

# Mariusz Witek

## 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.

707 papers	25,032 citations	68 h-index	127 g-index
718 ext. papers	29,004 ext. citations	5.1 avg, IF	6.34 L-index

#	Paper	IF	Citations
707	Search for the Rare Decays $B_{s1}^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow e^+ e^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 211802	7.4	4
706	Measurement of the branching fraction of the decay $B_{s1} \rightarrow K_S^0 K_S^0$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	1
705	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^+ \ell^+ \ell^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12
704	Observation of New $\Lambda_c^0$ Baryons Decaying to $\Lambda^+ K^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 222001	7.4	10
703	First Observation of Excited $\Lambda_b^0$ States. <i>Physical Review Letters</i> , <b>2020</b> , 124, 082002	7.4	18
702	Measurement of the $(\Lambda_b^0) \rightarrow f_1 \Lambda$ angular distribution and the $(\Lambda_b^0)$ polarisation in pp collisions. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
701	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , <b>2020</b> , 125, 011802	7.4	46
700	Measurement of CP observables in $B_{\pi}^0 \rightarrow D K_{\pi}^0$ and $B_{\pi}^0 \rightarrow D^0 \pi^0$ with $D \rightarrow (K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
699	Precision measurement of the $(\chi_{cc}^{++})$ mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	11
698	Measurement of $\chi_{cc}^{++}$ production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , <b>2020</b> , 44, 022001	2.2	4
697	Determination of quantum numbers for several excited charmed mesons observed in $B_{\pi}^0 \rightarrow D^* \pi$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	8
696	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	19
695	Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 031801	7.4	18
694	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s}=7$ and $13 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2020</b> , 80,	4.2	4
693	Measurement of $ V_{cb} $ with $B_{s1} \rightarrow D_s^* \pi$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	6
692	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s}=13)$ ( $\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
691	Observation of the semileptonic decay $B^+ \rightarrow p \overline{\mu}^+ \nu_{\mu}$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020,	5.4	1

690	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
689	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using $(B^0 \rightarrow \pi^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
688	Observation of a new baryon state in the $(\Lambda_b^0 \rightarrow \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
687	Search for the doubly charmed baryon $(\Xi_{cc}^{++})$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	13
686	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	5
685	Isospin Amplitudes in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 111802	7.4	2
684	Measurement of $f_s/f_u$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , <b>2020</b> , 124, 122002	7.4	7
683	Search for $A^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041801	7.4	60
682	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	26
681	Measurement of the relative $B^0 \rightarrow D^+ D^-$ branching fractions using $B^0$ mesons from $B^0 \rightarrow D^+ D^-$ decays. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
680	Measurement of CP observables in the process $B^0 \rightarrow D^+ D^-$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
679	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-)$ . <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	8
678	Measurement of the CP-violating phase $\phi_1$ from $B_s^0 \rightarrow \pi^+ \pi^-$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134789	4.2	2
677	Observation of the $(\Lambda_b^0 \rightarrow \chi_{c1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
676	Measurement of the Charm-Mixing Parameter $y_{CP}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 011802	7.4	8
675	Search for CP Violation in $D_{s1}^+ \rightarrow K_{S1}^0 \pi^+$ , $D^+ \rightarrow K_{S1}^0 K^+$ , and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191803	7.4	2
674	Observation of $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191804	7.4	4
673	Measurement of $B^+$ , $B^0$ and $\bar{B}^0$ production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	12

672	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 211803	7.4	51
671	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> , <b>2019</b> , 122, 222001	7.4	199
670	Observation of an Excited $B_{c}^{+}$ State. <i>Physical Review Letters</i> , <b>2019</b> , 122, 232001	7.4	18
669	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191801	7.4	137
668	Model-Independent Observation of Exotic Contributions to $B^{0} \rightarrow \bar{B}^{+} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152002	7.4	13
667	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
666	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132002	7.4	17
665	Measurement of the mass and production rate of $\bar{B}$ baryons. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	9
664	Measurement of the branching fractions of the decays $D^{+} \rightarrow K^0 K^{+}$ , $D^{+} \rightarrow \bar{K}^{0} K^{+}$ and $D^{+} \rightarrow \pi^{+} \pi^{0}$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019,	5.4	3
663	Study of the $B^0 \rightarrow \pi^0 K^{*}(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \pi^0 K^{*}(892)^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
662	Measurement of the ratio of branching fractions of the decays $\bar{B}^0 \rightarrow \pi^0 \pi^0$ and $\bar{B}^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
661	Dalitz plot analysis of the $D^{+} \rightarrow K^0 K^{+}$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
660	Precision measurement of the $\bar{B}^0$ , $B^0$ , and $B^0$ baryon lifetimes. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	14
659	Amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
658	First Observation of the Radiative Decay $\bar{B}^0 \rightarrow \pi^0 \gamma$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 031801	7.4	7
657	Measurement of the branching fraction and (C)P asymmetry in $\{B^{\pm} \rightarrow J/\psi \pi^{\pm}\}$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	1
656	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2019</b> , 122, 231802	7.4	39
655	Near-threshold $(\overline{D} D)$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	16

654	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> , <b>2019</b> , 2019, 1	5.4	3
653	Observation of New Resonances in the $\Xi_b^0 \Xi^+ \Xi^-$ System. <i>Physical Review Letters</i> , <b>2019</b> , 123, 152001	7.4	22
652	Updated measurement of time-dependent (CP)-violating observables in $(\{B\}^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
651	Measurements of CP asymmetries in charmless four-body $(\{\varLambda_b\}^0 \rightarrow \{\varLambda\}^0 \pi^+ \pi^-)$ and $(\{\varLambda_b\}^0 \rightarrow \{\varLambda\}^0 \pi^+ \pi^-)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	6
650	Prompt $\Xi_c$ production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
649	A search for $(\{\Xi\}_{\mathrm{cc}}^{++}) \rightarrow p \bar{D} + p K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
648	Measurement of CP violation in the $(\{B\}_s^0 \rightarrow \phi \phi)$ decay and search for the $B_0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	0
647	Measurement of the $B_c$ meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	4
646	Search for the Lepton-Flavor-Violating Decays $B_{(s)}^0 \rightarrow \mu^+ \mu^- \gamma$ and $B^0 \rightarrow \mu^+ \mu^- \gamma$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 211801	7.4	13
645	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^- e^+$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 241802	7.4	8
644	Measurement of CP-Violating and Mixing-Induced Observables in $B_{(s)}^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 081802	7.4	2
643	Amplitude Analysis of $B^0 \rightarrow \pi^0 K^+ K^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231802	7.4	14
642	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 232001	7.4	3
641	Observation of Two Resonances in the $\Xi_b^0 \Xi^0 \Xi^-$ Systems and Precise Measurement of $\Xi_b^0$ and $\Xi_b^{\ast 0}$ Properties. <i>Physical Review Letters</i> , <b>2019</b> , 122, 012001	7.4	29
640	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
639	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 061801	7.4	75
638	First observation of forward Z-bb production in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 430-439	4.2	1
637	Measurement of CP observables in $B \rightarrow D^0 K^0$ and $B \rightarrow D^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 16-30	4.2	10

636	A measurement of the CP asymmetry difference between $\bar{B}^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
635	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
634	Search for the lepton-flavour violating decays $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
633	First measurement of the CP-violating phase ( $\phi_s^{\pi^+ \pi^- K^0}$ ) in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
632	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \pi^+ \pi^- K^0$ branching fraction using three-prong $\pi^+ \pi^- K^0$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	106
631	Measurement of the Ratio of the $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ Branching Fractions Using Three-Prong $\pi^+ \pi^- K^0$ Lepton Decays. <i>Physical Review Letters</i> , <b>2018</b> , 120, 171802	7.4	126
630	Measurement of the Ratio of Branching Fractions $B(B_c^+ \rightarrow \pi^+ \pi^- K^0)/B(B_c^+ \rightarrow \pi^+ \pi^- K^0)$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 121801	7.4	109
629	Search for $B_c^+$ decays to two charm mesons. <i>Nuclear Physics B</i> , <b>2018</b> , 930, 563-582	2.8	4
628	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 052002	7.4	44
627	Measurement of branching fractions of charmless four-body $B \rightarrow b$ and $B \rightarrow b$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
626	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 784, 101-111	4.2	7
625	Observation of a New $\Xi_b^0$ Resonance. <i>Physical Review Letters</i> , <b>2018</b> , 121, 072002	7.4	50
624	Evidence for the Rare Decay $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221803	7.4	8
623	Central exclusive production of $J/\psi$ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	13
622	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \pi^+ \pi^- K^0 \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
621	Study of $\eta$ production in pPb collisions at ( $\sqrt{s_{\text{NN}}} = 8.16$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
620	Search for beautiful tetraquarks in the $\eta(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
619	Search for CP violation in $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 787, 124-133	4.2	9

