

Celestina Satriano

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4777832/celestina-satriano-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

550 papers	20,089 citations	68 h-index	115 g-index
564 ext. papers	23,313 ext. citations	5.2 avg, IF	6.09 L-index

#	Paper	IF	Citations
550	A Method Based on Muon System to Monitor LHCb Luminosity. <i>Symmetry</i> , 2022 , 14, 860	2.7	
549	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
548	Measurement of the relative $B^0/D^0/D^{*0}$ branching fractions using B^0 mesons from $B^0 \rightarrow D^{*0}$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
547	Measurement of CP observables in the process $B^0 \rightarrow D K^{*0}$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
546	Search for the rare decay $(\{B^+\} \rightarrow \{\mu^+\} \{\mu^-\} \{\mu^+\} \{\nu_{\mu}\})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
545	Bose-Einstein correlations and $b\bar{b}$ correlations in pp collisions with LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 347-350	1.3	
544	Measurement of the CP-violating phase ϕ from $B_s^0 \rightarrow \pi^0 \pi^0$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134789	4.2	2
543	Highlights from the LHCb experiment. <i>Nuclear Physics A</i> , 2019 , 982, 15-21	1.3	
542	Direct photon production at LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 251-254	1.3	4
541	Study of coherent J/ψ production in lead-lead collisions at $\sqrt{s_{NN}}=5\text{TeV}$ with the LHCb experiment. <i>Nuclear Physics A</i> , 2019 , 982, 247-250	1.3	11
540	Observation of the $(\Lambda_b^0 \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
539	Prompt \bar{B}^+ baryons and D^0 meson production cross-section and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ with the LHCb detector. <i>Nuclear Physics A</i> , 2019 , 982, 683-686	1.3	1
538	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
537	Search for CP Violation in $D_{s1}^+ \rightarrow K_{S1}^0 \pi^+$, $D^+ \rightarrow K_{S1}^0 K^+$, and $D^+ \rightarrow \pi^0 \pi^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
536	Observation of $B_{(s)}^0 \rightarrow \pi^0 \pi^0$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
535	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{NN}}=8.16\text{ TeV}$. <i>Physical Review D</i> , 2019 , 99,	4.9	12
534	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51

533	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
532	Observation of an Excited $B_{\{c\}}^{+}$ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
531	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
530	Observation of the doubly Cabibbo-suppressed decay $\Xi^{-} \rightarrow \bar{c} \ell \bar{\nu}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
529	Model-Independent Observation of Exotic Contributions to $B^{+} \rightarrow \bar{D}^{+} K^{+} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
528	Search for CP violation through an amplitude analysis of $D^0 \rightarrow \bar{K}^{*0} K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
527	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
526	Measurement of the mass and production rate of \bar{B}^0 baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
525	Measurement of the branching fractions of the decays $D^{+} \rightarrow \bar{K}^{*0} K^{+}$, $D^{+} \rightarrow \bar{K}^{*0} K^{+}$ and $D^{+} \rightarrow \bar{K}^{*0} K^{+}$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
524	Study of the $B^0 \rightarrow \bar{K}^{*0} K^{*0}$ decay with an amplitude analysis of $B^0 \rightarrow \bar{K}^{*0} K^{*0}$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
523	Measurement of the ratio of branching fractions of the decays $\bar{B}^0 \rightarrow \bar{K}^{*0} K^{*0}$ and $\bar{B}^0 \rightarrow \bar{K}^{*0} K^{*0}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
522	Dalitz plot analysis of the $D^{+} \rightarrow \bar{K}^{*0} K^{+}$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
521	Precision measurement of the \bar{B}^0 , B^0 , and \bar{B}^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
520	Amplitude analysis of $B^0 \rightarrow \bar{K}^{*0} K^{*0}$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
519	First Observation of the Radiative Decay $\bar{B}^0 \rightarrow \bar{K}^{*0} \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
518	Measurement of the branching fraction and (C)P asymmetry in $(\bar{B}^0 \rightarrow \bar{K}^{*0} \rho^{+}) \rightarrow \bar{K}^{*0} \rho^{+}$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
517	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
516	Near-threshold $(\bar{D}^0 \rightarrow \bar{D}^0)$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16

515	Amplitude analysis of the $(\{B\}_{(s)}^0 \rightarrow \{K\}^{\ast 0} \overline{\{K\}}^{\ast 0})$ decays and measurement of the branching fraction of the $(\{B\}^0 \rightarrow \{K\}^{\ast 0} \overline{\{K\}}^{\ast 0})$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
514	Observation of New Resonances in the $\Xi_b^0 \Xi^+ \Xi^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
513	Updated measurement of time-dependent (CP)-violating observables in $(\{B\}^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
512	Measurements of CP asymmetries in charmless four-body $(\{\varLambda\}^0 \rightarrow \{b\})$ and $(\{\varXi\}^0 \rightarrow \{b\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
511	Prompt Ξ_c production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
510	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
509	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
508	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
507	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
506	Observation of Two Resonances in the $\Xi_b^0 \Xi^+ \Xi^-$ Systems and Precise Measurement of $\Xi_b^0 \rightarrow \ell^+ \ell^-$ and $\Xi_b^0 \rightarrow \ell^+ \ell^-$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
505	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
504	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
503	First observation of forward $Z\text{-}b\bar{b}$ production in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1
502	Measurement of CP observables in $B \rightarrow D^0 K$ and $B \rightarrow D^0 \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
501	A measurement of the CP asymmetry difference between $\Xi^+ \rightarrow \ell^+ p K^0$ and $p \rightarrow \ell^+ \Xi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
500	Measurement of CP asymmetry in $B^0 \rightarrow \ell^+ \ell^- \pi^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
499	Search for the lepton-flavour violating decays $B^0 \rightarrow (s) \ell^+ \ell^- \pi^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
498	First measurement of the CP-violating phase $(\phi_s^{\overline{d}})$ in $B^0 \rightarrow \ell^+ \ell^- (K^0)$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

