

Lluís Garrido

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1860865/lluis-garrido-publications-by-year.pdf>

Version: 2024-04-24

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

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

675
papers

24,136
citations

67
h-index

126
g-index

700
ext. papers

27,482
ext. citations

5
avg, IF

6.12
L-index

#	Paper	IF	Citations
675	Angular analysis of the rare decay $(\{B\}_s^0) \rightarrow \mu^+\mu^- J/\psi$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
674	First measurement of the (C)P-violating phase in $(\{B\}_s^0 \rightarrow J/\psi) (e^+e^-)(\phi)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
673	Measurement of J/ψ production cross-sections in pp collisions at $(\sqrt{s}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
672	Observation of a $(\{\text{varLambda}\}_b^0) (\overline{\{\text{varLambda}\}}_b^0)$ production asymmetry in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
671	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\pm})$, text {jet}) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
670	Search for the rare decay $B^0 \rightarrow J/\psi^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
669	Study of $(\{\text{mathrm}\{B\}}_{\{\text{mathrm}\{s\}}^0) \rightarrow J/\psi + K^0$ decays. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
668	Measurement of the CKM angle ϕ_n in $B_{\mu} \rightarrow DK_{\mu}$ and $B_{\mu} \rightarrow D_{\mu}$ decays with $D \rightarrow (\{K\}_{\{\text{mathrm}\{S\}}^0) h + h$. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
667	Search for long-lived particles decaying to $(e^{\pm}) (\mu^{\pm}) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
666	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
665	Simultaneous determination of CKM angle ϕ and charm mixing parameters. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
664	Search for the doubly charmed baryon $\{\{\text{varXi}\}_{cc}^+\}$ in the $\{\{\text{varXi}\}_c^+\{\pi^-\}\{\pi^+\}$ final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
663	Updated search for $\{B\}_c^+$ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
662	Test of lepton universality with $(\{\text{Lambda}\}_b^0 \rightarrow \{pK^-\}\{\text{mathrm}\{\text{ell}\}}^+\{\text{mathrm}\{\text{ell}\}}^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
661	Measurement of the $(\{\text{Lambda}\}_b^0) \rightarrow J/\psi$ angular distribution and the $(\{\text{Lambda}\}_b^0)$ polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
660	Measurement of CP observables in $B_{\mu} \rightarrow DK_{\mu}$ and $B_{\mu} \rightarrow D_{\mu}$ with $D \rightarrow (\{K\}_{\{\text{mathrm}\{S\}}^0} K^{\pm})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
659	Precision measurement of the $(\{\text{varXi}\}_{cc}^{++})$ mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11

658	Measurement of the $(\eta_c(1S))$ production cross-section in $(p-p)$ collisions at $(\sqrt{s} = 13)$ (TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
657	Search for CP violation in $(\chi_{c1}^+ \rightarrow p \bar{K}^0 \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
656	Observation of the semileptonic decay $(B^+ \rightarrow \bar{p} \mu^+ \nu_\mu)$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
655	Measurement of CP violation in $B^0 \rightarrow D^* \bar{D}^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
654	Measurement of the shape of the $(B_s^0 \rightarrow D_s^{*-} \mu^+ \nu_\mu)$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
653	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using (B_{s2}^0) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
652	Observation of a new baryon state in the $(\Lambda_b^0 \rightarrow p \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
651	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
650	Search for the doubly heavy (χ_{bc}^0) baryon via decays to $D^0 p K^0$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
649	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
648	Search for the doubly charmed baryon (χ_{cc}^+) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
647	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
646	Study of the $\chi(3823)$ and $\chi(3872)$ states in $B^+ \rightarrow (J/\psi) K^+$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	15
645	Measurement of CP observables in the process $B^0 \rightarrow DK^*$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
644	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
643	Observation of the $(\Lambda_b^0 \rightarrow \chi_{c1}^0)$ (3872) $p \bar{K}^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
642	Physics potential of the International Axion Observatory (IAXO). <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 047-047	6.4	64
641	Observation of the doubly Cabibbo-suppressed decay $\bar{D}^+ c \rightarrow p \pi^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2

