

Xavier Cid Vidal

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.

530
papers

18,392
citations

63
h-index

110
g-index

541
ext. papers

21,933
ext. citations

5.4
avg, IF

6.04
L-index

#	Paper	IF	Citations
530	Exploring new possibilities to discover a light pseudo-scalar at LHCb. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	3
529	Modern Machine Learning: Applications and Methods. <i>Management and Industrial Engineering</i> , 2022 , 19-61	0.2	
528	Unleashing the full power of LHCb to probe Stealth New Physics.. <i>Reports on Progress in Physics</i> , 2021 ,	14.4	2
527	Prospects on searches for baryonic Dark Matter produced in \vec{b} -hadron decays at LHCb. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
526	How to Use Machine Learning to Improve the Discrimination between Signal and Background at Particle Colliders. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11076	2.6	0
525	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
524	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
523	First observation of the decay $B^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2020 , 102,	4.9	1
522	First branching fraction measurement of the suppressed decay $B^0 \rightarrow \pi^+$. <i>Physical Review D</i> , 2020 , 102,	4.9	3
521	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^+ \ell^+ \ell^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
520	Observation of New Λ_{cc}^0 Baryons Decaying to $\Lambda_{cc}^+ K^-$. <i>Physical Review Letters</i> , 2020 , 124, 222001	7.4	10
519	First Observation of Excited Λ_b^0 States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
518	Measurement of the $(\Lambda_b^0) \rightarrow f_1/\mathbb{B}$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
517	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
516	Measurement of CP observables in $B_{(s)}^0 \rightarrow D K_{(s)}^+ \pi^-$ and $B_{(s)}^0 \rightarrow D K_{(s)}^+ \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
515	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
514	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4

513	Amplitude analysis of the $B^+ \rightarrow \mu^+ \mu^-$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
512	Observation of Several Sources of CP Violation in $B^+ \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
511	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^{(*)} \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
510	Expression of interest for the CODEX-b detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	16
509	Measurement of CP violation in $B^0 \rightarrow D^{*0} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
508	Exclusive displaced hadronic signatures in the LHC forward region. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
507	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using (B_{s2}^{*0}) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
506	Observation of a new baryon state in the $(\Lambda_{\text{b}}^0 \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
505	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020 , 47, 090501	2.9	51
504	Search for the doubly charmed baryon (Ξ_{cc}^{++}) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
503	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
502	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	5
501	Isospin Amplitudes in $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
500	Measurement of $f_{s,u}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
499	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow J/\psi K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
498	Search for CP violation and observation of P violation in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2020 , 102,	4.9	4
497	Search for $A^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
496	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26

495	Measurement of the relative $B_{\text{D}^0}/D^{*0}/D^{*0}$ branching fractions using B_{D^0} mesons from B_{D^0} decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
494	New axion searches at flavor factories. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	32
493	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
492	Search for the rare decay $(\{B^+\} \rightarrow \{\mu^+\} \{\mu^-\} \{\mu^+\} \{\nu_{\mu}\})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
491	Measurement of the CP-violating phase γ from $B_{\text{D}^0} \rightarrow D K^0$ 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
490	Observation of the $(\{\Lambda_{\text{b}}^0\} \rightarrow \{\chi_{\text{c}1}\})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
489	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
488	Prospects for measurements with strange hadrons at LHCb. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
487	Search for CP Violation in $D_{\text{S}^+} \rightarrow K_{\text{S}^0} \pi^+$, $D^+ \rightarrow K_{\text{S}^0} K^+$, and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
486	Observation of $B_{\text{(s)}^0} \rightarrow \pi^+ \pi^-$ Decays and Precision Measurements of the $B_{\text{(s)}^0}$ Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
485	Measurement of B^+ , B_0 and B_0 production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
484	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
483	Observation of a Narrow Pentaquark State, $P_{\text{c}}(4312)^+$, and of the Two-Peak Structure of the $P_{\text{c}}(4450)^+$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
482	Observation of an Excited B_{c}^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
481	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
480	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \bar{p}$?. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
479	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
478	Search for CP violation through an amplitude analysis of $D_0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2