497	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*+} \ell^- \bar{\nu}_\ell$ branching fraction using three-prong ℓ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
496	Measurement of the Ratio of the $B^+ \rightarrow D^{*-} \ell^+ \nu_\ell$ and $B^+ \rightarrow D^{*-} \ell^+ \nu_\ell$ Branching Fractions Using Three-Prong ℓ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
495	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow D/\bar{D} \ell^+ \nu_\ell)/B(B_{c^+} \rightarrow D/\bar{D} \ell^+ \nu_\ell)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
494	Search for B_c^+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
493	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
492	Measurement of branching fractions of charmless four-body $D^0 b$ and $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
491	Observation of the decay $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
490	Observation of a New Ξ_{bb}^0 Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
489	Evidence for the Rare Decay $D^0 \rightarrow \rho^+ \rho^- \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
488	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	13
487	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0 K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
486	Study of η' production in pPb collisions at $(\sqrt{s_{NN}} = 8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
485	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
484	Search for CP violation in $B^0 \rightarrow \rho^0 K^0$ and $B^0 \rightarrow \rho^0 \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
483	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
482	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
481	Observation of the decay $B_s^0 \rightarrow D^0 K^0 K^0$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
480	Observation of $B_s^0 \rightarrow D^0 \pi^0$ and search for $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5

479	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
478	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
477	Measurement of γ production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
476	Measurement of forward top pair production in the dilepton channel in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
475	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$) in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
474	Search for a dimuon resonance in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
473	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
472	Angular moments of the decay $\Lambda_b \rightarrow \Lambda^0 \pi^+ \pi^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
471	Measurement of Z production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
470	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \pi^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
469	Measurement of D^0 production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
468	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
467	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
466	Evidence for the decay ($B_s^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
465	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
464	Observation of the decay $\Lambda_b \rightarrow \Lambda(2S) p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
463	Measurement of the CP asymmetry in $B \rightarrow D^0 D^0$ and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
462	Search for CP violation using triple product asymmetries in $\Lambda_b \rightarrow p K^0 \pi^0$ and $\Lambda_b \rightarrow p K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7

461	Updated determination of D^0D^0 mixing and CP violation parameters with $D^0\bar{K}^0$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
460	Search for the rare decay $B^+\rightarrow\bar{p}\pi^0$ <i>Physical Review D</i> , 2018 , 97,	4.9	9
459	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
458	First observation of $B^+\rightarrow fD^0 + s^+ K^0 K^0$ decays and a search for $B^+\rightarrow fD^0 + s^+ ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
457	Measurements of the branching fractions of $\bar{B}^0\rightarrow\bar{p}\pi^0$, $\bar{B}^0\rightarrow\bar{p}K^0K^0$, and $\bar{B}^0\rightarrow\bar{p}K^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
456	Measurement of CP violation in $B^0\rightarrow fD^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
455	Amplitude Analysis of the Decay $B^0\rightarrow\bar{K}^0_S\pi^+\pi^-$ and First Observation of the CP Asymmetry in $B^0\rightarrow\bar{K}^{*0}(892)^-\pi^+$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
454	Search for the CP-violating strong decays $B^0\rightarrow\pi^0\pi^0$ and $B^0\rightarrow\pi^0\pi^0(958)^0$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
453	Search for the suppressed decays $B^+\rightarrow\bar{K}^0K^0$ and $B^+\rightarrow\bar{K}^0K^0$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
452	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6.2	45
451	Amplitude analysis of $B^+\rightarrow\bar{p}K^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
450	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+\rightarrow\bar{p}K^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
449	Observation of the Annihilation Decay Mode $B^0\rightarrow\bar{K}^0K^0$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
448	First Experimental Study of Photon Polarization in Radiative B^0 Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
447	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
446	Observation of the decay $B^0\rightarrow\pi^0\pi^0$ and evidence for $B^0\rightarrow\pi^0\pi^0$ <i>Physical Review D</i> , 2017 , 95,	4.9	17
445	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
444	Measurement of the phase difference between short- and long-distance amplitudes in the $[B\rightarrow\pi\pi]$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25

443	Study of the $D^0 p$ amplitude in $D^0 b \rightarrow D^0 p \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
442	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
441	Observation of $[B^0 \rightarrow \pi^0 \pi^0]$ and $[B^0 \rightarrow \pi^0 \pi^0]$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
440	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
439	Observation of the Decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
438	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
437	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
436	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
435	Observation of charmless baryonic decays $B(s)^0 \rightarrow p \pi^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
434	Study of charmonium production in $\pi^+ \pi^-$ hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
433	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
432	Observation of $B_c^+ \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
431	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
430	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
429	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
428	Search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
427	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
426	Measurement of $B_{\{s\}}^0$ and $D_{\{s\}}^0$ Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10

