation in $B^{\pm} \rightarrow D K^{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
60	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
59	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
58	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
57	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
56	Time alignment of the front end electronics of the LHCb calorimeters. <i>Journal of Instrumentation</i> , 2012 , 7, P08020-P08020	1	4
55	Measurement of the B^{\pm} production cross-section in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
54	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} K^{\pm}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\pm} K^{\mp}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
53	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
52	Measurement of the isospin asymmetry in $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
51	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
50	Study of $D^{\pm} \rightarrow K^{\pm} K_{\text{S}}^0$ and $D^0 \rightarrow K^+ K^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
49	Measurement of the fraction of $\chi(1S)$ originating from $B(1P)$ decays in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
48	First observation of the decay $B \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
47	Evidence for CP violation in time-integrated $D^0 \rightarrow h^+ h^-$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
46	Measurements of the branching fractions and CP asymmetries of $B^{\pm} \rightarrow \pi^{\pm} \pi^0$ and $B^{\pm} \rightarrow \pi^{\pm} \pi^{\pm} \pi^{\mp}$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
45	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

44	Measurement of the ratio of branching fractions $B(B \rightarrow K^* 0) / B(B \rightarrow \rho^+)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
43	Searches for Majorana neutrinos in $B \rightarrow \mu \mu$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
42	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
41	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
40	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
39	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \mu \mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
38	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
37	Measurement of the cross-section ratio $\sigma(B \rightarrow \mu \mu) / \sigma(B \rightarrow \mu \mu)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
36	Measurement of $B \rightarrow \mu \mu$ meson production in collisions at $\sqrt{s} = 0.9$ and 1.36 TeV. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
35	Measurement of relative branching fractions of decays to $B \rightarrow \mu \mu$ and $B \rightarrow \mu \mu$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
34	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and 1.36 TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
33	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
32	A model-independent Dalitz plot analysis of $B \rightarrow \mu \mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
31	Measurement of the ratio of prompt $B \rightarrow \mu \mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
30	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
29	Inclusive W and Z production in the forward region at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
28	First observation of the decay $B(c) \rightarrow \mu \mu$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
27	Differential branching fraction and angular analysis of the decay $B \rightarrow \mu \mu$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39

26	Measurement of the B_c^0 effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
25	First observation of the decays $B^0 \rightarrow D^+ K^- \pi^+ \pi^-$ and $B^- \rightarrow D^0 K^- \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
24	Observation of excited $\Lambda_b(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
23	Analysis of the resonant components in $B_c^0 \rightarrow \eta \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
22	Determination of the sign of the decay width difference in the B_c^0 system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
21	Measurement of the $B_c^0 \rightarrow \eta \pi^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
20	Strong constraints on the rare decays $B_c^0 \rightarrow \eta \pi^0$ and $B^0 \rightarrow \eta \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
19	Search for lepton number violating decays $B^+ \rightarrow \eta \mu^+ \mu^-$ and $B^+ \rightarrow \eta K^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
18	Measurement of the CP-violating phase ϕ_c in the decay $B_c^0 \rightarrow \eta \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
17	Search for the $X(4140)$ state in $B^+ \rightarrow \eta \pi^+ K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
16	First observation of the decays $B_c^0 \rightarrow D_s^+ K^- \pi^0$ and $B_c^0 \rightarrow D_s^1(2536)^+ \pi^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
15	Measurements of B_c^+ production and mass with the $B_c^+ \rightarrow \eta \pi^+$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
14	Observation of $B^0 \rightarrow D^0 K^+ K^-$ and evidence for $B_c^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
13	Observation of $B_c^0 \rightarrow \eta(2) \pi^0$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
12	Measurement of the inclusive η 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
11	First observation of the decay $\eta \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 32-39	4.2	14
10	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
9	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

8	Search for CP violation in $D^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
7	First observation of $B^0 \rightarrow D_s^{*2} X$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 14-20	4.2	25
6	First observation of $B_s^0 \rightarrow \mu^+ \mu^- (980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
5	Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
4	Measurements of the branching fractions for $B(s) \rightarrow D(s) \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
3	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B^0 \rightarrow D^- K^+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
2	Prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 69-80.	4.2	20
1	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107