477	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
476	Measurement of the mass and production rate of Λ baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
475	Measurement of the branching fractions of the decays $D^+ \rightarrow \bar{K}^0 K^+$, $D^+ \rightarrow \bar{K}^* K^+$ and $D^+ \rightarrow \bar{K}^* K^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
474	Study of the $B^0 \rightarrow \bar{K}^* K^0$ decay with an amplitude analysis of $B^0 \rightarrow \bar{K}^* K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
473	Measurement of the ratio of branching fractions of the decays $\Lambda_b \rightarrow \bar{K}^0 \Lambda$ and $\Lambda_b \rightarrow \bar{K}^0 \Sigma^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
472	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
471	Precision measurement of the Λ_b^+ , Σ_b^+ , and Λ_b^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
470	Amplitude analysis of $B^0 \rightarrow \bar{K}^0 S K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
469	First Observation of the Radiative Decay $\Lambda_b^0 \rightarrow \gamma \Lambda$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
468	Measurement of the branching fraction and (C)P asymmetry in $(\{B^+ \rightarrow J/\psi \rho^+\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
467	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
466	Amplitude analysis of the $(B_{(s)}^0 \rightarrow K^{*0} \bar{K}^0)$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^{*0} \bar{K}^0)$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
465	Observation of New Resonances in the $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
464	LHCb VELO Timepix3 telescope. <i>Journal of Instrumentation</i> , 2019 , 14, P05026-P05026	1	5
463	Real-time discrimination of photon pairs using machine learning at the LHC. <i>SciPost Physics</i> , 2019 , 7,	6.1	3
462	Prompt \bar{D}^0 production in pPb collisions at $(\sqrt{s_{\text{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
461	A search for $(\{X_{cc}^{++} \rightarrow D^+ p K^0\})$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
460	Measurement of CP violation in the $(B_{(s)}^0 \rightarrow \pi^0 \pi^0)$ decay and search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0

459	Discovering true muonium at LHCb. <i>Physical Review D</i> , 2019 , 100,	4.9	9
458	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
457	Search for the Lepton-Flavor-Violating Decays $B_{(s)}^{0-\mu} \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ and $B^{0-\mu} \rightarrow \mu^+ \mu^- \nu \bar{\nu}$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
456	Search for Lepton-Flavor Violating Decays $B^{+} \rightarrow K^{+} \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
455	Measurement of CP-Violating and Mixing-Induced Observables in $B_{(s)}^{0-\mu}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
454	Amplitude Analysis of $B^{(0)-\mu} \rightarrow K^{+} K^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
453	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
452	Observation of Two Resonances in the $B^{(0)-\mu}$ Systems and Precise Measurement of $B^{(0)-\mu}$ and $B^{*0-\mu}$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
451	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
450	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
449	First observation of forward $Z \rightarrow b\bar{b}$ 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
448	Measurement of CP observables in $B^{(0)-\mu} \rightarrow K^{\pm} \mu^{\mp}$ and $B^{(0)-\mu} \rightarrow K^{\pm} \mu^{\mp} \nu \bar{\nu}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
447	A measurement of the CP asymmetry difference between $\Gamma + \text{fb} K^{\pm}$ and p^{\pm} decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
446	Measurement of CP asymmetry in $B^0 \rightarrow \mu^+ \mu^- K^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
445	Search for the lepton-flavour violating decays $B^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
444	First measurement of the CP-violating phase ($\phi_{s^{\overline{d}}}$) in $B^0 \rightarrow \mu^+ \mu^- (K^{\pm} K^{\mp})$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
443	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
442	Measurement of the Ratio of the $B^{(0)-\mu} \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ and $B^{(0)-\mu} \rightarrow \mu^+ \mu^- \nu \bar{\nu}$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126