425	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
424	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
423	Observation of $B_{c1}^+ \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
422	Observation of Five New Narrow Ξ_{cc}^0 States Decaying to $\Xi_{cc}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
421	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
420	Observation of $\Xi(2S) \rightarrow \bar{p} p$ and search for $X(3872) \rightarrow \bar{p} p$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
419	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
418	Measurement of the $B_{s1}^0 \rightarrow \pi^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
417	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
416	Observation of the Decays $\Xi_b^0 \rightarrow \Xi_{c1}^+ p K^-$ and $\Xi_b^0 \rightarrow \Xi_{c2}^+ p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
415	Observation of the $B^+ \rightarrow D^{*+} \pi^0$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
414	Search for the Decays $B_{s1}^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
413	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
412	Observation of the suppressed decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
411	Test of lepton universality with $B^0 \rightarrow \ell^+ \ell^- \pi^0$ Decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
410	Ξ_{c1} and Ξ_{c2} Resonance Parameters with the Decays $\Xi_{c1,2}^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
409	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
408	Search for Baryon-Number Violating Ξ_b^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1

407	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
406	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
405	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
404	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4-2	7
403	Evidence for the two-body charmless baryonic decay $(\{B\}^+ \rightarrow \overline{\Lambda}^0)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
402	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \overline{p}$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
401	Resonances and CP violation in B^0 and $(\overline{B}^0 \rightarrow J/\psi \{K\}^+ \{K\}^-)$ decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	13
400	Study of $(\mathrm{b} \overline{\mathrm{b}})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
399	Measurement of CP observables in $B \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
398	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
397	Measurement of CP violation in $B^0 \rightarrow J/\psi K^0$ and $B^0 \rightarrow \psi(2S) K^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	2
396	First Observation of a Baryonic $B_{\{s\}}^0$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7-4	10
395	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4-2	23
394	Updated branching fraction measurements of $B(s) \rightarrow K^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	4
393	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
392	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	6
391	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	3
390	Measurement of the $B \rightarrow \pi$ production cross-section in pp collisions at $s = 7 \sqrt{s}=7$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	8

389	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
388	Measurement of the CP Asymmetry in $B_{s^0}-B_{\overline{s}^0}$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
387	Model-Independent Evidence for J/ψ Contributions to $\Upsilon(b^0)-\psi/\psi K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
386	Evidence for Exotic Hadron Contributions to $\Upsilon(b^0)-\psi/\psi K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
385	Studies of the resonance structure in $D^0\text{-}\overline{K}S^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
384	Measurement of the mass and lifetime of the Ξ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
383	First Observation of $D^0\text{-}\overline{D}^0$ Oscillations in $D^0\text{-}\overline{K}^{*0}\pi^+\pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
382	First observation of the rare $B^+-\overline{D}^0 K^+\pi^-$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
381	Measurement of the $B_s^0\text{-}\overline{D}_s^{(*)}+D_s^{(*)}\pi$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
380	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0\text{-}\overline{D}^0 K^+\pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
379	Observation of $B_{s^0}-\overline{B}^0$ Mixing in $B_{s^0}\text{-}\overline{D}^0 K_{S^0}^0$ and Evidence for $B_{s^0}-\overline{B}^0$ Mixing in $B_{s^0}\text{-}\overline{D}^0 K_{S^0}^0$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
378	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0\text{-}\overline{K}^{*0}K^+$ and $D^0\text{-}\pi^+\pi^+$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25
377	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}^0$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
376	Search for Structure in the $B_{(s)}^0\pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
375	Differential branching fraction and angular moments analysis of the decay $B^0\text{-}\overline{K}^{*0}\pi^0$ in the $K^0, 2(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
374	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
373	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
372	Study of $(\overline{2}S)$ 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

371	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	11
370	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
369	First observation of the decay $B^0 \rightarrow K^{*0} K^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
368	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
367	First observation of the decay $D^0 \rightarrow K^+ K^-$ 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
366	Angular analysis of the $B^0 \rightarrow K^{*0} \pi^0$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
365	Measurement of the front-end dead-time of the LHCb muon detector and evaluation of its contribution to the muon detection inefficiency. <i>Journal of Instrumentation</i> , 2016 , 11, P04010-P04010	1	2
364	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
363	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
362	Observations of $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^-$ decays and searches for other D^0 and D^0 decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
361	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
360	Observation of $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays and a measurement of the D^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
359	Measurement of the properties of the D^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
358	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
357	Measurement of the CKM angle α using $B^0 \rightarrow K^{*0} K^0$ with $D \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	6
356	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
355	Measurement of the ratio of branching fractions $(\frac{\mathcal{B}(B \rightarrow K^+ \ell^+ \nu_\ell)}{\mathcal{B}(B \rightarrow K^+ \ell^+ \nu_\ell)})$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
354	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, 1	5-4	8

