

Mariusz Witek

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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 Standard Model Higgs boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 565, 61-75	4.2	1044
706	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006 , 427, 257-454	27.7	730
705	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
704	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \Lambda^0 \bar{K}^0 p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
703	Test of lepton universality using $b \rightarrow \ell \bar{\nu}_\ell \mu \mu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
702	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
701	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
700	Observation of the rare $B(s)0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
699	Measurement of the ratio of branching fractions $B(B \rightarrow \mu^+ \mu^- \bar{D}^{*+}) / B(B \rightarrow \mu^+ \mu^- \bar{D}^{*0})$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
698	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
697	Test of lepton universality with $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
696	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , 2013 , 532, 119-244	27.7	291
695	The LHCb trigger and its performance in 2011. <i>Journal of Instrumentation</i> , 2013 , 8, P04022-P04022	1	281
694	First evidence for the decay $B(s)0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
693	Observation of the Doubly Charmed Baryon Λ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
692	Performance of the DELPHI detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 378, 57-100	1.2	248
691	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234

690	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
689	Angular analysis of the $B^0 \rightarrow K^{*0} \pi^+ \pi^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
688	Measurement of the $B_s(0) \rightarrow \pi^+ \pi^-$ branching fraction and search for $B(0) \rightarrow \pi^+ \pi^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
687	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
686	Observation of a Narrow Pentaquark State, $P_{c}(4312)^{+}$, and of the Two-Peak Structure of the $P_{c}(4450)^{+}$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
685	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
684	Observation of Five New Narrow χ_{c0} States Decaying to $\chi_{c}^{+} K^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
683	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> , 2003 , 31, 421-479	4.2	153
682	Evidence for CP violation in time-integrated $D^0 \rightarrow h(-) h(+)$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
681	Strong constraints on the rare decays $B(s)(0) \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
680	Differential branching fractions and isospin asymmetries of $B \rightarrow K^{(*)} \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
679	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
678	Search for Lepton-Universality Violation in $B^{+} \rightarrow K^{+} \pi^{+} \pi^{-}$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
677	Performance of the LHCb Outer Tracker. <i>Journal of Instrumentation</i> , 2014 , 9, P01002-P01002	1	127
676	Measurement of the Ratio of the $B^{+} \rightarrow D^{*-} \pi^{+} \pi^{+}$ and $B^{+} \rightarrow D^{*-} \pi^{+} \pi^{0}$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
675	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
674	Photon events with missing energy in $e + e^-$ collisions at $(\sqrt{s} = \sqrt{s})$ 130 to 209 GeV. <i>European Physical Journal C</i> , 2005 , 38, 395-411	4.2	117
673	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116

672	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \ell^+ \nu_\ell)/B(B_{c^+} \rightarrow \ell^+ \nu_{\ell'})$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
671	Measurement of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
670	Test of lepton flavor universality by the measurement of the $B_0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ branching fraction using three-prong B decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
669	Measurement of the $B_{s^0} \rightarrow \ell^+ \ell^-$ Branching Fraction and Effective Lifetime and Search for $B^{*0} \rightarrow \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
668	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
667	Observation of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
666	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
665	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \ell^+ \mu^+ \mu^- K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
664	Measurement of the CP-violating phase $\arg(\lambda)$ in the decay $B(s)^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
663	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
662	Measurement of α_s / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
661	Differential branching fraction and angular analysis of the decay $(B_{s^0} \rightarrow \ell^+ \ell^- \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
660	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	86
659	Model-Independent Evidence for J/ψ Contributions to $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
658	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013 , 40, 045001	2.9	85
657	Measurement of α_s production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
656	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	4.2	83
655	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83