441	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \mu^+ \nu_{\mu})/B(B_{c^+} \rightarrow \mu^+ \nu_{\tau})$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
440	Search for B_{c^+} decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
439	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
438	Measurement of branching fractions of charmless four-body \bar{D}^0 b and \bar{D}^0 b decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
437	Observation of the decay $B^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
436	Observation of a New χ_{b^0} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
435	Evidence for the Rare Decay $B^0 \rightarrow \mu^+ \mu^- \nu \bar{\nu}$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
434	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
433	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
432	Study of ψ production in pPb collisions at $(\sqrt{s_{NN}} = 8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
431	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
430	Search for CP violation in $B^0 \rightarrow \mu^+ K^-$ and $B^0 \rightarrow \mu^+ \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
429	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
428	Observation of the decay $B_{s0} \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
427	Observation of $B_{s0} \rightarrow D^0 \mu^+ \mu^-$ and search for $B_{s0} \rightarrow D^0 \tau^+ \tau^-$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
426	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
425	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
424	Measurement of ψ production in pp collisions at $(\sqrt{s} = 13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

423	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
422	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$) in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	0
421	Search for a dimuon resonance in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
420	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4-2	11
419	Angular moments of the decay $B \rightarrow \mu^+ \mu^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	17
418	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
417	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \mu^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7-4	54
416	Measurement of the CKM angle β using $B \rightarrow DK$ with $D \rightarrow K^0 S \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
415	Measurement of $D \rightarrow s$ production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
414	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
413	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7-4	12
412	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
411	Measurement of CP asymmetries in two-body B(s)-meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018 , 98,	4-9	13
410	Observation of the decay $B \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
409	Measurement of the CP asymmetry in $B \rightarrow D^0$ and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	1
408	Search for CP violation using triple product asymmetries in $B \rightarrow \mu^+ \mu^- K^+ K^-$ and $B \rightarrow \mu^+ \mu^- K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
407	Updated determination of $D^0 \overline{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4-9	11
406	Search for the rare decay $B \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2018 , 97,	4-9	9

405	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
404	First observation of $B^+ \rightarrow \bar{D}^0 + s K^0$ 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
403	Measurements of the branching fractions of $\bar{D}^0 \rightarrow \bar{K}^0 \pi^0$, $\bar{D}^0 \rightarrow \bar{K}^0 K^0$, and $\bar{D}^0 \rightarrow \bar{K}^0 \pi^+$.	5.4	8
402	Measurement of CP violation in $B^0 \rightarrow \bar{D}^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
401	Amplitude Analysis of the Decay $B^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \bar{K}^0 \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
400	Search for the CP-violating strong decays $\bar{D}^0 \rightarrow \bar{K}^0 \pi^0$ and $\bar{D}^0 \rightarrow \bar{K}^0 \pi^+$. <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 $B^+ \rightarrow \bar{K}^0 K^0 \pi^0$ and $B^+ \rightarrow \bar{K}^0 K^0 \pi^+$. <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 $B^+ \rightarrow \bar{D}^0 K^0$ 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 $B^+ \rightarrow \bar{D}^0 K^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
395	Observation of the Annihilation Decay Mode $B^0 \rightarrow \bar{K}^0 K^0$. <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 $B^0 \rightarrow \bar{D}^0 \pi^0$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
389	Study of the $D^0 \rightarrow \pi^0 \pi^0$ amplitude in $B^0 \rightarrow \bar{D}^0 \pi^0 \pi^0$ 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 [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
386	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
385	Observation of the Decay $B^0 \rightarrow \rho^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
384	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
383	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}})=5$ 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 $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
381	Observation of charmless baryonic decays $B(s) \rightarrow \rho^+ \pi^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
380	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
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 $B_c^+ \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
377	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
376	Measurement of the B_c^+ production asymmetry and the CP asymmetry in $B_c^+ \rightarrow \rho^+ K^0$ 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 $B^+ \rightarrow \rho^+ \pi^0$ and $B^+ \rightarrow \rho^+ K^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
374	Search for the $B^0 \rightarrow \rho^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
373	Observation of the decay $B^0 \rightarrow \rho^+ K^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
372	Measurement of B_{s}^0 and D_{s}^+ 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_{FB}^0 in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11