353	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
352	Measurements of the S-wave fraction in $B^0 \rightarrow \bar{K}^0 \pi^0$ decays and the $B^0 \rightarrow \bar{K}^0 \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
351	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
350	A new algorithm for identifying the flavour of B mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
349	Amplitude analysis of $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
348	Study of B_c^+ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow \bar{B}^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
347	Measurement of CP Violation in $B^0 \rightarrow \bar{D}^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
346	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
345	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
344	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow \bar{D} K^0$ decays with $D \rightarrow \bar{K}^0 \pi^0$ and $K^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
343	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
342	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5$ TeV proton-lead collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 473-483	4.2	32
341	Search for B_c^+ decays to the $p \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
340	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
339	Measurement of CP observables in $B \rightarrow \bar{D} K$ and $B \rightarrow \bar{D} \pi$ 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
338	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
337	Determination of Γ and Γ 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
336	Study of the rare B_s^0 and B^0 decays into the $\pi^0 \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13

335	Measurement of the semileptonic CP asymmetry in $B^0\text{-}B^0$ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
334	Precision measurement of CP violation in $B(S)(0)\text{-}\bar{B}/K^+\text{-}$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
333	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
332	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
331	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
330	Search for CP violation in $D^0\text{-}\bar{D}^0$ 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
329	Study of $B^0\text{-}\bar{B}^0$ mixing from measurement of $B(s)0\text{-}f_1/\rho$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
328	Measurement of the $Z+b$ -jet cross-section in pp collisions at $(\sqrt{s})=7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
327	Search for the lepton flavour violating decay $B^0\text{-}\bar{B}^0\text{-}\ell^+\ell^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
326	Precise measurements of the properties of the $B(5721)0,+$ and $B^*(5747)0,+$ states and observation of $B^+,0^+$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
325	Measurement of indirect CP asymmetries in $D^0\text{-}f_1K^+$ and $D^0\text{-}f_1\bar{K}^0$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
324	Observation of the rare $B(s)(0)\text{-}\bar{B}^0\text{-}\pi^0$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
323	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
322	Measurement of the $[B^0\text{-}\bar{B}^0]$ production cross-section in proton-proton collisions via the decay $[B^0\text{-}\bar{B}^0]\text{-}\pi^+\pi^-$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
321	Study of CP violation in $B^0\text{-}\bar{B}^0$ with the modes $D\text{-}\bar{K}^0\pi^0$, $D\text{-}\bar{K}^0\pi^0$ and $D\text{-}\bar{K}^0\pi^0$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
320	Study of $B\text{-}\bar{B}^0\text{-}K^0\pi^0$ and $B\text{-}\bar{B}^0\text{-}K^0\pi^0$ decays and determination of the CKM angle α . <i>Physical Review D</i> , 2015 , 92,	4.9	4
319	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	7.4	16
318	Evidence for the Strangeness-Changing Weak Decay $[b]^-\text{-}[b]^0\pi^-$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14

317	First observation and amplitude analysis of the $B^0 \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
316	Quantum numbers of the X(3872) state and orbital angular momentum in its $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
315	Amplitude analysis of $B^0 \rightarrow \pi^0 K^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
314	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
313	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
312	Measurement of the branching fraction ratio $B(B_c \rightarrow \pi^0 \pi^0)/B(B_c \rightarrow \pi^0 \pi^0)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
311	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
310	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
309	Measurement of CP Violation in $B^0 \rightarrow \pi^0 K^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
308	Observation of the $B(s)(0) \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
307	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \pi^0 \Lambda^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
306	Measurement of the ratio of branching fractions $B(B \rightarrow \pi^0 \pi^0 \pi^0)/B(B \rightarrow \pi^0 \pi^0 \pi^0)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
305	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^0 \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
304	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	7.4	37
303	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	7.4	305
302	Measurement of CP asymmetries and polarisation fractions in $(\{B\}_s^0 \rightarrow \{K\}^{\ast 0} \pi^0)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
301	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
300	Search for the $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6

299	Measurement of the exclusive Υ production cross-section in pp collisions at ($\sqrt{s}=7$) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	42
298	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
297	Forward production of Υ mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
296	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
295	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
294	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
293	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
292	Measurement of CP violation parameters and polarisation fractions in ($\mathbf{B} \rightarrow \mathbf{J}/\psi \mathbf{K}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
291	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
290	Differential branching fraction and angular analysis of $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
289	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
288	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
287	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
286	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4-2	12
285	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	138
284	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
283	Angular analysis of the $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20
282	Determination of the branching fractions of $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5

281	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
280	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4.2	9
279	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow \pi^0 \ell^+ \bar{\nu}_\ell$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4.2	25
278	Observation of two new $\Lambda(b)^{-}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
277	Measurement of the CP -violating phase $\arg(B^0 \rightarrow \pi^0 \pi^0)$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 38-49	4.2	24
276	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
275	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
274	Effective lifetime measurements in the $B^0 \rightarrow K^+ K^- B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
273	Measurement of the CP-violating phase ϕ_s in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
272	Evidence for the decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
271	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
270	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{matrix}}^0 \pi^0)$ and $(K_{\text{matrix}}^0 \pi^+ \pi^-)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{matrix}}^0 \pi^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
269	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
268	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
267	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^{*}(892)^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
266	Angular analysis of charged and neutral $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
265	Evidence for the decay $(B_c^+ \rightarrow \psi(3686) \pi^+)$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
264	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