618	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4.2	3
617	Observation of the decay $B_s^0 \rightarrow D^+ K^- K^0$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	6
616	Observation of $B_s^0 \rightarrow D^+ K^-$ and search for $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
615	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 222001	7.4	22
614	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
613	Measurement of $\gamma$ production in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
612	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> , <b>2018</b> , 2018, 1	5.4	4
611	Observation of the decay ( $\overline{B}_s^0 \rightarrow \chi_{c2}^0 K^+ K^-$ ) in the $\gamma$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	0
610	Search for a dimuon resonance in the $\gamma$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
609	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
608	Angular moments of the decay $B \rightarrow b \rightarrow \mu \mu$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
607	Measurement of $Z \rightarrow \mu \mu$ production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
606	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \Lambda^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 162002	7.4	54
605	Measurement of the CKM angle $\Gamma_{\text{CKM}}$ using $B \rightarrow D^+ K^-$ with $D \rightarrow K^0 S \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
604	Measurement of $D^0$ production asymmetry in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
603	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^0$ and $D^0 \rightarrow K^+ K^- \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2018</b> , 121, 091801	7.4	8
602	Measurement of the $\Xi_c^0$ Baryon Lifetime. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092003	7.4	12
601	Evidence for the decay ( $B_s^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$ ). <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15



600	Measurement of CP asymmetries in two-body B(s)0-meson decays to charged pions and kaons. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	13
599	Observation of the decay $D^0_b \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
598	Measurement of the CP asymmetry in $B^0 \rightarrow D^0$ and $B^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	1
597	Search for CP violation using triple product asymmetries in $D^0 \rightarrow b \rightarrow \pi^0 K^0$ and $D^0 \rightarrow b \rightarrow \pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
596	Updated determination of $D^0 \rightarrow D^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	11
595	Search for the rare decay $B^+ \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	9
594	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	5
593	First observation of $B^+ \rightarrow \pi^0 + s K^+ K^-$ decays and a search for $B^+ \rightarrow \pi^0 + s ?$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
592	Measurements of the branching fractions of $\Lambda_c^+ \rightarrow \pi^0 \pi^0$ , $\Lambda_c^+ \rightarrow \pi^0 K^+ K^-$ , and $\Lambda_c^+ \rightarrow \pi^0 K^+$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	8
591	Measurement of CP violation in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
590	Amplitude Analysis of the Decay $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K_S^0 (892)^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 261801	7.4	7
589	Search for the CP-violating strong decays $\Lambda_c^0$ and $\Lambda_c^0(958) \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 233-240	4.2	7
588	Search for the suppressed decays $B^+ \rightarrow K^+ K^0$ and $B^+ \rightarrow \pi^+ K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 307-316	4.2	8
587	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , <b>2017</b> , 13, 391-396	6.2	45
586	Amplitude analysis of $B^+ \rightarrow \pi^0 K^+$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	56
585	Observation of J/ $\psi$ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \pi^0 K^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 022003	7.4	98
584	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 081801	7.4	18
583	First Experimental Study of Photon Polarization in Radiative $B_{s^*}^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021801	7.4	16



582	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> , <b>2017</b> , 767, 110-120	4.2	4
581	Observation of the decay $B_s^0 \rightarrow \mu^+ \mu^-$ and evidence for $B^0 \rightarrow \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	17
580	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2017</b> , 118, 052002	7.4	36
579	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 161	4.2	25
578	Study of the $D^0 \rightarrow p \bar{p}$ amplitude in $B^0 \rightarrow D^0 p \bar{p}$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	33
577	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 224	4.2	35
576	Observation of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>European Physical Journal C</i> , <b>2017</b> , 77, 72	4.2	4
575	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 177-187	4.2	11
574	Observation of the Decay $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 071801	7.4	7
573	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	48
572	Study of prompt $D^0$ meson production in pPb collisions at $(\sqrt{s_{NN}}=5.76)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
571	Prompt and nonprompt $J/\psi$ 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> , <b>2017</b> , 774, 159-178	4.2	26
570	Observation of charmless baryonic decays $B(s)^0 \rightarrow \bar{p} \Lambda^0 h$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	5
569	Study of charmonium production in $\pi^+ \pi^-$ hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 609	4.2	10
568	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 678	4.2	7
567	Observation of $B_c^+ \rightarrow \bar{D}^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
566	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
565	Measurement of the $B^0$ production asymmetry and the CP asymmetry in $B^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	6

564	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
563	Correlations and ridge in pPb collisions in the LHCb Experiment. <i>EPJ Web of Conferences</i> , <b>2017</b> , 141, 01007	7.3	2
562	Search for the $B \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	1
561	Observation of the decay $B \rightarrow \pi^0 \pi^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	5
560	Measurement of $B_{\pi^0}$ and $D_{\pi^0}$ Meson Lifetimes. <i>Physical Review Letters</i> , <b>2017</b> , 119, 101801	7.4	10
559	Observation of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 112001	7.4	257
558	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> , <b>2017</b> , 118, 261803	7.4	11
557	Observation of $B_{\pi^0} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 111803	7.4	13
556	Observation of Five New Narrow $\chi_{c0}$ States Decaying to $\chi_{c0} K^+$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 182001	7.4	154
555	Measurement of CP asymmetries in $D \rightarrow \pi^0 \pi^0$ and $D_s \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 21-30	4.2	6
554	Observation of $B(2S) \rightarrow \pi^0 \pi^0$ and search for $X(3872) \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 305-313	4.2	16
553	Observation of the $B \rightarrow \pi^0 \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 265-273	4.2	15
552	Measurement of the $B_{\pi^0} \rightarrow \pi^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 191801	7.4	106
551	Study of $J/\psi$ Production in Jets. <i>Physical Review Letters</i> , <b>2017</b> , 118, 192001	7.4	20
550	Observation of the Decays $\Lambda_b^0 \rightarrow \Lambda^0 p K^+$ and $\Lambda_b^0 \rightarrow \Lambda^0 \bar{p} K^+$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 062001	7.4	22
549	Observation of the $B \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	2
548	Search for the Decays $B_{\pi^0} \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 251802	7.4	40
547	Measurement of the shape of the $B \rightarrow \pi^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	23

546	Observation of the suppressed decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
545	Test of lepton universality with $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	298
544	$\chi_{c1}$ and $\chi_{c2}$ Resonance Parameters with the Decays $\chi_{c1,c2} \rightarrow \ell^+ \ell^- \pi^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 221801	7.4	8
543	Observation of $D^0$ Meson Decays to $\pi^+ \pi^- \pi^0$ and $K^+ K^- \pi^0$ Final States. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181805	7.4	14
542	Search for Baryon-Number Violating $\Delta B = 1$ Oscillations. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181807	7.4	1
541	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
540	New algorithms for identifying the flavour of $B$ mesons using pions and protons. <i>European Physical Journal C</i> , <b>2017</b> , 77, 238	4.2	4
539	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=5$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	16
538	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> , <b>2017</b> , 769, 345-356	4.2	7
537	Evidence for the two-body charmless baryonic decay $(\Lambda_b^0 \rightarrow \overline{\Lambda}^0 \pi^0)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
536	Improved performance of the LHCb Outer Tracker in LHC Run 2. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P11016-P11016	1	35
535	First Observation of the Rare Purely Baryonic Decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 232001	7.4	4
534	Resonances and CP violation in $B^0 \rightarrow \pi^+ \pi^-$ and $(\overline{B}^0 \rightarrow J/\psi K^+ K^-)$ decays in the mass region above the $\phi(1020)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
533	Study of $(\Lambda_b^0 \rightarrow \Lambda^0 \pi^0)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
532	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^-$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
531	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> , <b>2017</b> , 774, 139-158	4.2	10
530	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	2
529	First Observation of a Baryonic $B_{(s)}^0$ Decay. <i>Physical Review Letters</i> , <b>2017</b> , 119, 041802	7.4	10