369	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
368	Observation of Five New Narrow χ_{c^0} States Decaying to $\chi_{c^+} K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
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 $B \rightarrow B^0 \pi^0$ 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 $B_{s^0} \rightarrow \pi^0 \pi^0$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \pi^0 \pi^0$ 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 $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
361	Observation of the $B^+ \rightarrow D^* K^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
360	Search for the Decays $B_{s^+} \rightarrow \pi^0 \pi^0$ and $B^+ \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
359	Measurement of the shape of the $B^0 \rightarrow \pi^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
358	Observation of the suppressed decay $B \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
357	Test of lepton universality with $B^0 \rightarrow \tau^+ \tau^-$ 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 $\chi_{c1,2} \rightarrow \pi^0 \pi^0$. <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 χ_{b^0} Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
353	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
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 $s = 5 \sqrt{s} = 5 \sqrt{s}$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	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
349	Evidence for the two-body charmless baryonic decay ($\Lambda_b^+ \rightarrow \bar{p} \Lambda^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
348	First Observation of the Rare Purely Baryonic Decay $B^+ \rightarrow \bar{p} p$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
347	Resonances and CP violation in B^0 and ($\bar{B}^0 \rightarrow J/\psi K^+ K^-$) 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 ($\mathbf{b} \bar{\mathbf{b}}$) 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 $B \rightarrow DK^*$ 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 \bar{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
343	Measurement of CP violation in $B^0 \rightarrow \bar{K}^* S^0$ and $B^0 \rightarrow \bar{K}^* K^* S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
342	First Observation of a Baryonic $B_{\{s\}^0}$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
341	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
340	Updated branching fraction measurements of $B(s) \rightarrow \bar{K}^* S^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
339	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
338	Observation of the decay $B_s^0 \rightarrow \bar{K}^* \pi^0$ and evidence for $B_s^0 \rightarrow \bar{K}^* \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
337	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
336	Measurement of the $B \rightarrow \pi$ production cross-section in pp collisions at $s = 7 \sqrt{s} = 7 \sqrt{s}$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	8
335	Measurement of the $Y(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
334	Measurement of the CP Asymmetry in $B_{\{s\}^0} \rightarrow B_{\{s\}^0}$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18

333	Model-Independent Evidence for J/ψ Contributions to $B^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
332	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow \psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
331	Studies of the resonance structure in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
330	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
329	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
328	First observation of the rare $B^+ \rightarrow D^+ K^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
327	Measurement of the $B_s^0 \rightarrow D_s^* + D_s^*$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
326	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
325	Observation of $B_{(s)}^0 \rightarrow D^0 K_{(S)}^0$ and Evidence for $B_{(s)}^0 \rightarrow D^0 K_{(S)}^*$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
324	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^+$ and $D^0 \rightarrow \pi^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25
323	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
322	Search for Structure in the $B_{(s)}^0 \rightarrow \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
321	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$ in the $K^*0, 2(1430)0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
320	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
319	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
318	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}} = 5)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
317	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
316	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

315	First observation of the decay $B^0 \rightarrow \pi^+ K^{*0}$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	3
314	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
313	Developments towards the LHCb VELO upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 76-79	1-2	
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311	Angular analysis of the $B^0 \rightarrow \pi^+ \pi^-$ decay using 3 fb ⁻¹ of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	232
310	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4-2	6
309	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4-2	16
308	Observations of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ K^0$ decays and searches for other B^0 and B^0 decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	17
307	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
306	Observation of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ K^0$ decays and a measurement of the B^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	15
305	Measurement of the properties of the B^0 baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	15
304	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
303	Measurement of the CKM angle Γ using $B^0 \rightarrow \pi^+ K^{*0}$ with $D \rightarrow \pi^+ S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5-4	6
302	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
301	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^-)}{\mathcal{B}(B^0 \rightarrow \pi^+ K^0)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
300	Measurement of forward W production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	8
299	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
298	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^-$ decays and the $B^0 \rightarrow \pi^+ K^{*0}$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	48