263	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ K^-$ and $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42
262	Study of (ϵ') 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
261	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
260	Observation of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
259	Study of the kinematic dependences of B^0 production in pp collisions and a measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	30
258	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15
257	Measurement of ϵ' production in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4-2	23
256	Measurement of the B^0 meson lifetime using $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4-2	32
255	Measurement of B^0 polarisation in $B^0 \rightarrow \pi^+ \pi^-$ collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4-2	35
254	Measurement of charged particle multiplicities and densities in B^0 collisions at $\sqrt{s} = 7$ TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4-2	20
253	Search for the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4-2	8
252	Search for CP violation in the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4-2	15
251	Measurement of the charge asymmetry in $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4-2	10
250	Observation of the resonant character of the $Z(4430)^0$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7-4	234
249	Observation of photon polarization in the $B^0 \rightarrow \pi^+ \pi^-$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7-4	29
248	Precision measurement of the ratio of the $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4-2	43
247	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
246	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

245	Measurement of CP violation parameters in $B^0 \rightarrow DK^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
244	Measurements of CP violation in the three-body phase space of charmless B^\pm decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
243	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7\text{ TeV}$. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83
242	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^0 \pi^+ \pi^-$ and $B^+ \rightarrow K^+ \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
241	Observation of $B_{s^0} \rightarrow \{K^{*\mp}\} \{K^{\mp}\} \pi^0$ and evidence for $B_{s^0} \rightarrow \{K^{*-}\} \{K^0\} \pi^0$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
240	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D^0 \rightarrow K^0 \pi^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
239	Measurement of the $B^0 \rightarrow B^0$ and $B_s^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
238	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
237	Evidence for CP violation in $B^+ \rightarrow \bar{p} p K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
236	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
235	Measurement of resonant and CP components in $B_c^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
234	Search for Majorana neutrinos in $B^- \rightarrow \bar{\nu} \nu$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
233	Measurement of the B_c^\pm meson lifetime in $D_s^\pm \rightarrow B_c^\pm$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
232	Measurement of CP violation in the phase space of $B^\pm \rightarrow K^\pm K^- \pi^0$ and $B^\pm \rightarrow \bar{K}^\pm \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
231	Measurement of the resonant and CP components in $B_c^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
230	Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass $2.86\text{ GeV}/c^2$. <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
229	Measurement of the $B_s(0) \rightarrow \bar{D}_s D_s^+$ and $B_s(0) \rightarrow \bar{D} D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
228	Dalitz plot analysis of $B_s^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70

227	Measurements of indirect CP asymmetries in $D^0 \rightarrow \bar{K}^+ K^-$ and $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
226	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
225	Test of lepton universality using $b \rightarrow \tau \ell$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
224	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
223	Measurement of CP violation in $B_s^0 \rightarrow \tau^+ \tau^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
222	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
221	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
220	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
219	Studies of beauty baryon decays to $D^0 \phi$ and $D^+ h$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
218	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
217	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
216	Search for CP violation using T-odd correlations in $D^0 \rightarrow \bar{K}^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
215	Search for CP violation in $D^0 \rightarrow \bar{K}^0 K^0$ and $D^+ \rightarrow \bar{K}^0 K^+$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
214	First observations of the rare decays $B \rightarrow \bar{K}^+ \ell^- \ell^+$ and $B \rightarrow \bar{K}^0 \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
213	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
212	Measurement of the CKM angle $\bar{\Gamma}$ using $B \rightarrow \bar{D} K$ with $D \rightarrow K^0 S^+ \bar{K}^0 S^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
211	Measurement of CP asymmetry in $B^0 \rightarrow \bar{D}^+ S^- K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
210	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

209	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
208	A study of CP violation in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 \pi^0$ decays with $D \rightarrow K^0 \pi^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
207	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
206	Differential branching fraction and angular analysis of the decay $(B_{s^0}^0) \rightarrow \rho^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
205	Search for CP violation in $D \rightarrow \rho^0 \pi^0$ and $(D_{s^+} \rightarrow K_{S^0}^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
204	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	48
203	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
202	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
201	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
200	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
199	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
198	Differential branching fraction and angular analysis of the $B^0 \rightarrow K^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
197	First evidence for the annihilation decay mode $B^+ \rightarrow D_{s^+}^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
196	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
195	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
194	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
193	Search for $D(s) \rightarrow \rho^0 \pi^0$ and $D(s) \rightarrow \rho^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
192	Model-independent search for CP violation in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4.2	19

191	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \bar{K} S^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4.2	11
190	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow \bar{K} S^0 \pi^+$ and $B^+ \rightarrow \bar{K} S^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
189	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 \{h^+ \} \{h^{\prime -} \}$ decays with first observation of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 \{K^{\pm} \} \{\pi^{\mp} \}$ and $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 \{\pi^+ \} \{\pi^-\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
188	Measurement of the relative rate of prompt Υ^0 , Υ^1 and Υ^2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
187	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
186	Study of D^0 meson decays to $D^+ \pi^- \pi^0$ and $D^+ \pi^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
185	First observation of the decay $(B_c^+ \rightarrow \{J/\psi \} \{K^+ \})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
184	Searches for $(B_{(s)}^0 \rightarrow \{J/\psi \} \overline{p} \pi^+)$ and $B^+ \rightarrow \overline{p} \pi^+ \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
183	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \pi^0 \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
182	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
181	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
180	Observation of $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
179	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
178	Measurement of Λ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
177	Observation of the decay $(B_c^+ \rightarrow \overline{K}^0 \pi^+ K^+)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
176	First observation of the decay $(B_{(s)}^0 \rightarrow \pi^0 \overline{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
175	First evidence for the decay $B(s)(0) \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
174	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78