528	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2017</b> , 77, 812	4.2	23
527	Updated branching fraction measurements of $B(s) \rightarrow \pi^0 h^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	4
526	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
525	Observation of the decay $B(s) \rightarrow \pi^0 \eta$ and evidence for $B(s) \rightarrow \pi^0 \eta'$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	6
524	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> , <b>2017</b> , 2017, 1	5.4	3
523	Measurement of the $B\pi$ production cross-section in pp collisions at $s = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	8
522	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
521	Measurement of the CP Asymmetry in $B_{s^0} \rightarrow B^0$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 117, 061803	7.4	18
520	Model-Independent Evidence for $J/\psi$ Contributions to $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082002	7.4	85
519	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082003	7.4	91
518	Studies of the resonance structure in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	13
517	Measurement of the mass and lifetime of the $B_c$ baryon. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
516	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241801	7.4	16
515	First observation of the rare $B^+ \rightarrow K^+ \pi^0$ decay. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
514	Measurement of the $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ branching fractions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
513	Constraints on the unitarity triangle angle $\Gamma$ from Dalitz plot analysis of $B^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
512	Observation of $B_{s^0} \rightarrow D^0 K_{S^0}$ and Evidence for $B_{s^0} \rightarrow D^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 161802	7.4	5
511	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> , <b>2016</b> , 116, 191601	7.4	25

510	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}^{0}$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241601	7.4	22
509	Search for Structure in the $B_{(s)}^{0} \rightarrow \mu^+ \mu^-$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , <b>2016</b> , 117, 152003	7.4	64
508	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^-$ in the $K^*0,2(1430)^0$ region. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
507	Study of $D^{(*)} + sJ$ mesons decaying to $D^* + K^0 S$ and $D^*0 K^+$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
506	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	34
505	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> , <b>2016</b> , 2016, 1	5.4	10
504	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	11
503	Measurements of prompt charm production cross-sections in pp collisions at $(\sqrt{s} = 13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	65
502	First observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	3
501	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
500	First observation of the decay $D^0 \rightarrow \pi^+ \pi^- \pi^0$ in the $\pi^0$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 558-567	4.2	10
499	Angular analysis of the $B^0 \rightarrow \pi^+ \pi^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	232
498	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , <b>2016</b> , 76, 412	4.2	6
497	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , <b>2016</b> , 76, 664	4.2	16
496	Observations of $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^+ \pi^- K^0$ decays and searches for other $D^0$ and $D^+$ decays to $B + h^0$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	17
495	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> , <b>2016</b> , 2016, 1	5.4	8
494	Observation of $D^0 \rightarrow \pi^+ \pi^- K^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and a measurement of the $D^0$ baryon mass. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	15
493	Measurement of the properties of the $\Lambda^0$ baryon. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	15

492	Production of associated $\Upsilon$ 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> , <b>2016</b> , 2016, 1	5-4	25
491	Measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow DK^*0$ with $D \rightarrow K^* S^0 \rightarrow \pi\pi$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5-4	6
490	Measurement of the forward Z boson production cross-section in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	13
489	Measurement of the ratio of branching fractions ( $\frac{\text{Br}(B \rightarrow K^* \psi^+ \psi^-)}{\text{Br}(B \rightarrow K^* \psi^+ \psi^-)}$ ). <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
488	Measurement of forward W-f $\ell$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	8
487	Measurement of the CKM angle $\Gamma$ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	23
486	Measurements of the S-wave fraction in $B^0 \rightarrow K^* \pi^+ \pi^-$ decays and the $B^0 \rightarrow K^* (892)^0 \rightarrow \pi\pi$ differential branching fraction. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	48
485	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , <b>2016</b> , 40, 011001	2-2	65
484	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05010-P05010	1	10
483	Amplitude analysis of $B \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2016</b> , 94,	4-9	45
482	Study of $B_c^+$ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow \pi^+ \pi^0$ . <i>Physical Review D</i> , <b>2016</b> , 94,	4-9	17
481	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 261801	7-4	6
480	Measurement of the $B_{s0} \rightarrow \pi\pi$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 484-492	4-2	4
479	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> , <b>2016</b> , 754, 167-175	4-2	14
478	Model-independent measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow DK^*0$ decays with $D \rightarrow K^* S^0 \rightarrow \pi\pi$ and $K^* S^0 \rightarrow K^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	6
477	First study of the CP-violating phase and decay-width difference in $B_{s0} \rightarrow \pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 253-262	4-2	13
476	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> , <b>2016</b> , 762, 473-483	4-2	32
475	Search for $B_c^+$ decays to the $\pi^+ \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 313-321	4-2	10



474	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 282-292	4.2	12
473	Measurement of CP observables in $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 D^0$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 117-131	4.2	16
472	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , <b>2015</b> , 11, 743-747	4.2	79
471	Determination of $\Delta\alpha_{\text{had}}^{(5)}$ from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 741, 1-11	4.2	9
470	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> , <b>2015</b> , 743, 46-55	4.2	13
469	Measurement of the semileptonic CP asymmetry in $B^0 \rightarrow B^0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28
468	Precision measurement of CP violation in $B(S)^0 \rightarrow \pi^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
467	Measurement of $B_c^+$ Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 132001	7.4	35
466	LHCb detector performance. <i>International Journal of Modern Physics A</i> , <b>2015</b> , 30, 1530022	1.2	452
465	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2015</b> , 75, 152	4.2	26
464	Search for CP violation in $D^0 \rightarrow \pi^0 \pi^0$ decays with the energy test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 158-167	4.2	16
463	Study of $\pi^0$ mixing from measurement of $B(s)^0 \rightarrow \pi^0 \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	8
462	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> , <b>2015</b> , 2015, 1	5.4	7
461	Search for the lepton flavour violating decay $B^0 \rightarrow \pi^0 \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
460	Precise measurements of the properties of the $B(5721)^0$ and $B^*(5747)^0$ states and observation of $B^+ \rightarrow \pi^0 \pi^+$ mass structures. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
459	Measurement of indirect CP asymmetries in $D^0 \rightarrow \pi^0 K^+$ and $D^0 \rightarrow \pi^0 \pi^0$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	14
458	Observation of the rare $B(s)^0 \rightarrow \pi^+ \pi^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , <b>2015</b> , 522, 68-72	50.4	326
457	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P06013-P06013		32



456	Measurement of the $[Formula: see text]$ production cross-section in proton-proton collisions via the decay $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 311	4.2	41
455	Study of CP violation in $B^0 \rightarrow \bar{D} h^0$ ( $h=K, \pi$ ) 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> , <b>2015</b> , 91,	4.9	13
454	Study of $B \rightarrow K \pi \pi$ and $B \rightarrow \pi \pi \pi$ decays and determination of the CKM angle $\alpha$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	4
453	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , <b>2015</b> , 115, 112001	7.4	16
452	Evidence for the Strangeness-Changing Weak Decay $\bar{B} \rightarrow \bar{D}^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 241801	7.4	14
451	First observation and amplitude analysis of the $B \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	30
450	Quantum numbers of the X(3872) state and orbital angular momentum in its $J/\psi \gamma$ decay. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	34
449	Amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	16
448	Dalitz plot analysis of $B^0 \rightarrow \bar{D}^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	53
447	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	17
446	Measurement of the branching fraction ratio $B(B_c \rightarrow \bar{D}^0 S^0)/B(B_c \rightarrow \bar{D}^0 \pi^0)$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	11
445	Search for the rare decays $B^0 \rightarrow \bar{D}^0 \pi^0$ and $B_s^0 \rightarrow \bar{D}^0 \pi^0$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	7
444	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	25
443	Measurement of CP Violation in $B^0 \rightarrow \bar{D}^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031601	7.4	22
442	Observation of the $B(s)(0) \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051801	7.4	7
441	Observation of $J/\psi$ Resonances Consistent with Pentaquark States in $\bar{B} \rightarrow \bar{D}^0 \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 072001	7.4	580
440	Measurement of the ratio of branching fractions $B(B \rightarrow \bar{D}^0 \pi^0 \pi^0)/B(B \rightarrow \bar{D}^0 \pi^0 \pi^0)$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 111803	7.4	316
439	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^0 \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 161802	7.4	65