297	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
296	A new algorithm for identifying the flavour of B _s mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
295	Amplitude analysis of B _s D ⁺ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
294	Study of B _c ⁺ decays to the K ⁺ K _s ⁰ final state and evidence for the decay B _c ⁺ →B _s ⁰ . <i>Physical Review D</i> , 2016 , 94,	4.9	17
293	Measurement of CP Violation in B ⁰ →D ⁺ D ⁻ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
292	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
291	Search for the lepton-flavour violating decay D ⁰ →e ⁺ μ ⁻ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14
290	Model-independent measurement of the CKM angle α_1 using B ⁰ →DK ⁰ decays with D→K ⁰ S ⁰ and K ⁰ S ⁰ →K ⁺ K ⁻ . <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
289	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
288	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5\text{TeV}$ 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
287	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
286	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
285	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
284	Determination of the quark coupling strength V _{ub} using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
283	Determination of $\Gamma_{\text{and}}\Gamma_{\text{B}}$ 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
282	Study of the rare B _s ⁰ and B ⁰ decays into the $\mu\mu$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13
281	Measurement of the semileptonic CP asymmetry in B ⁰ →B ⁰ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
280	Precision measurement of CP violation in B(S)(0)→B _s ⁰ →K ⁻ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53

279	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
278	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
277	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
276	Search for CP violation in $D^0 \rightarrow \pi^0$ decays with the energy test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 158-167	4.2	16
275	Study of B^0 mixing from measurement of $B(s) \rightarrow \pi^0 \gamma$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
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270	Observation of the rare $B(s)(0) \rightarrow \pi^+ \pi^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
269	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
268	Measurement of the $B \rightarrow \mu^+ \mu^-$ production cross-section in proton-proton collisions via the decay $B \rightarrow \mu^+ \mu^-$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
267	Evolution of iron overload in patients with low-risk myelodysplastic syndrome: iron chelation therapy and organ complications. <i>Annals of Hematology</i> , 2015 , 94, 779-87	3	47
266	Study of CP violation in $B^0 \rightarrow \pi^0 h$ ($h=K, \eta$) with the modes $D \rightarrow K^0 \pi^0$, $D \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^0 K^0$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
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264	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	7.4	16
263	Evidence for the Strangeness-Changing Weak Decay $B \rightarrow \pi^+ \pi^0$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
262	First observation and amplitude analysis of the $B \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30

261	Quantum numbers of the X(3872) state and orbital angular momentum in its J/ψ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
260	Amplitude analysis of $B^0 \rightarrow \rho^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
259	Dalitz plot analysis of $B^0 \rightarrow \rho^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
258	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17
257	Measurement of the branching fraction ratio $B(B_c \rightarrow \rho^0 S^+ \pi^-) / B(B_c \rightarrow \rho^0 \pi^+ \pi^-)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
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252	Observation of J/ψ Resonances Consistent with Pentaquark States in $\bar{B} \rightarrow \rho^0 \pi^+ \pi^- p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
251	Measurement of the ratio of branching fractions $B(B \rightarrow \rho^0 \pi^+ \pi^-) / B(B \rightarrow \rho^0 \pi^+ \pi^0)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
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
249	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	7.4	97
248	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	7.4	95
247	Measurement of CP asymmetries and polarisation fractions in $(\{B\}_s^0 \rightarrow \{K\}^{\ast 0})$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
246	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
245	Search for the $\bar{D}^0 \rightarrow \rho^0 \pi^0$ and $\bar{D}^0 \rightarrow \rho^0 \pi^+$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
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241	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
240	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
239	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
238	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
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 $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
234	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow J/\psi K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
233	Search for the decay ($B^0 \rightarrow \overline{D}^0 \pi^0$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	10
232	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
231	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
230	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
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
228	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
227	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
226	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

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224	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
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222	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
221	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
220	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
219	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow K^0 \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4.2	9
218	Measurement of the CP-violating phase ϕ_s in $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
217	Evidence for the decay $\Lambda_b \rightarrow p \pi^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
216	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
215	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{charm}}^0 p \pi^{\pm})$ and $(K_{\text{charm}}^0 p K^{\pm})$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 p \pi^{\pm})$ 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 $B^0 \rightarrow K^* \mu^+ \mu^-$. <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 $(\text{B}_{\text{charm}}^+ \rightarrow \{J/\psi \text{ left/} \{ \uparrow \uparrow \uparrow \} \text{ right.} \})$. <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 $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42