173	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
172	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
171	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
170	Measurement of the effective . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
169	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
168	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
167	Measurement of the CKM angle Γ from a combination of $B \rightarrow D h$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
166	Measurement of the $B \rightarrow D$ oscillation frequency Γ with the decays $B \rightarrow D$ and $B \rightarrow \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
165	Search for direct CP violation in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
164	Measurements of the $B \rightarrow \pi$ decay amplitudes and the B 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
163	Observation of the decay $B \rightarrow D$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
162	Search for the rare decay $D \rightarrow \pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
161	Measurement of the differential branching fraction of the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
160	Evidence for the decay $B \rightarrow \pi$ and measurement of the relative branching fractions of B meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
159	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
158	Observation of . <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
157	Observation of $D \rightarrow D$ oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
156	Observations of . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16

155	Measurement of the Λ_b^0 baryon lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
154	Precision measurement of the B_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D_s^- \pi^+$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
153	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
152	Search for the lepton-flavor-violating decays $B(s)0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ and $B0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
151	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
150	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \ell^+ \ell^- K^+ K^-$ and $B_s^0 \rightarrow \ell^+ \ell^- \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
149	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
148	First observations of $B \rightarrow D^* D$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
147	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
146	Measurement of the CP asymmetry in $B(+) \rightarrow K(+) \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
145	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
144	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
143	Analysis of the resonant components in $B \rightarrow \ell^+ \ell^- K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
142	Observation of the decay $B(c)(+) \rightarrow B(s)(0) \pi^+$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
141	Search for the decay $B_s^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
140	Measurement of the polarization amplitudes in $B^0 \rightarrow \ell^+ \ell^- K^*(892)^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
139	Measurement of CP violation in the phase space of $B \rightarrow K \pi \pi$ and $B \rightarrow K \pi K^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
138	Observation of the decay $B_c^+ \rightarrow \psi(2S) \pi^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	28

137	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
136	Observation of $B_c^{+-} \rightarrow \ell^+ \ell^- D_s^{*+}$ and $B_c^{+-} \rightarrow \ell^+ \ell^- D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
135	Study of $B^0 \rightarrow \ell^+ \ell^- \pi^0$ and $B^0 \rightarrow \ell^+ \ell^- \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
134	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
133	Studies of the decays $B^+ \rightarrow \rho^0 \pi^+$ and observation of $B^+ \rightarrow \rho(1520) \pi$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
132	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
131	Amplitude analysis and branching fraction measurement of $B \rightarrow \ell^+ \ell^- K$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
130	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
129	First observation of $B \rightarrow \ell^+ \ell^- K$ and search for $B \rightarrow \ell^+ \ell^- \pi$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
128	Measurement of the $B_s(0) \rightarrow \ell^+ \ell^-$ branching fraction and search for $B(0) \rightarrow \ell^+ \ell^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
127	Search for rare $B(0) \rightarrow (s) \ell^+ \ell^- \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
126	Performance of the LHCb muon system. <i>Journal of Instrumentation</i> , 2013 , 8, P02022-P02022	1	120
125	Observation of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
124	Measurement of the effective $B_s \rightarrow K + K$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
123	Measurement of the CP violating phase . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34
122	Search for the rare decays . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
121	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
120	First observation of the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22

119	Measurement of the $B_s^0 \rightarrow B^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s(B)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
118	Observation of CP violation in $B^0 \rightarrow D^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
117	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
116	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
115	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
114	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
113	Measurement of the B^0 production cross-section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
112	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} K^{\pm}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
111	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
110	Measurement of the isospin asymmetry in $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
109	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
108	Study of D^0 decays to $D^+ K_{\text{S}}^0$ and $D^0 K^+ K^-$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
107	Measurement of the fraction of $\Lambda(1520)$ originating from $\Lambda_b(5620)$ decays in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17
106	First observation of the decay $B \rightarrow \pi^0 \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
105	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
104	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
103	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
102	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* \pi)/B(B^0 \rightarrow \rho \pi)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12

101	Searches for Majorana neutrinos in B^0 decays. <i>Physical Review D</i> , 2012 , 85, 111001	4.9	47
100	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85, 111002	4.9	105
99	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
98	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
97	Measurement of the polarization amplitudes and triple product asymmetries in the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
96	Measurement of the CP-violating phase ϕ_1 in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
95	Measurement of the cross-section ratio $\sigma(B^0 \rightarrow \pi^0 \pi^0) / \sigma(B^0 \rightarrow \pi^+ \pi^-)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
94	Measurement of $(2) \rightarrow \pi^0 \pi^0$ meson production in collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
93	Measurement of relative branching fractions of decays to $(2) \rightarrow \pi^0 \pi^0$ and $(2) \rightarrow \pi^+ \pi^-$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
92	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
91	Measurement of the effective $B^0 \rightarrow \pi^0 \pi^0$ branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
90	A model-independent Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
89	Measurement of the ratio of prompt $B^0 \rightarrow \pi^0 \pi^0$ to $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
88	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
87	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
86	First observation of the decay $B(c)^+ \rightarrow J/\psi \ell^+ \nu_\ell$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
85	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
84	Measurement of the $B^0 \rightarrow J/\psi(0) \pi^0$ effective lifetime in the $J/\psi(0) \pi^0$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14