438	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P02007-P02007	5-4	37
437	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P10005-P10005	5-4	39
436	Measurement of CP asymmetries and polarisation fractions in $(\{B\}_s^0 \rightarrow \{K\}^{\ast 0} \overline{\{K\}}^{\ast 0})$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	6
435	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	31
434	Search for the $D^0_b - \overline{D}^0_b$ and $D^0_b - \overline{D}^0_b$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	6
433	Measurement of the exclusive $\Lambda$ production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	42
432	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	8
431	Forward production of $\Lambda$ mesons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	21
430	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow \ell^+ \ell^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	22
429	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> , <b>2015</b> , 2015, 1	5-4	4
428	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	27
427	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	11
426	Measurement of CP violation parameters and polarisation fractions in $(\{B\}_s^0 \rightarrow \{J\}/\psi \overline{\{K\}}^{\ast 0})$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	12
425	Measurement of forward Z $\rightarrow e^+ e^-$ production at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	17
424	Differential branching fraction and angular analysis of $D^0_b \rightarrow \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	54
423	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^+ \pi^- K^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	9
422	Search for the decay $(\{B\}_s^0 \rightarrow \overline{\{D\}}^0 \{F\}_0(980))$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	10
421	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	47

420	Observation of the decay $B^0 \rightarrow \pi^0 K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 484-494	4.2	12
419	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	138
418	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> , <b>2015</b> , 2015, 1	5.4	13
417	Angular analysis of the $B^0 \rightarrow \pi^0 e^+ e^-$ decay in the low- $q^2$ region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	20
416	Determination of the branching fractions of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	5
415	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , <b>2015</b> , 75, 595	4.2	8
414	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 468-478	4.2	9
413	Measurement of the lifetime of the $B_c^+$ meson using the $B_c^+ \rightarrow \pi^0 \pi^0$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 29-37	4.2	25
412	Observation of two new $\Lambda_b(-)$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
411	Measurement of the CP-violating phase $\arg(B^0 \rightarrow \pi^0 \pi^0)$ and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 38-49	4.2	24
410	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	60
409	Measurement of the electron structure function $F_2^{\text{eep}}$ at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 737, 39-47	4.2	
408	Measurement of the $B^0$ and $B^+$ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 154-162	4.2	10
407	Effective lifetime measurements in the $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 446-454	4.2	9
406	Measurement of the CP-violating phase $\arg(B^0 \rightarrow \pi^0 \pi^0)$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 186-195	4.2	33
405	Evidence for the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2014</b> , 886, 665-680	2.8	79
404	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	27
403	Searches for $(\Lambda_b^0)$ and $(\Xi_b^0)$ decays to $(K_{\text{S}}^0 \pi^0)$ and $(K_{\text{S}}^0 \pi^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18

402	Observation of associated production of a Z boson with a D meson in the forward region. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5-4	7
401	Measurements of the B <sup>+</sup> , B <sup>0</sup> , B <sub>s</sub> <sup>0</sup> meson and Λ <sub>b</sub> <sup>0</sup> baryon lifetimes. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5-4	22
400	Measurement of polarization amplitudes and CP asymmetries in B <sup>0</sup> → K <sup>0</sup> K <sup>0</sup> decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	8
399	Angular analysis of charged and neutral B → K <sup>0</sup> K <sup>0</sup> decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	18
398	Evidence for the decay (B <sub>c</sub> <sup>+</sup> → J/ψ left/ right). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	16
397	Differential branching fractions and isospin asymmetries of B → K <sup>0</sup> K <sup>0</sup> decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	142
396	Measurement of CP asymmetry in D <sup>0</sup> → K <sup>0</sup> K <sup>0</sup> and D <sup>0</sup> → K <sup>0</sup> K <sup>0</sup> decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	42
395	Study of (Upsilon) production and cold nuclear matter effects in pPb collisions at (sqrt{s <sub>NN</sub> }) = 5 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	27
394	Observation of the B → J/ψ K <sup>0</sup> decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	29
393	Observation of the B <sup>0</sup> → J/ψ K <sup>0</sup> decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	5
392	Study of the kinematic dependences of B <sup>0</sup> production in pp collisions and a measurement of the B <sup>0</sup> → J/ψ c branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	30
391	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	15
390	Measurement of Upsilon production in pp collisions at sqrt{s} = 2.76 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74,	4-2	23
389	Measurement of the [Formula: see text] meson lifetime using [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2839	4-2	32
388	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2872	4-2	35
387	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text] TeV in the forward region. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2888	4-2	20
386	Search for the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 234-243	4-2	8
385	Search for CP violation in the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 585-595	4-2	15

384	Measurement of the charge asymmetry in $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 85-94	4.2	10
383	Observation of the resonant character of the $Z(4430)^0$ state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
382	Observation of photon polarization in the $B^0 \rightarrow \pi^0 \pi^0$ transition. <i>Physical Review Letters</i> , <b>2014</b> , 112, 161801	7.4	29
381	Precision measurement of the ratio of the $B^0 \rightarrow K^0 \pi^0$ and $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 734, 122-130	4.2	43
380	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P12005-P12005	1	79
379	Performance of the LHCb Outer Tracker. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P01002-P01002	1	127
378	Measurement of the CP-violating phase $\phi_1$ in $B_s(0) \rightarrow D_s^{\pm} D_s^{\mp}$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 211801	7.4	17
377	Measurement of CP violation parameters in $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11
376	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	47
375	Updated measurements of exclusive $J/\psi$ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 055002	2.9	83
374	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^0 \pi^0$ and $B^+ \rightarrow K^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	15
373	Observation of $B_{s1}^0 \rightarrow \{K^{\pm} K^{\mp}\} \{K^{\pm} \pi^{\mp}\}$ and evidence for $B_{s1}^0 \rightarrow \{K^{\pm} \pi^{\mp}\} \{K^{\pm} \pi^{\mp}\}$ decays. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123001	2.9	6
372	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D \rightarrow K S^0$ decays. <i>Nuclear Physics B</i> , <b>2014</b> , 888, 169-193	2.8	13
371	Measurement of the $B^0 \rightarrow B^0$ and $B^0 \rightarrow B^0$ production asymmetries in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 218-228	4.2	22
370	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , <b>2014</b> , 113, 082003	7.4	15
369	Evidence for CP violation in $B^+ \rightarrow \rho^0 K^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141801	7.4	14
368	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7.4	24
367	Measurement of resonant and CP components in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	54

366	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131802	7.4	70
365	Measurement of the $B_s^0$ meson lifetime in $D_s^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
364	Measurement of CP violation in the phase space of $B^0 \rightarrow K^+ K^- \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 011801	7.4	61
363	Measurement of the resonant and CP components in $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	52
362	Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 162001	7.4	61
361	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D^- D^+$ effective lifetimes. <i>Physical Review Letters</i> , <b>2014</b> , 112, 111802	7.4	12
360	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	70
359	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 041801	7.4	18
358	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 032001	7.4	30
357	Test of lepton universality using $b^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
356	Precision measurement of the mass and lifetime of the $\Lambda_b^0$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 242002	7.4	26
355	Measurement of CP violation in $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	13
354	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	21
353	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> , <b>2014</b> , 112, 091802	7.4	17
352	Measurement of the ratio of $B_c^+$ branching fractions to $J/\psi$ and $J/\psi$ final states. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	23
351	Studies of beauty baryon decays to $D^0 p h$ and $\bar{B}^0 h$ final states. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	25
350	Observation of charmonium pairs produced exclusively in $pp$ collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 115002	2.9	10
349	Study of $\chi_{c0}$ meson production in $pp$ collisions at $\sqrt{s} = 7$ and $8$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74,	4.2	33