654	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
653	Evidence for the decay $B \rightarrow \pi^0 \pi^0$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
652	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
651	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	78
650	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
649	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> , 2004 , 35, 159-170	4.2	76
648	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
647	Searches for neutral Higgs bosons in extended models. <i>European Physical Journal C</i> , 2004 , 38, 1-28	4.2	75
646	Observation of orbitally excited B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 598-608	4.2	75
645	Search for Majorana neutrinos in $B^- \rightarrow \pi^0 \pi^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
644	Dalitz plot analysis of $B_s0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
643	Measurement of CP violation in the phase space of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
642	Observation of CP violation in $B^0 \rightarrow \pi^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
641	Study of D J meson decays to $D^+ \pi^0 \pi^0$ and $D^{*+} \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
640	Search for charged Higgs bosons at LEP in general two Higgs doublet models. <i>European Physical Journal C</i> , 2004 , 34, 399-418	4.2	69
639	Observation of excited $(b)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
638	Measurement of CP violation and the B_s0 meson decay width difference with $B_s0 \rightarrow \pi^0 K^+ K^-$ and $B_s0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
637	First observation of $B_s0 \rightarrow \pi^0 \pi^0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66

636	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	65
635	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
634	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
633	Search for Structure in the $B_{s^0} \rightarrow \ell^{+} \ell^{-}$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
632	Differential branching fraction and angular analysis of the $B \rightarrow \ell K + \ell^{+} \ell^{-}$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
631	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
630	Measurement of CP violation in the phase space of $B \rightarrow \ell K + K - \ell$ and $B \rightarrow \ell \bar{K} + \ell \ell$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
629	Observation of overlapping spin-1 and spin-3 $D0K^{-}$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
628	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> , 2001 , 499, 23-37	4.2	61
627	Study of J/ψ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}} = 5$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
626	Inclusive W and Z production in the forward region at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
625	Search for $A^{0} \rightarrow \ell^{+} \ell^{-}$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
624	Measurement of the isospin asymmetry in $B \rightarrow \ell K^{*} \ell \ell$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
623	Analysis of the resonant components in $B \rightarrow \ell^{+} \ell^{-} \ell^{+} \ell^{-}$ <i>Physical Review D</i> , 2012 , 86,	4.9	59
622	Search for doubly charged Higgs bosons at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 552, 127-137	4.2	59
621	Production of J/ψ and (φ) mesons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
620	Search for the rare decays $B_{s0} \rightarrow \ell^{+} \ell^{-}$ and $B_0 \rightarrow \ell^{+} \ell^{-}$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
619	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57

618	A study of the energy evolution of event shape distributions and their means with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2003 , 29, 285-312	4.2	57
617	Amplitude analysis of $B^+\pi^0K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
616	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 241-248	4.2	55
615	Observation of the decay $B(c)^+ \rightarrow B(s)^0 \pi^+$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
614	Determination of the sign of the decay width difference in the $B(s)^0$ system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
613	Search for the $X(4140)$ state in $B^+\pi^0K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
612	Differential branching fraction and angular analysis of $B \rightarrow b \rightarrow \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	54
611	Measurement of resonant and CP components in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
610	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
609	Precision measurement of CP violation in $B(S)^0 \rightarrow \pi^0 K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
608	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
607	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow \pi^0 \pi^+$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
606	Measurement of the resonant and CP components in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
605	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
604	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	51
603	Observation of a New Ξ_b^0 Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
602	First observation of the decay $B(c)^+ \rightarrow \pi^0 \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
601	b-tagging in DELPHI at LEP. <i>European Physical Journal C</i> , 2004 , 32, 185-208	4.2	50

600	Precision measurement of the $B^0_s \rightarrow \mu^+ \mu^-$ oscillation frequency with the decay $B^0_s \rightarrow D^0 \mu^+ \mu^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
599	Analysis of the resonant components in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	49
598	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
597	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
596	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^0 \pi^0$ decays and the $B^0 \rightarrow \pi^0 \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
595	Measurement of forward J/ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	47
594	Measurements of CP violation in the three-body phase space of charmless B^0 decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
593	Searches for Majorana neutrinos in B^0 decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
592	Single intermediate vector boson production in e + e - collisions * at ($\sqrt{s} = \sqrt{s}$) 183-209 GeV. <i>European Physical Journal C</i> , 2006 , 45, 273-289	4.2	47
591	Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 485, 45-61	4.2	47
590	Energy dependence of event shapes and of B^0 s at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 456, 322-340	4.2	47
589	Measurement of CP-Averaged Observables in the $B^0 \rightarrow K^{*0} \pi^+ \pi^-$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 011802	7.4	46
588	Observation of $B_c^+ \rightarrow D_s^+ \pi^0$ and $B_c^+ \rightarrow D_s^{*+} \pi^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
587	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6.2	45
586	Measurement of B meson production cross-sections in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
585	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
584	Amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
583	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44