83	First observation of the decays $B(0) \rightarrow D^{(*)}K^{(*)}K^{(*)}$ and $B^{(-)} \rightarrow D^{(*)}K^{(*)}K^{(*)}$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
82	Observation of excited $\Lambda_b(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
81	Analysis of the resonant components in $B_s^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
80	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
79	Measurement of the $B_s^0 \rightarrow \pi^0 \pi^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
78	Strong constraints on the rare decays $B(s)(0) \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
77	Search for lepton number violating decays $B^+ \rightarrow \ell^+ \pi^0 \pi^0$ and $B^+ \rightarrow \ell^+ K^- \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
76	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow f_1 \pi$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
75	Search for the $X(4140)$ state in $B^+ \rightarrow \pi^0 K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
74	First observation of the decays $B_c(s)0 \rightarrow D_s^+ K^- \pi^0$ and $B_c^0 \rightarrow D_s^+ \pi^- (2536) + \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
73	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow f_1 \pi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
72	Observation of $B^0 \rightarrow D^{(*)}K^{(*)}K^{(*)}$ and evidence for $B(s)(0) \rightarrow D^{(*)}K^{(*)}K^{(*)}$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
71	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
70	Observation of $B(s)(0) \rightarrow f_1 \pi(2)'(1525)$ in $J/\psi \rightarrow K^- K^+$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
69	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
68	Measurement of the inclusive γ cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 267-273	4.2	18
67	First observation of the decay $\Lambda_b \rightarrow \Lambda \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 32-39	4.2	14
66	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

65	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
64	Search for CP violation in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
63	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
62	First observation of $B_s^0 \rightarrow D^{*0}(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
61	Search for the rare decays $B_s^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
60	Measurements of the branching fractions for $B(s) \rightarrow D(s) \pi$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review D</i> , 2011 , 84,	4.9	20
59	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
58	Performance of the LHCb muon system with cosmic rays. <i>Journal of Instrumentation</i> , 2010 , 5, P10003-P10003	2	
57	Prompt Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 69-80	4.2	20
56	Measurement of Λ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
55	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
54	Measurements of atmospheric muon neutrino oscillations, global analysis of the data collected with MACRO detector. <i>European Physical Journal C</i> , 2004 , 36, 323-339	4.2	90
53	Search for stellar gravitational collapses with the MACRO detector. <i>European Physical Journal C</i> , 2004 , 37, 265-272	4.2	7
52	The cosmic ray primary composition between 1015 and 1016 eV from Extensive Air Showers electromagnetic and TeV muon data. <i>Astroparticle Physics</i> , 2004 , 20, 641-652	2.4	64
51	The cosmic ray proton, helium and CNO fluxes in the 100 TeV energy region from TeV muons and EAS atmospheric Cherenkov light observations of MACRO and EAS-TOP. <i>Astroparticle Physics</i> , 2004 , 21, 223-240	2.4	42
50	Experimental determination of the Townsend coefficient for Argon-CO ₂ gas mixtures at high fields. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 513, 484-489	1.2	8
49	Calibrations of CR39 and Makrofol nuclear track detectors and search for exotic particles. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003 , 125, 217-221		1
48	Moon and Sun shadowing effect in the MACRO detector. <i>Astroparticle Physics</i> , 2003 , 20, 145-156	2.4	22

47	Atmospheric neutrino oscillations from upward throughgoing muon multiple scattering in MACRO. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 566, 35-44	4.2	88
46	Search for cosmic ray sources using muons detected by the MACRO experiment. <i>Astroparticle Physics</i> , 2003 , 18, 615-627	2.4	8
45	Search for diffuse neutrino flux from astrophysical sources with MACRO. <i>Astroparticle Physics</i> , 2003 , 19, 1-13	2.4	32
44	Search for the sidereal and solar diurnal modulations in the total MACRO muon data set. <i>Physical Review D</i> , 2003 , 67,	4.9	44
43	A combined analysis technique for the search for fast magnetic monopoles with the MACRO detector. <i>Astroparticle Physics</i> , 2002 , 18, 27-41	2.4	9
42	The MACRO detector at Gran Sasso. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 486, 663-707	1.2	56
41	Muon energy estimate through multiple scattering with the MACRO detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 492, 376-386	1.2	17
40	Search for nucleon decays induced by GUT magnetic monopoles with the MACRO experiment. <i>European Physical Journal C</i> , 2002 , 26, 163-172	4.2	22
39	Final results of magnetic monopole searches with the MACRO experiment. <i>European Physical Journal C</i> , 2002 , 25, 511-522	4.2	129
38	Matter effects in upward-going muons and sterile neutrino oscillations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 59-66	4.2	144
37	Neutrino Astronomy with the MACRO Detector. <i>Astrophysical Journal</i> , 2001 , 546, 1038-1054	4.7	60
36	Low energy atmospheric muon neutrinos in MACRO. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 478, 5-13	4.2	69
35	Nuclearite search with the MACRO detector at Gran Sasso. <i>European Physical Journal C</i> , 2000 , 13, 453-458	4.2	15
34	Search for lightly ionizing particles with the MACRO detector. <i>Physical Review D</i> , 2000 , 62,	4.9	14
33	High statistics measurement of the underground muon pair separation at Gran Sasso. <i>Physical Review D</i> , 1999 , 60,	4.9	20
32	Limits on dark matter WIMPs using upward-going muons in the MACRO detector. <i>Physical Review D</i> , 1999 , 60,	4.9	70
31	Measurement of the energy spectrum of underground muons at Gran Sasso with a transition radiation detector. <i>Astroparticle Physics</i> , 1999 , 10, 11-20	2.4	25
30	Relevance of the hadronic interaction model in the interpretation of multiple muon data as detected with the MACRO experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999 , 75, 265-268		2