348	Search for CP violation using T-odd correlations in $D^0 \rightarrow \pi^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	16
347	Search for CP violation in $D^0 \rightarrow \pi^+ K^- \pi^0$ and $D^0 \rightarrow \pi^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	8
346	First observations of the rare decays $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	7
345	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	17
344	Measurement of the CKM angle $\alpha$ using $B^0 \rightarrow \pi^+ \pi^- K^0$ with $D^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	19
343	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	10
342	Measurement of the forward W boson cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	14
341	Measurement of the flavour-specific CP-violating asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 607-615	4-2	31
340	A study of CP violation in $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays with $D^0 \rightarrow \pi^+ \pi^- K^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 733, 36-45	4-2	12
339	Study of forward Z + jet production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	20
338	Domain-Oriented Services for High Energy Physics in Polish Computing Centers. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 226-237	0-9	
337	Differential branching fraction and angular analysis of the decay $(B_s^0 \rightarrow \pi^+ \pi^-)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	86
336	Search for CP violation in $D^0 \rightarrow \pi^+ \pi^-$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
335	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	48
334	Production of $J/\psi$ and $(\chi_{c0})$ mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	58
333	Measurement of the $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	22
332	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> , <b>2013</b> , 2013, 1	5-4	4
331	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	78



330	Measurement of CP observables in $B^0 \rightarrow \bar{D} K^{*0}$ with $D \rightarrow K + K$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6
329	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> , <b>2013</b> , 2013, 1	5.4	43
328	Differential branching fraction and angular analysis of the $B \rightarrow \bar{K} + \bar{D}^0$ decay. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	63
327	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \phi$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	13
326	Measurement of $J/\psi$ production in pp collisions at $(\sqrt{s}=2.76; \text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	28
325	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2421	4.2	17
324	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2462	4.2	19
323	Search for $D(s) \rightarrow \pi \pi$ and $D(s) \rightarrow \pi \eta$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 203-212	4.2	30
322	Model-independent search for CP violation in $B \rightarrow \pi \pi$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 623-633	4.2	19
321	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> , <b>2013</b> , 721, 24-31	4.2	11
320	Branching fraction and CP asymmetry of the decays $B \rightarrow \bar{K} S^0$ and $B \rightarrow \bar{K} S^0 K^+$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 646-655	4.2	9
319	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow \{K^+\} \{K^-\})$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	25
318	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> , <b>2013</b> , 2013,	5.4	14
317	Measurement of the relative rate of prompt $\Xi^0$ , $\Xi^1$ and $\Xi^2$ production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	31
316	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \bar{p} \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013,	5.4	7
315	Study of $D^0$ meson decays to $D^+ D^-$ and $D^+ D^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	69
314	First observation of the decay $(B_c^+ \rightarrow \{J/\psi\} \{K^+\})$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	36
313	Searches for $(B_{(s)}^0 \rightarrow \{J/\psi\} \{p\})$ and $B \rightarrow \bar{f} J/\psi (\bar{p})$ decays. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	6

312	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	99
311	Measurement of B meson production cross-sections in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	45
310	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	116
309	Observation of $B^0 \rightarrow \pi^0 \pi^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , <b>2013</b> , 73,	4.2	14
308	Search for the doubly charmed baryon ( $\Xi_{cc}^{++}$ ). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	41
307	Measurement of $\Lambda$ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2631	4.2	87
306	Observation of the decay $(B_c^{++}) \rightarrow \pi^+ K^0$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	20
305	First observation of the decay $(B_s^0 \rightarrow \pi^0 \pi^0)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	7
304	First evidence for the decay $B(s)(0) \rightarrow \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2013</b> , 110, 021801	7.4	263
303	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , <b>2013</b> , 110, 221601	7.4	78
302	Search for the rare decay $(K_{\text{S}}^0 \rightarrow \mu^+ \mu^-)$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	10
301	A study of the Z production cross-section in pp collisions at ( $\sqrt{s}=7, \text{TeV}$ ) using tau final states. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	13
300	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^0 \pi^0)/B(B^0 \rightarrow \pi^0 \pi^0)$ and the direct CP asymmetry in $B^0 \rightarrow K^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2013</b> , 867, 1-18	2.8	29
299	Measurement of the effective $\alpha_s$ . <i>Nuclear Physics B</i> , <b>2013</b> , 873, 275-292	2.8	10
298	Prompt charm production in pp collisions at $\sqrt{s}=7$ . <i>Nuclear Physics B</i> , <b>2013</b> , 871, 1-20	2.8	163
297	Observation of the suppressed ADS modes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 723, 44-53	4.2	14
296	Measurement of the CKM angle $\phi_1$ from a combination of $B^0 \rightarrow \pi^0 \pi^0$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 151-163	4.2	33
295	Measurement of the $B^0 \rightarrow \pi^0$ oscillation frequency $\Delta m_d$ with the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 318-325	4.2	15

294	Search for direct CP violation in $B \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 723, 33-43	4.2	29
293	Measurements of the $B^0 \rightarrow \pi^0 \pi^0$ decay amplitudes and the $B^0$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 27-35	4.2	41
292	Observation of the decay $B_s^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 403-411	4.2	13
291	Search for the rare decay $D^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 15-24	4.2	23
290	Measurement of the differential branching fraction of the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 25-35	4.2	29
289	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , <b>2013</b> , 532, 119-244	27.7	291
288	Evidence for the decay $B^0 \rightarrow \pi^0 \pi^0$ and measurement of the relative branching fractions of $B_s^0$ meson decays to $J/\psi$ and $J/\psi$ . <i>Nuclear Physics B</i> , <b>2013</b> , 867, 547-566	2.8	25
287	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> , <b>2013</b> , 724, 36-45	4.2	27
286	Observation of $B^0 \rightarrow \pi^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2013</b> , 874, 663-678	2.8	8
285	Observation of $D^0$ - $\bar{D}^0$ oscillations. <i>Physical Review Letters</i> , <b>2013</b> , 110, 101802	7.4	45
284	Observations of $B^0 \rightarrow \pi^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2013</b> , 871, 403-419	2.8	16
283	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 902-909	4.2	31
282	Precision measurement of the $B^0$ oscillation frequency with the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>New Journal of Physics</i> , <b>2013</b> , 15, 053021	2.9	49
281	Exclusive $J/\psi$ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2013</b> , 40, 045001	2.9	85
280	Search for the lepton-flavor-violating decays $B(s) \rightarrow e^+ e^- \pi^0$ and $B \rightarrow e^+ e^- \pi^0$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 141801	7.4	25
279	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , <b>2013</b> , 111, 102003	7.4	32
278	Measurement of CP violation and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \pi^0 K^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	66
277	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> , <b>2013</b> , 111, 251801	7.4	34

276	First observations of $B_{\text{u}}^0 \rightarrow D^+ D_s^-$ and $D^0 D_s^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	19
275	Measurement of the $\Lambda_b(0)$ , $\Lambda_b(-)$ , and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , <b>2013</b> , 110, 182001	7.4	57
274	Measurement of the CP asymmetry in $B(+) \rightarrow K(+) \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 151801	7.4	11
273	First measurement of the CP-violating phase in $B_s(0) \rightarrow \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 241801	7.4	14
272	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , <b>2013</b> , 110, 222001	7.4	234
271	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 K^+$ <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	16
270	Analysis of the resonant components in $B^0 \rightarrow \ell^+ \ell^-$ <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	49
269	Observation of the decay $B(c)(+) \rightarrow B(s)(0)^0$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 181801	7.4	55
268	Search for the decay $B_s^0 \rightarrow D^{*+} \pi^-$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	6
267	Measurement of the polarization amplitudes in $B^0 \rightarrow \ell^+ \ell^- K^*(892)^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	15
266	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \pi^0$ and $B^0 \rightarrow K^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101801	7.4	70
265	Observation of the decay $B_c^+ \rightarrow \ell^+ D_s^0$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	28
264	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 191801	7.4	314
263	Observation of $B_c^+ \rightarrow \ell^+ D_s^+$ and $B_c^+ \rightarrow \ell^+ D_s^{*+}$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	46
262	Study of $B^0 \rightarrow D^{*+} \pi^-$ and $B^0 \rightarrow D^{*+} K^-$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	9
261	Measurement of the CP asymmetry in $B(0) \rightarrow K^{*0} \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 031801	7.4	21
260	Studies of the decays $B^+ \rightarrow \rho^+ \pi^0$ and observation of $B^+ \rightarrow \rho(1520)^+ \pi^-$ . <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
259	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , <b>2013</b> , 111, 112003	7.4	43