640	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
639	Study of the $B^0 \rightarrow \overline{K}^{*0} K^0$ decay with an amplitude analysis of $B^0 \rightarrow \overline{K}^{*0} K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
638	Measurement of the ratio of branching fractions of the decays $D^0 b \rightarrow \overline{K}^{*0} D^0$ and $D^0 b \rightarrow J/\psi$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	1
637	Dalitz plot analysis of the $D^+ \rightarrow K^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
636	Amplitude analysis of $B^0 \rightarrow K^0 \overline{K}^{*0}$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
635	Measurement of the branching fraction and (CP) asymmetry in $(\{B^+\} \rightarrow \{J/\psi\} \{\rho^+\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	1
634	Near-threshold (\overline{D}^0) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	16
633	Amplitude analysis of the $(B^0 \rightarrow K^0 \overline{K}^{*0})$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^0 \overline{K}^{*0})$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	3
632	Updated measurement of time-dependent (CP)-violating observables in $(B^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	7
631	Measurements of CP asymmetries in charmless four-body (Λ_b^0) and (Ξ_b^0) decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	6
630	Prompt \bar{c} production in pPb collisions at $(\sqrt{s_{NN}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	10
629	A search for $(\Xi_{cc}^{++}) \rightarrow D^+ p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
628	Measurement of CP violation in the $(B_s^0 \rightarrow \phi \phi)$ decay and search for the $B^0 \rightarrow \phi \phi$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	0
627	Multimodal Simulation of Large Area Silicon Photomultipliers for Time Resolution Optimization 2019 ,		1
626	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
625	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
624	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e \mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15
623	First measurement of the CP-violating phase $(\phi_s^{\overline{D}})$ in $B^0 \rightarrow (K^+ \overline{K}^0)$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6

622	Measurement of branching fractions of charmless four-body $\mathbb{D}^0 b$ and $\mathbb{D}^+ b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
621	Measurement of the time-integrated CP asymmetry in $\mathbb{D}^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
620	Study of γ production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
619	Search for beautiful tetraquarks in the $\gamma(1S)\pi\pi$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
618	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
617	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
616	Measurement of γ production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
615	Measurement of forward top pair production in the dilepton channel in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
614	Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^-)$ in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
613	Search for a dimuon resonance in the γ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
612	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
611	Angular moments of the decay $\mathbb{D}^0 b \rightarrow \pi\pi$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
610	Measurement of $Z \rightarrow \pi\pi$ production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
609	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 S \pi^0 K^0 S K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
608	Measurement of $D^0 \pi^0$ 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
607	Evidence for the decay $(B_S^0 \rightarrow \overline{K}^0 \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
606	Observation of the decay $\mathbb{D}^0 b \rightarrow \pi(2S)\pi$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
605	Measurement of the CP asymmetry in $B^0 \rightarrow D^0 \pi^0$ and $B^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1

604	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \rho^0 K^0$ and $B^0 \rightarrow \rho^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
603	First observation of $B^+ \rightarrow D^+ s K^0$ decays and a search for $B^+ \rightarrow D^+ s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
602	Measurement of CP violation in $B^0 \rightarrow D^0 \pi$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
601	Search for the CP-violating strong decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0(958) \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
600	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> , 2017 , 765, 307-316	4.2	8
599	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6.2	45
598	Amplitude analysis of $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
597	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow J/\psi K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
596	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
595	First Experimental Study of Photon Polarization in Radiative $B_{s^0}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
594	Measurement of forward $t\bar{t}$, $W+bb$ and $W+cc$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 110-120	4.2	4
593	Observation of the decay $B_s^0 \rightarrow \pi^0 \pi^0$ and evidence for $B^0 \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
592	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
591	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
590	Study of the $D^0 \rightarrow \rho^0 \pi^0$ amplitude in $B^0 \rightarrow D^0 \rho^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
589	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
588	Observation of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
587	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 177-187	4.2	11