207	Study of (χ_c) 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 $B_c \rightarrow \tau \nu_\tau$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
205	Observation of the $B_c \rightarrow \tau \nu_\tau$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
204	Study of the kinematic dependences of B_c production in pp collisions and a measurement of the $B_c \rightarrow \tau \nu_\tau$ 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 χ_c 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_c meson lifetime using $B_c \rightarrow \tau \nu_\tau$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4-2	32
200	Measurement of B_c 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 $\sqrt{s} = 2.76$ TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4-2	20
198	Search for the decay $B_c \rightarrow \tau \nu_\tau$. <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 $B_c \rightarrow \tau \nu_\tau$. <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 $B_c \rightarrow \tau \nu_\tau$. <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 $B_c \rightarrow \tau \nu_\tau$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7-4	29
193	Precision measurement of the ratio of the $B_c \rightarrow \tau \nu_\tau$. <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_s in $B_s(0) \rightarrow D_s(+)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7-4	17
190	Measurement of CP violation parameters in $B_0 \rightarrow D K^0$ 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_{\pm} decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
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187	Measurement of CP asymmetries in the decays $B^0 \rightarrow \bar{K}^* \pi^+$ and $B^+ \rightarrow \bar{K}^* \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
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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
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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 $B^+ \rightarrow \bar{p} p K^+$ 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 $B_{\pm}^0 \rightarrow \bar{K}^* \pi^{\pm}$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
179	Search for Majorana neutrinos in $B^- \rightarrow \bar{p} \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
178	Measurement of the B_{\pm}^0 meson lifetime in $D_s^+ \rightarrow \pi^{\pm}$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
177	Measurement of CP violation in the phase space of $B_{\pm}^0 \rightarrow \bar{K}^* K^{\mp}$ and $B_{\pm}^0 \rightarrow \bar{K}^* \pi^{\pm}$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
176	Measurement of the resonant and CP components in $B_{\pm}^0 \rightarrow \bar{K}^* \pi^{\pm}$ 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 $2.86 \text{ GeV}/c^2$. <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
174	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
173	Dalitz plot analysis of $B_s^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
172	Measurements of indirect CP asymmetries in $D^0 \rightarrow \bar{K}^0 K^+$ and $D^0 \rightarrow \bar{K}^0 \pi^0$ 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 $B(s)(0) \rightarrow f_1/\bar{f}_1(1285)$ decays and measurement of the $f_1(1285)$ 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 $D^0 \pi^+ \pi^-$ and $\bar{D}^0 \pi^+ \pi^-$ 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} Λ_b 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 $D^0 \rightarrow \tau^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
160	Search for CP violation in $D^0 \rightarrow \tau^+ K^-$ and $D^0 \rightarrow \tau^+ \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
159	First observations of the rare decays $B^+ \rightarrow \tau^+ \mu^+ \mu^-$ and $B^+ \rightarrow \tau^+ K^+ \mu^-$. <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 $\Lambda_b(2(1P))$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
157	Measurement of the CKM angle α_s using $B^0 \rightarrow DK^0$ with $D \rightarrow \tau^+ \tau^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
156	Measurement of CP asymmetry in $B^0 \rightarrow \tau^+ \tau^- K^0$ 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 $B^0 \rightarrow D^- K^+$ 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
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 $(B_s^0 \rightarrow \rho^+ \pi^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
150	Search for CP violation in $D \rightarrow \rho^+ \pi^-$ 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, 1	5.4	48
148	Production of J/ψ and (χ_{c0}) 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 $B^0 \rightarrow D^+ K^-$ 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 $B^+ \rightarrow K^+ \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
141	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	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 $D(s) \rightarrow \rho^+ \pi^-$ 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
136	Model-independent search for CP violation in $B^0 \rightarrow \rho^+ \pi^-$. <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 $B^0 \rightarrow \bar{K}^0$ 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 $B^+ \rightarrow \bar{K}^0 \pi^+$ and $B^+ \rightarrow \bar{K}^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4.2	9
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 $B_{(s)}^0 \rightarrow K_{\text{charmless}}^0 \{h^+\} \{h^{\prime-}\}$ decays with first observation of $B_s^0 \rightarrow K_{\text{charmless}}^0 \{K^{\pm}\} \{\pi^{\mp}\}$ and $B_s^0 \rightarrow K_{\text{charmless}}^0 \{\pi^+\} \{\pi^-\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	14
131	Measurement of the relative rate of prompt Λ^0 , Λ^+ and Λ^+ 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 $\{B^0\} \rightarrow \overline{p} \{p\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
129	Study of D meson decays to $D^+ \{D^0\}$ and $D^{*+} \{D^0\}$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
128	First observation of the decay $(B_c^+ \rightarrow \{J/\psi\} \{K^+\})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
127	Searches for $(B_{(s)}^0 \rightarrow \{J/\psi\} \{p\}) \overline{p}$ and $B^+ \rightarrow \{J/\psi\} \{p\} \overline{p}$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
126	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \bar{K}^0 \{D^+ \{D^0\}\}$. <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 $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73,	4.2	14
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 $(B_c^+ \rightarrow \{J/\psi\} \{K^+ \{D^0\}\})$. <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 $B(s)(0) \rightarrow \{D^+ \{D^0\}\}$. <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, 221601-4	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 $B(B \rightarrow K^* \mu^+ \mu^-) / B(B_s \rightarrow K^* \mu^+ \mu^-)$ and the direct CP asymmetry in $B \rightarrow K^* \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
113	Measurement of the effective β . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
112	Prompt charm production in pp collisions at $\sqrt{s}=7, \mathrm{TeV}$. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
111	Observation of the suppressed ADS modes $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <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 β from a combination of $B \rightarrow D^* \mu^+ \mu^-$ 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 $B^0 \rightarrow D^* \mu^+ \mu^-$ oscillation frequency Δm and with the decays $B^0 \rightarrow D^* \mu^+ \mu^-$ and $B^0 \rightarrow D^* \mu^+ \mu^-$. <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 $B \rightarrow D^* \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
107	Measurements of the $B^0 \rightarrow D^* \mu^+ \mu^-$ decay amplitudes and the B^0 polarisation in pp collisions at $\sqrt{s}=7 \mathrm{TeV}$. <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 $B_s^0 \rightarrow D^* \mu^+ \mu^-$. <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 $D^0 \rightarrow \mu^+ \mu^-$. <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 $B \rightarrow D^* \mu^+ \mu^-$. <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 $B^0 \rightarrow D^* \mu^+ \mu^-$ 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 $B \rightarrow D^* \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
100	Observation of $D^0 \rightarrow D^0$ oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45