258	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{D}^0 \pi^0 / K^0 \pi^0$ . <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	32
257	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> , <b>2013</b> , 110, 151803	7.4	42
256	First observation of $B \rightarrow \bar{D}^0 \pi^0 / K^0 \pi^0$ and search for $B \rightarrow \bar{D}^0 \pi^0 / K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	14
255	Measurement of the $B_s(0) \rightarrow \bar{D}^0 \pi^0$ branching fraction and search for $B(0) \rightarrow \bar{D}^0 \pi^0$ decays at the LHCb experiment. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101805	7.4	221
254	Search for rare $B(0) \rightarrow (\pi^0 \pi^0) \pi^0$ decays. <i>Physical Review Letters</i> , <b>2013</b> , 110, 211801	7.4	14
253	The LHCb trigger and its performance in 2011. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, P04022-P04022	1	281
252	Observation of $B \rightarrow \bar{D}^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 52-59	4.2	104
251	Measurement of the effective $B \rightarrow \bar{D}^0 \pi^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 349-356	4.2	16
250	Measurement of the CP violating phase $\phi_1$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 707, 497-505	4.2	34
249	Search for the rare decays $B \rightarrow \bar{D}^0 \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 55-67	4.2	29
248	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 708, 241-248	4.2	55
247	First observation of the decay $B \rightarrow \bar{D}^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 50-58	4.2	22
246	Measurement of the $B \rightarrow \bar{D}^0 \pi^0$ oscillation frequency $\Delta m_{B \rightarrow \bar{D}^0 \pi^0}$ in $B \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 177-184	4.2	42
245	Observation of CP violation in $B \rightarrow \bar{D}^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 203-212	4.2	69
244	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in the forward region. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
243	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	121
242	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2022	4.2	39
241	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2025	4.2	83

240	Measurement of the $B \rightarrow \mu \mu$ production cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	19
239	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^{\pm} \mu^{\mp} K^{\pm}$ and $B_s^0 \rightarrow D_s^{\pm} \pi^{\mp} K^{\pm}$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	15
238	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	86
237	Measurement of the isospin asymmetry in $B \rightarrow K^* \mu \mu$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	59
236	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	51
235	Study of $D_s$ decays to $D^+ K_{\text{S}}^0$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012,	5-4	24
234	Measurement of the fraction of $\Upsilon(1S)$ originating from $B(1P)$ decays in pp collisions at $(\sqrt{s}=7, \text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	17
233	First observation of the decay $B \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	35
232	Evidence for CP violation in time-integrated $D^0 \rightarrow h^+ h^-$ decay rates. <i>Physical Review Letters</i> , <b>2012</b> , 108, 111602	7-4	150
231	Measurements of the branching fractions and CP asymmetries of $B \rightarrow \pi \pi$ and $B \rightarrow \pi K$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	19
230	First evidence of direct CP violation in charmless two-body decays of $B_s^0$ mesons. <i>Physical Review Letters</i> , <b>2012</b> , 108, 201601	7-4	43
229	Measurement of the ratio of branching fractions $B(B \rightarrow K^* \mu \mu) / B(B_s \rightarrow \mu \mu)$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	12
228	Searches for Majorana neutrinos in $B \rightarrow \mu \mu$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	47
227	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	105
226	Radiation hardness of the LHCb Outer Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2012</b> , 685, 62-69	1-2	5
225	Measurement of the $\alpha_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 172-179	4-2	12
224	Measurement of the $\alpha_s$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 186-195	4-2	33
223	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \pi \pi$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 369-377	4-2	13



222	Measurement of the CP-violating phase . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 378-386	4.2	31
221	Measurement of the cross-section ratio . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 215-223	4.2	41
220	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2100	4.2	63
219	Measurement of relative branching fractions of decays to (2) and / mesons. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2118	4.2	18
218	Measurement of prompt hadron production ratios in pp collisions at ( $\sqrt{s} = 0.9$ and $7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	23
217	Measurement of the effective . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 393-400	4.2	10
216	A model-independent Dalitz plot analysis of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 43-55	4.2	20
215	Measurement of the ratio of prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 431-440	4.2	42
214	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	22
213	Inclusive W and Z production in the forward region at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	60
212	First observation of the decay $B(c)+ \bar{f}J/\psi \rightarrow \bar{f}J/\psi$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 251802	7.4	50
211	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \bar{f}K^*0 \rightarrow \bar{f}K^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 181806	7.4	39
210	Measurement of the $B\psi(0)$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , <b>2012</b> , 109, 152002	7.4	14
209	First observation of the decays $B(0) \rightarrow \bar{f}D(+)K(-)J/\psi$ and $B(-) \rightarrow \bar{f}D(0)K(-)J/\psi$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 161801	7.4	8
208	Observation of excited $\Lambda_b(0)$ baryons. <i>Physical Review Letters</i> , <b>2012</b> , 109, 172003	7.4	68
207	Analysis of the resonant components in $B\psi(0) \rightarrow \bar{f}J/\psi$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	59
206	Determination of the sign of the decay width difference in the $B(s)(0)$ system. <i>Physical Review Letters</i> , <b>2012</b> , 108, 241801	7.4	55
205	Measurement of the $Bs^0 \rightarrow \bar{f}K^*0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	17



204	Strong constraints on the rare decays $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B(0) \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 231801	7.4	144
203	Search for lepton number violating decays $B^+ \rightarrow \mu^+ \mu^+ \mu^-$ and $B^+ \rightarrow \mu^+ K^- \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 101601	7.4	35
202	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)(0) \rightarrow f_1/\pi$ . <i>Physical Review Letters</i> , <b>2012</b> , 108, 101803	7.4	95
201	Search for the $X(4140)$ state in $B^+ \rightarrow f_1/\pi K^+$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	55
200	First observation of the decays $B(s)0 \rightarrow D_s + K^0/\bar{K}^0$ and $B(s)0 \rightarrow D_s1(2536) + \pi$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	9
199	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow f_1/\pi$ decay. <i>Physical Review Letters</i> , <b>2012</b> , 109, 232001	7.4	53
198	Observation of $B(0) \rightarrow D^*(0)K(+)K(-)$ and evidence for $B(s)(0) \rightarrow D^*(0)K(+)K(-)$ . <i>Physical Review Letters</i> , <b>2012</b> , 109, 131801	7.4	22
197	Publisher's Note: Evidence for CP Violation in Time-Integrated $D(0) \rightarrow f_1/\pi$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , <b>2012</b> , 108,	7.4	2
196	Observation of $B(s)(0) \rightarrow f_1/\pi(2)'\pi(1525)$ in $J/\psi \rightarrow K^-$ final states. <i>Physical Review Letters</i> , <b>2012</b> , 108, 151801	7.4	16
195	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P01010-P01010	1	34
194	The Software Architecture of the LHCb High Level Trigger. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 396, 012053	0.3	
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191	First observation of the decay $\pi^0 \rightarrow \gamma \gamma$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 706, 32-39	4.2	14
190	Search for single top quark production via contact interactions at LEP2. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	3
189	A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Z Pole. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	25
188	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	216
187	Measurement of $V(0)$ production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	12

186	Search for CP violation in $D^+-K^0_S$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	17
185	First observation of $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 14-20	4.2	25
184	First observation of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 115-122	4.2	66
183	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 699, 330-340	4.2	58
182	Measurements of the branching fractions for $B(s) \rightarrow D(s) \pi$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	20
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180	Measurements of CP-conserving trilinear gauge boson couplings $WWV$ ( $V=\gamma, Z$ ) in $e^+e^-$ collisions at LEP2. <i>European Physical Journal C</i> , <b>2010</b> , 66, 35-56	4.2	18
179	Study of the dependence of direct soft photon production on the jet characteristics in hadronic $Z^0$ decays. <i>European Physical Journal C</i> , <b>2010</b> , 67, 343-366	4.2	10
178	Prompt $\gamma$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 693, 69-80.	4.2	20
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176	Inclusive single-particle production in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2009</b> , 678, 444-449	4.2	1
175	Search for one large extra dimension with the DELPHI detector at LEP. <i>European Physical Journal C</i> , <b>2009</b> , 60, 17-23	4.2	35
174	A study of $(\bar{b}b)$ production in $e^+e^-$ collisions at $(\sqrt{s}=130) \div 107$ GeV. <i>European Physical Journal C</i> , <b>2009</b> , 60, 1-15	4.2	10
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172	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, S08005-S08005	1	622
171	Higgs boson searches in CP-conserving and CP-violating MSSM scenarios with the DELPHI detector. <i>European Physical Journal C</i> , <b>2008</b> , 54, 1	4.2	
170	Study of $W$ -boson polarisations and triple gauge boson couplings in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP 2. <i>European Physical Journal C</i> , <b>2008</b> , 54, 345-364	4.2	32
169	Measurement of the mass and width of the $W$ boson in $e^+e^-$ collisions at $(\sqrt{s}) = 161 \div 109$ GeV. <i>European Physical Journal C</i> , <b>2008</b> , 55, 1	4.2	28