586	Observation of the Decay $\Xi_b^{\prime-} \rightarrow p K^{\prime-} K^{\prime-}$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
585	Search for long-lived scalar particles in $B \rightarrow K + \text{invisible}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
584	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\text{N};\text{N}}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
583	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
582	Observation of charmless baryonic decays $B(s)0 \rightarrow pp \pi^+ \pi^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
581	Study of charmonium production in π^- -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
580	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
579	Observation of $B_{c^+} \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
578	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
577	Measurement of the B_{CP} production asymmetry and the CP asymmetry in $B_{\text{CP}} \rightarrow J/\psi K_{\text{CP}}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
576	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi \pi^+$ and $B^+ \rightarrow J/\psi K^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
575	Search for the $B_{\text{CP}} \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
574	Observation of the decay $\Lambda_b^0 \rightarrow p K^0 \pi^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
573	Measurement of B_{CP} and D_{CP} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
572	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
571	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
570	Observation of $B_{\text{CP}} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
569	Observation of Five New Narrow χ_{c^0} States Decaying to $\chi_{c^+} K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154

568	Measurement of CP asymmetries in $D^0 \rightarrow \pi^0 \pi^0$ and $D_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
567	Observation of $\psi(2S) \rightarrow p\bar{p}$ and search for $X(3872) \rightarrow p\bar{p}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
566	Observation of the $B \rightarrow J/\psi \pi$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
565	Measurement of the $B_{s^0} \rightarrow \pi^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
564	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
563	Observation of the Decays $\psi(b)^0 \rightarrow \psi(c1) p K^+$ and $\psi(b)^0 \rightarrow \psi(c2) p K^+$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
562	Observation of the $B^+ \rightarrow D^* K^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
561	Search for the Decays $B_{s^0} \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
560	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
559	Observation of the suppressed decay $B^0 \rightarrow p \bar{n} \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
558	Test of lepton universality with $B^0 \rightarrow K^* \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
557	$\psi(c1)$ and $\psi(c2)$ Resonance Parameters with the Decays $\psi(c1, c2) \rightarrow J/\psi \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
556	Observation of D^0 Meson Decays to $\pi^+ \pi^- \pi^+ \pi^-$ and $K^+ K^- \pi^+ \pi^-$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
555	Search for Baryon-Number Violating $\psi(b)^0$ Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
554	Measurement of the J/ψ pair production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
553	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4.2	4
552	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	16
551	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 345-356	4.2	7

550	Evidence for the two-body charmless baryonic decay ($\{B\}^{\{+\}} \to \overline{\text{poverline}\{\text{varLambda}\}}$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
549	First Observation of the Rare Purely Baryonic Decay $B^{\{0\}} \to \text{pp}[\overline{\text{K}}]$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7-4	4
548	Resonances and CP violation in $B^{\{0\}}_s$ and ($\{\overline{B}\}_s^{\{0\}} \to J/\psi \{K\}^{\{+\}} \{K\}^{\{-}\}$) decays in the mass region above the $\chi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	13
547	Study of ($\text{mathrm}\{b\}\overline{\text{mathrm}\{b\}}$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
546	Measurement of CP observables in $B^{\{\pm\}} \to DK^*\{\pm\}$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
545	Measurement of $B^{\{0\}}$, $B_s^{\{0\}}$, $B^{\{+\}}$ and $\overline{B}^{\{0\}}$ production asymmetries in 7 and 8 TeV proton-proton collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 139-158	4-2	10
544	Measurement of CP violation in $B^{\{0\}} \to J/\psi K^{\{0\}}$ and $B^{\{0\}} \to (\chi S) K^{\{0\}}$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	2
543	First Observation of a Baryonic $B_{\{s\}}^{\{0\}}$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7-4	10
542	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4-2	23
541	Updated branching fraction measurements of $B^{\{s\}} \{0\} \to K^{\{0\}} S^{\{0\}} h^{\{+\}} h^{\{+\}} \{\pm\}$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	4
540	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
539	Observation of the decay $B^{\{s\}} \{0\} \to \chi \{0\}$ and evidence for $B^{\{s\}} \{0\} \to \chi \{\pm\} \{\pm\}$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	6
538	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	3
537	Measurement of the $B^{\{\pm\}}$ production cross-section in pp collisions at $s = 7 \text{ TeV}$ and 13 TeV . <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	8
536	Measurement of the $Y(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	6
535	Measurement of the CP Asymmetry in $B_{\{s\}}^{\{0\}} \text{-} B^{\{\pm\}}_{\{s\}}^{\{0\}}$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7-4	18
534	Model-Independent Evidence for J/ψ Contributions to $\overline{B}^{\{0\}} \to J/\psi K^{\{-}\}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7-4	85
533	Evidence for Exotic Hadron Contributions to $\overline{B}^{\{0\}} \to J/\psi \overline{B}^{\{-}\}$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7-4	91