99	Observations of $\Lambda(1520)$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
98	Measurement of the $\Lambda(1520)$ production in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV. <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_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D_s^+ D_s^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
96	Exclusive J/ψ and $\psi(2S)$ production in $p\bar{p}$ 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 $\Lambda_b(0)$ 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 $B_s^0 \rightarrow \mu^+ K^-$ and $B_s^0 \rightarrow \mu^+ \pi^-$ 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 $B \rightarrow D^* D^* D^*$ 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 $\Lambda_b(0)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
89	Measurement of the CP asymmetry in $B(+) \rightarrow K^+ \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
88	First measurement of the CP-violating phase in $B_s(0) \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	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 $B_s^0 \rightarrow D^* K^+$ and $B^0 \rightarrow D^* K^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
85	Analysis of the resonant components in $B \rightarrow D^* K^+$. <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 $B_s^0 \rightarrow D^* \pi^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
82	Measurement of the polarization amplitudes in $B^0 \rightarrow \mu^+ K^*(892)^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15

81	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \pi^0 \pi^0$ and $B^0 \rightarrow K^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
80	Observation of the decay $B_c^+ \rightarrow \psi(2S) \pi^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
79	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} (\pi^+ \pi^-)$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
78	Observation of $B_c^+ \rightarrow \psi/D_s^+$ and $B_c^+ \rightarrow \psi/D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
77	Study of $B^0 \rightarrow D^{*0} \pi^0 \pi^0$ and $B^0 \rightarrow D^{*0} K^+ \pi^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
76	Measurement of the CP asymmetry in $B(0) \rightarrow K^{*0} (\pi^+ \pi^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
75	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
74	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0 \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
73	Amplitude analysis and branching fraction measurement of $B^0 \rightarrow \psi/K^+ K^-$. <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 $B^0 \rightarrow \psi/K^+ K^-$ and search for $B^0 \rightarrow \psi/\pi^0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
70	Measurement of the $B_s(0) \rightarrow \pi^0 \pi^0$ branching fraction and search for $B(0) \rightarrow \pi^0 \pi^0$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
69	Search for rare $B(0) \rightarrow (s) \rightarrow (\pi^+ \pi^-) (\pi^+ \pi^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
68	Performance of the Muon Identification at LHCb. <i>Journal of Instrumentation</i> , 2013 , 8, P10020-P10020	1	56
67	Observation of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
66	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
65	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
64	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