29	Measurements of the magnetic form factor of the proton in the timelike region at large momentum transfer. <i>Physical Review D</i> , 1999 , 60,	4.9	87
28	The observation of up-going charged particles produced by high energy muons in underground detectors. <i>Astroparticle Physics</i> , 1998 , 9, 105-117	2.4	35
27	Real time supernova neutrino burst detection with MACRO. <i>Astroparticle Physics</i> , 1998 , 8, 123-133	2.4	16
26	Measurement of the atmospheric neutrino-induced upgoing muon flux using MACRO. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 451-457	4.2	294
25	Measurements of nighttime atmospheric optical depth preliminary data from a mountain site in southern Italy. <i>Journal of Aerosol Science</i> , 1998 , 29, 1213-1218	4.3	13
24	Observation of the shadowing of cosmic rays by the Moon using a deep underground detector. <i>Physical Review D</i> , 1998 , 59,	4.9	9
23	High energy cosmic ray physics with underground muons in MACRO. II. Primary spectra and composition. <i>Physical Review D</i> , 1997 , 56, 1418-1436	4.9	25
22	High energy cosmic ray physics with underground muons in MACRO. I. Analysis methods and experimental results. <i>Physical Review D</i> , 1997 , 56, 1407-1417	4.9	15
21	Magnetic monopole search with the MACRO detector at Gran Sasso. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 406, 249-255	4.2	20
20	Seasonal variations in the underground muon intensity as seen by MACRO. <i>Astroparticle Physics</i> , 1997 , 7, 109-124	2.4	93
19	High energy cosmic ray physics with the MACRO experiment at Gran Sasso. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1997 , 52, 172-175		
18	The performance of MACRO liquid scintillator in the search for magnetic monopoles with 10 ¹⁰ <i>Astroparticle Physics</i> , 1997 , 6, 113-128	2.4	16
17	Search for neutrinos from the Sun and the Earth with the MACRO detector. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1996 , 48, 87-90		1
16	Atmospheric neutrino flux measurement using upgoing muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 481-486	4.2	80
15	Feasibility of 1 arcmin resolution gamma-ray air-Brenkov multiple telescope experiment. <i>Astroparticle Physics</i> , 1995 , 3, 215-229	2.4	6
14	Performance of the MACRO streamer tube system in the search for magnetic monopoles. <i>Astroparticle Physics</i> , 1995 , 4, 33-43	2.4	23
13	Vertical muon intensity measured with MACRO at the Gran Sasso laboratory. <i>Physical Review D</i> , 1995 , 52, 3793-3802	4.9	129
12	Search for slowly moving magnetic monopoles with the MACRO detector. <i>Physical Review Letters</i> , 1994 , 72, 608-612	7.4	26

11	Coincident observation of air Cerenkov light by a surface array and muon bundles by a deep underground detector. <i>Physical Review D</i> , 1994 , 50, 3046-3058	4.9	1
10	Study of the primary cosmic ray composition around the knee of the energy spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 337, 376-382	4.2	32
9	Muon astrophysics with the MACRO detector. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1994 , 35, 229-234		
8	Statistical analysis of non-stationary voltage recordings in geoelectrical prospecting ¹ . <i>Geophysical Prospecting</i> , 1994 , 42, 917-952	1.9	17
7	First supermodule of the MACRO detector at Gran Sasso. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993 , 324, 337-362	1.2	125
6	Muon astronomy with the MACRO detector. <i>Astrophysical Journal</i> , 1993 , 412, 301	4.7	23
5	Search for nuclearites using the MACRO detector. <i>Physical Review Letters</i> , 1992 , 69, 1860-1863	7.4	27
4	Study of the ultrahigh-energy primary-cosmic-ray composition with the MACRO experiment. <i>Physical Review D</i> , 1992 , 46, 895-902	4.9	33
3	Measurement of the decoherence function with the MACRO detector at Gran Sasso. <i>Physical Review D</i> , 1992 , 46, 4836-4845	4.9	26
2	Search for neutrino bursts from collapsing stars with the MACRO detector. <i>Astroparticle Physics</i> , 1992 , 1, 11-25	2.4	22
1	On the methods of evaluation of apparent resistivity under conditions of low message-to-noise ratio. <i>Geothermics</i> , 1987 , 16, 487-504	4.3	3