582	mb at MZ. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 430-442	4.4	44
581	Precision measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
580	Measurement of the cross-section for Z -fe+e- production in pp collisions at (sqrt{s}=7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
579	First evidence of direct CP violation in charmless two-body decays of Bs0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7.4	43
578	Observation of a resonance in B+ -fK+ → ππ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
577	Measurement of CP asymmetry in D 0 -fK K + and D 0 -fππ+ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
576	Measurement of the Bs0B̄s0 oscillation frequency Δm _s in Bs0-Δs(B) decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
575	Measurement of the exclusive π production cross-section in pp collisions at (sqrt{s}=7) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
574	Measurement of the ratio of prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
573	First observation of the decay Bs2*(5840)(0)-B*+ K- and studies of excited Bs(0) mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
572	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> , 2015 , 75, 311	4.2	41
571	Search for the doubly charmed baryon (Xi_{cc}^{+}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
570	Measurements of the B0-β/Δ decay amplitudes and the B0 polarisation in pp collisions at s=7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
569	Measurement of the cross-section ratio . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
568	Production of Δ and Δ correlations in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 318, 249-262	4.2	41
567	Search for the Decays B_{s}^{+0}-B^{+}π^{-} and B^{+0}-B^{+}π^{-}. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
566	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> , 1997 , 397, 158-170	4.2	40
565	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. <i>Astroparticle Physics</i> , 2007 , 28, 273-286	2.4	40

564	Determination of Λ 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> , 1993 , 311, 408-424	4.2	40
563	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
562	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
561	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \pi^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
560	Inclusive measurements of the production in hadronic Z^0 decays. <i>Nuclear Physics B</i> , 1995 , 444, 3-26	2.8	38
559	Improved measurements of cross sections and asymmetries at the Z^0 resonance. <i>Nuclear Physics B</i> , 1994 , 418, 403-427	2.8	37
558	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2017 , 118, 052002	7.4	36
557	First observation of the decay $(B_c^{+} \rightarrow \{J/\psi \rightarrow \psi K^{+}\})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
556	Study of inclusive J/ψ 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> , 2003 , 565, 76-86	4.2	36
555	The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of C_A/C_F . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 449, 383-400	4.2	36
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493	Addendum: Observation of double charm production involving open charm in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27

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406	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
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396	First Observation of Excited $B_{(b)}^{*+}$ States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
395	Observation of Several Sources of CP Violation in $B^{*+} \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
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391	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
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130	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^{(*)} \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
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128	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
127	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
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125	Measurement of CP observables in $B^0 \rightarrow \pi^0 \pi^0$ with $D \rightarrow K + K$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
124	Searches for $B_{(s)}^0 \rightarrow J/\psi \pi^0$ and $B^+ \rightarrow J/\psi \pi^+$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
123	Measurement of CP asymmetries in $D \rightarrow \pi \pi$ and $D_s \rightarrow \pi \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
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119	Search for the $\Lambda_b \rightarrow \pi \pi$ and $\Lambda_b \rightarrow \pi \pi$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
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109	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
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106	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow \pi^+ \pi^-$ decays with $D \rightarrow \pi^+ \pi^-$ and $K \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
105	Observation of the decay $B_s^0 \rightarrow \pi^+ \pi^- K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
104	Measurement of χ production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
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99	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
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88	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4-9	5
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68	Updated branching fraction measurements of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
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63	Measurement of the B_c meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	4
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60	Measurement of D^0 π^0 production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
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22	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
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10	Measurement of the CP asymmetry in $B^0 \rightarrow D^+ D^-$ and $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
9	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
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