63	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
62	First observation of the decay $B \rightarrow D_s^* \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
61	Measurement of the $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
60	Observation of CP violation in $B \rightarrow D K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
59	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
58	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
57	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
56	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
55	Measurement of the $B \rightarrow D^* \mu^+ \mu^-$ production cross-section in pp collisions at $(\sqrt{s}) = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
54	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^* \mu^+ \mu^- K^{\pm}$ and $B_s^0 \rightarrow D_s^* \mu^+ \mu^- \pi^{\pm}$. <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 $B \rightarrow K^* \mu^+ \mu^-$ 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 $D^* \rightarrow D \pi$ decays to $D^* K_{\text{charmless}}^0$ and $D^* K^+$ 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 $B \rightarrow D^* \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
47	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
46	Measurements of the branching fractions and CP asymmetries of $B \rightarrow D^* \mu^+ \mu^-$ and $B \rightarrow D^* \pi^+ \pi^-$ 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 $B(B^0 \rightarrow K^*0)/B(B^0 \rightarrow \pi^0)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
43	Searches for Majorana neutrinos in B^0 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 $B^0 \rightarrow \rho^+ \rho^-$. <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 $\sigma(B^0 \rightarrow \rho^+ \rho^-)/\sigma(B^0 \rightarrow \rho^0 \rho^0)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
36	Measurement of $(2) \rightarrow \rho^+ \rho^-$ meson production in collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
35	Measurement of relative branching fractions of decays to $(2) \rightarrow \rho^+ \rho^-$ and $(2) \rightarrow \rho^0 \rho^0$ 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 7 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 $B^0 \rightarrow \rho^+ \rho^-$. <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 $\rho^+ \rho^-$ production. <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 $B(c) \rightarrow \rho^+ \rho^-$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50

27	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \bar{K}^{*0} \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
26	Measurement of the $B^0(s)$ 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 $B^0 \rightarrow \bar{D}^+(+)K^-(\mu^+)(\mu^-)$ and $B^-(\mu^-) \rightarrow \bar{D}^0 K^-(\mu^+)(\mu^-)$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
24	Observation of excited $\Lambda(b)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
23	Analysis of the resonant components in $B^0 \rightarrow \rho^0 \mu^+ \mu^-$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
22	Determination of the sign of the decay width difference in the $B(s)$ system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
21	Measurement of the $B_s^0 \rightarrow \bar{K}^{*0} \mu^+ \mu^-$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
20	Strong constraints on the rare decays $B(s)$ $\rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
19	Search for lepton number violating decays $B^+ \rightarrow \bar{\nu}_\mu \mu^+$ and $B^+ \rightarrow \bar{\nu}_\tau \mu^+$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
18	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)$ $\rightarrow \bar{J}/\psi \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
17	Search for the X(4140) state in $B^+ \rightarrow \bar{\nu}_\mu \mu^+ K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
16	First observation of the decays $B^0(s) \rightarrow \bar{D}_s^+ K^0$ and $B^0 \rightarrow \bar{D}_s^+ K^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	9
15	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow \bar{J}/\psi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
14	Observation of $B^0 \rightarrow \bar{D}^0 K^+ K^-$ and evidence for $B(s)$ $\rightarrow \bar{D}^0 K^+ K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
13	Observation of $B(s)$ $\rightarrow \bar{J}/\psi(2\mu^+ \mu^-) \mu^+ \mu^-$ in $J/\psi + K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
12	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
11	First observation of the decay $\Lambda_b^0 \rightarrow \bar{p} \mu^+ \mu^-$. <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 $D^+ \rightarrow K^+ \pi^0$ 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 $B_s^0 \rightarrow \bar{B}^0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
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4	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
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1	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622