168	Study of b-quark mass effects in multijet topologies with the DELPHI detector at LEP. <i>European Physical Journal C</i> , <b>2008</b> , 55, 525-538	4.2	15
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166	Observation of the muon inner bremsstrahlung at LEP1. <i>European Physical Journal C</i> , <b>2008</b> , 57, 499-514	4.2	8
165	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. <i>Astroparticle Physics</i> , <b>2007</b> , 28, 273-286	2.4	40
164	Search for pentaquarks in the hadronic decays of the Z boson with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 653, 151-160	4.2	5
163	Search for a fourth generation b-quark at LEP-II at $(\sqrt{s}=196-209 \text{ GeV})$ . <i>European Physical Journal C</i> , <b>2007</b> , 50, 507-518	4.2	3
162	Investigation of Colour Reconnection in WW events with the DELPHI detector at LEP-2. <i>European Physical Journal C</i> , <b>2007</b> , 51, 249	4.2	12
161	$Z\gamma$ production in $e+e^-$ interactions at $(\sqrt{s} = 183-209 \text{ GeV})$ . <i>European Physical Journal C</i> , <b>2007</b> , 51, 503-523	4.2	2
160	Study of triple-gauge-boson couplings ZZZ, ZZ $\gamma$ and Z $\gamma\gamma$ at LEP. <i>European Physical Journal C</i> , <b>2007</b> , 51, 525-542	4.2	21
159	Search for $\tilde{B}$ in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 634, 340-346	4.2	10
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157	Study of leading hadrons in gluon and quark fragmentation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 643, 147-157	4.2	6
156	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , <b>2006</b> , 427, 257-454	27.7	730
155	Determination of heavy quark non-perturbative parameters from spectral moments in semileptonic B decays. <i>European Physical Journal C</i> , <b>2006</b> , 45, 35-59	4.2	22
154	Single intermediate vector boson production in $e + e^-$ collisions * at $(\sqrt{s} = 183-209 \text{ GeV})$ . <i>European Physical Journal C</i> , <b>2006</b> , 45, 273-289	4.2	47
153	Measurement and interpretation of fermion-pair production at LEP energies above the Z resonance. <i>European Physical Journal C</i> , <b>2006</b> , 45, 589-632	4.2	24
152	A measurement of the tau hadronic branching ratios. <i>European Physical Journal C</i> , <b>2006</b> , 46, 1-26	4.2	3
151	Study of double-tagged $\tilde{t}$ events at LEP II. <i>European Physical Journal C</i> , <b>2006</b> , 46, 559-568	4.2	2

150	Determination of the b quark mass at the MZ scale with the DELPHI detector at LEP. <i>European Physical Journal C</i> , <b>2006</b> , 46, 569-583	4.2	11
149	Search for excited leptons in e+e- collisions at $(\sqrt{s})=189\text{--}209$ GeV. <i>European Physical Journal C</i> , <b>2006</b> , 46, 277	4.2	10
148	A determination of the centre-of-mass energy at LEP2 using radiative two-fermion events. <i>European Physical Journal C</i> , <b>2006</b> , 46, 295-305	4.2	7
147	Evidence for an excess of soft photons in hadronic decays of Z0. <i>European Physical Journal C</i> , <b>2006</b> , 47, 273-294	4.2	17
146	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , <b>2006</b> , 47, 547	4.2	496
145	Photon events with missing energy in e + e- collisions at $(\sqrt{s} = \{\})$ 130 to 209 GeV. <i>European Physical Journal C</i> , <b>2005</b> , 38, 395-411	4.2	117
144	Measurement of the energy dependence of hadronic jet rates and the strong coupling ( $\alpha_s$ ) from the four-jet rate with the DELPHI detector at LEP. <i>European Physical Journal C</i> , <b>2005</b> , 38, 413-426	4.2	10
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142	Flavour independent searches for hadronically decaying neutral Higgs bosons. <i>European Physical Journal C</i> , <b>2005</b> , 44, 147-159	4.2	7
141	Bose-Einstein Correlations in W+ W- events at LEP2. <i>European Physical Journal C</i> , <b>2005</b> , 44, 161-174	4.2	9
140	Production of $(\Xi_{c^0})$ and $(\Xi_b)$ in Z decays and lifetime measurement of $(\Xi_b)$ . <i>European Physical Journal C</i> , <b>2005</b> , 44, 299-309	4.2	8
139	Final results from DELPHI on the searches for SM and MSSM neutral Higgs bosons. <i>European Physical Journal C</i> , <b>2004</b> , 32, 145-183	4.2	29
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137	Measurement of $ V_{cb} $ using the semileptonic decay $(\overline{B}^0_{(d)}) \rightarrow D^+ \ell^- \overline{\nu}_{(\ell)})$ . <i>European Physical Journal C</i> , <b>2004</b> , 33, 213-232	4.2	23
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133	Search for SUSY in the AMSB scenario with the DELPHI detector. <i>European Physical Journal C</i> , <b>2004</b> , 34, 145-156	4.2	12

132	Search for charged Higgs bosons at LEP in general two Higgs doublet models. <i>European Physical Journal C</i> , <b>2004</b> , 34, 399-418	4.2	69
131	Search for $(B^0_s - \overline{B^0_s})$ oscillations in DELPHI using high- $p_t$ leptons. <i>European Physical Journal C</i> , <b>2004</b> , 35, 35-52	4.2	6
130	Study of tau-pair production in photon-photon collisions at LEP and limits on the anomalous electromagnetic moments of the tau lepton. <i>European Physical Journal C</i> , <b>2004</b> , 35, 159-170	4.2	76
129	Search for fermiophobic Higgs bosons in final states with photons at LEP 2. <i>European Physical Journal C</i> , <b>2004</b> , 35, 313-324	4.2	20
128	Search for supersymmetric particles assuming R-parity non-conservation in $e^+e^-$ collisions at $(\sqrt{s} = 192)$ to 208 GeV. <i>European Physical Journal C</i> , <b>2004</b> , 36, 1-23	4.2	22
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126	A precise measurement of the tau lifetime. <i>European Physical Journal C</i> , <b>2004</b> , 36, 283-296	4.2	10
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121	Searches for invisibly decaying Higgs bosons with the DELPHI detector at LEP. <i>European Physical Journal C</i> , <b>2004</b> , 32, 475-492	4.2	30
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118	Search for resonant $(\tilde{\nu}_\tau)$ production at $(\sqrt{s} = )$ 183 to 208 GeV. <i>European Physical Journal C</i> , <b>2003</b> , 28, 15-26	4.2	7
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114	Measurement of the ( $e^+ + e^- \rightarrow W^+ + W^- \gamma$ ) cross-section and limits on anomalous quartic gauge couplings with DELPHI. <i>European Physical Journal C</i> , <b>2003</b> , 31, 139-147	4.2	24
113	Searches for supersymmetric particles in $e^+ e^-$ collisions up to 208 GeV and interpretation of the results within the MSSM. <i>European Physical Journal C</i> , <b>2003</b> , 31, 421-479	4.2	153
112	The ( $\eta_c(2980)$ ) formation in two-photon collisions at LEP energies. <i>European Physical Journal C</i> , <b>2003</b> , 31, 481-489	4.2	3
111	A measurement of the branching fractions of the b-quark into charged and neutral b-hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 576, 29-42	4.2	13
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109	Inclusive $b \rightarrow c$ decays to wrong sign charmed mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 561, 26-40	4.2	3
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101	Search for the Standard Model Higgs boson at LEP in the year 2000. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 499, 23-37	4.2	61
100	Update of the search for supersymmetric particles in scenarios with gravitino LSP and sleptons NLSP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 503, 34-48	4.2	3
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98	Measurement of the mass and width of the W boson in $e^+ e^-$ collisions at $\sqrt{s} = 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2001</b> , 511, 159-177	4.2	14
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95	Measurement of the branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 475, 407-428	4.2	13
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88	Rapidity-rank structure of pp pairs in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 490, 61-70	4.2	3
87	Upper limit for the decay $B \rightarrow \pi\pi$ and measurement of the $b \rightarrow \pi$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 496, 43-58	4.2	13
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84	Two-dimensional analysis of the Bose-Einstein correlations in $e+e-$ annihilation at the Z0 peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 471, 460-470	4.2	30
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75	$W$ pair production cross-section and $W$ branching fractions in $e^+e^-$ interactions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 456, 310-321	4.2	8
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70	Measurements of the trilinear gauge boson couplings $WWV$ ( $V=\gamma, Z$ ) in $e^+e^-$ collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 459, 382-396	4.2	20
69	Measurement of the rate of events in hadronic $Z$ decays and the extraction of the gluon splitting into. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 462, 425-439	4.2	18
68	Search for chargino pair production in scenarios with gravitino LSP and stau NLSP at GeV at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 466, 61-70	4.2	2
67	Search for charged Higgs bosons at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 460, 484-497	4.2	9
66	Measurement of the mass of the $W$ boson using direct reconstruction at $\sqrt{s} = 183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 462, 410-424	4.2	16
65	Two-particle angular correlations in $e^+e^-$ interactions compared with QCD predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 440, 203-216	4.2	5
64	Charged particle multiplicity in $e^+e^-$ events at 161 and 172 GeV and from the decay of the $W$ boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 416, 233-246	4.2	11
63	Rapidity correlations in $\Lambda$ baryon and proton production in hadronic $Z^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 416, 247-256	4.2	10
62	mb at MZ. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 418, 430-442	4.2	44
61	Search for charged Higgs bosons in $e^+e^-$ collisions at $\sqrt{s} = 172$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 420, 140-156	4.2	9

60	Measurement of trilinear gauge couplings in $e^+e^-$ collisions at 161 GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 423, 194-206	4.2	28
59	Measurement of the inclusive charmless and double-charm B branching ratios. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 193-206	4.2	6
58	Measurement of the charged particle multiplicity of weakly decaying B hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 425, 399-412	4.2	5
57	First evidence for a charm radial excitation, D. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 231-242	4.2	33
56	A study of the hadronic resonance structure in the decay $B \rightarrow \pi \pi$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 411-427	4.2	26
55	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section at the LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 433, 429-440	4.2	10
54	Measurement of $ V_{cs} $ using W decays at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 439, 209-224	4.2	21
53	A search for $\tilde{\chi}^0\chi^0$ production in photon-photon fusion at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 441, 479-490	4.2	17
52	A search for heavy stable and long-lived squarks and sleptons in $e^+e^-$ collisions at energies from 130 to 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 444, 491-502	4.2	24
51	Measurement and interpretation of the W-pair cross-section in $e^+e^-$ interactions at 161 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 397, 158-170	4.2	40
50	Measurement of B <sup>0</sup> d - oscillations. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 76, 579-598		16
49	Search for excited leptons in $e^+e^-$ collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 393, 245-260	4.2	10
48	Search for stable heavy charged particles in $e^+e^-$ collisions at , 161 and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 396, 315-326	4.2	19
47	Search for the B <sub>c</sub> meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 398, 207-222	4.2	26
46	A measurement of $\beta_s$ from the scaling violation in $e^+e^-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 398, 194-206	4.2	16
45	Measurement of correlations between pions from different W's in $e^+e^- \rightarrow W^+W^-$ events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 401, 181-191	4.2	24
44	Measurement of the multiplicity of gluons splitting to bottom quark pairs in hadronic Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 405, 202-214	4.2	21
43	Measurement of the spin density matrix for the $\rho^0$ , K <sup>0</sup> (892) and F produced in Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 406, 271-286	4.2	28

42	Search for $B_s^0$ - oscillations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 414, 382-400	4.2	4
41	Measurement of the triple gluon vertex from double quark tagged 4-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 414, 401-418	4.2	11
40	Observation of charge-ordering in particle production in hadronic $Z^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 407, 174-184	4.2	13
39	Study of rare decays with the DELPHI detector at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 207-220		22
38	A precise measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 365, 448-460	4.2	16
37	Charged particle multiplicity in $e^+e^-$ interactions at $s = 130$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 372, 172-180	4.2	25
36	Search for exclusive decays of the $\Lambda_b$ baryon and measurement of its mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 374, 351-361	4.2	25
35	Updated precision measurement of the average lifetime of B hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 377, 195-204	4.2	8
34	First measurement of $f_2'(1525)$ production in $Z^0$ hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 379, 309-318	4.2	5
33	Kaon interference in the hadronic decays of the $Z^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 379, 330-340	4.2	20
32	Search for anomalous production of single photons at and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 380, 471-479	4.2	18
31	Study of radiative leptonic events with hard photons and search for excited charged leptons at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 380, 480-490	4.2	17
30	Search for the lightest chargino at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 382, 323-336	4.2	14
29	Search for neutralinos, scalar leptons and scalar quarks in $e^+e^-$ interactions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 387, 651-666	4.2	12
28	Performance of the DELPHI detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 378, 57-100	1.2	248
27	An upper limit for $Br(Z^0 \rightarrow f\bar{g}g)$ from symmetric 3-jet $Z^0$ hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 389, 405-415	4.2	1
26	First evidence of hard scattering processes in single tagged $\bar{p}p$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 342, 402-416	4.2	12
25	Observation of orbitally excited B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 345, 598-608	4.2	75

24	Production of charged particles, $K_S^0$ , $K_L^0$ , $p$ and $\pi$ in events and in the decay of $b$ hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 347, 447-466	4.2	36
23	Observation of short range three-particle correlations in $e^+e^-$ annihilations at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 355, 415-424	4.2	28
22	Search for exclusive charmless B meson decays with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 255-266	4.2	6
21	A measurement of the $\pi$ leptonic branching fractions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 715-724	4.2	9
20	Upper limits on the branching ratios $\pi^0 \rightarrow \gamma\gamma$ and $\eta \rightarrow \gamma\gamma$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 359, 411-421	4.2	7
19	Measurement of $\pi^+(1232)$ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 361, 207-220	4.2	13
18	Inclusive measurements of the production in hadronic Z0 decays. <i>Nuclear Physics B</i> , <b>1995</b> , 444, 3-26	2.8	38
17	$J/\psi$ production in the hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 341, 109-122	4.2	28
16	A study of the transverse polarization of hyperons produced in $\sqrt{s}=230$ GeV/c. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 325, 531-535	4.2	8
15	Charged kaon production in tau decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 334, 435-449	4.2	14
14	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 327, 386-396	4.2	24
13	Measurement of the mixing parameter in DELPHI. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 332, 488-500	4.2	9
12	Measurement of time dependent $B_d^0$ - $B_d^0$ mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 338, 409-420	4.2	12
11	Search for the standard model Higgs boson in Z0 decays. <i>Nuclear Physics B</i> , <b>1994</b> , 421, 3-37	2.8	26
10	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , <b>1994</b> , 418, 403-427	2.8	37
9	A measurement of the tau lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 302, 356-368	4.2	16
8	A measurement of the mean lifetimes of charged and neutral B-hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 312, 253-266	4.2	15
7	Measurement of $B^0$ production and lifetime in Z0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 379-390	4.2	24

6	Determination of $\alpha_S$ from the scaling violation in the fragmentation functions in $e^+e^-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 408-424	4.2	40
5	Limits on the production of scalar leptoquarks from $Z^0$ decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 316, 620-630	4.2	29
4	Production of $\bar{b}b$ and $\bar{c}c$ correlations in the hadronic decays of the $Z^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 318, 249-262	4.2	41
3	Measurement of the triple-gluon vertex from 4-jet events at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 357-368		31
2	Determination of $\alpha_S$ for b quarks at the $Z^0$ resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 221-236	4.2	19
1	Search for $Z^0$ decays to two leptons and a charged particle-antiparticle pair. <i>Nuclear Physics B</i> , <b>1993</b> , 403, 3-24	2.8	7