532	Studies of the resonance structure in $D^0 \rightarrow KS^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
531	Measurement of the mass and lifetime of the Ξ^0 baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
530	First Observation of D^0 - D^0 Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^0$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
529	First observation of the rare $B^+ \rightarrow D^+ K^0 \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	3
528	Measurement of the $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
527	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow DK^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
526	Observation of $B_{(s)}^0 \rightarrow D^0 K_{(S)}^0$ and Evidence for $B_{(s)}^0 \rightarrow D^0 K_{(S)}^{*0}$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7.4	5
525	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^+$ and $D^0 \rightarrow \pi^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25
524	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
523	Search for Structure in the $B_{(s)}^0 \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
522	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$ in the $K^*_{(1430)} \pi^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
521	Study of $D^{(*)} + sJ$ mesons decaying to $D^* + K^0 S$ and $D^0 K^+ \pi^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
520	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	34
519	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}} = 5)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
518	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
517	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
516	First observation of the decay $B^0 \rightarrow K^0 S^0 K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
515	Observation of the $B^0 \rightarrow J/\psi \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7

514	First observation of the decay $D^0 \rightarrow K^+ K^-$ in the D^0 region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 558-567	4.2	10
513	Angular analysis of the $B^0 \rightarrow K^* K^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
512	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
511	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
510	Observations of $D^0 b \rightarrow K^+ K^-$ and $D^0 b \rightarrow K^+ K^-$ decays and searches for other $D^0 b$ and $D^0 b$ decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
509	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
508	Observation of $D^0 b \rightarrow (2S) p K^-$ and $D^0 b \rightarrow J/\psi p K^-$ decays and a measurement of the $D^0 b$ baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
507	Measurement of the properties of the $B^* 0$ baryon. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	15
506	Production of associated Y and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
505	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^*$ with $D \rightarrow K S^0 K^-$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	6
504	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
503	Measurement of the ratio of branching fractions ($\frac{\text{Br}(B^0 \rightarrow K^+ J/\psi K^-)}{\text{Br}(B^0 \rightarrow K^+ J/\psi K^-)}$) <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
502	Measurement of forward $W \rightarrow e \nu$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
501	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	23
500	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^-$ decays and the $B^0 \rightarrow K^*(892)^0 K^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
499	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
498	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
497	Amplitude analysis of $B \rightarrow D^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45

496	Study of B_c^+ decays to the $K+K^*$ final state and evidence for the decay $B_c^+ \rightarrow \bar{D}^0 \pi^+$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
495	Measurement of CP Violation in $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
494	Measurement of the $B_s^0 \rightarrow J/\psi$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 484-492	4.2	4
493	Search for the lepton-flavour violating decay $D^0 \rightarrow e \mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 167-175	4.2	14
492	Model-independent measurement of the CKM angle β using $B^0 \rightarrow DK^*0$ decays with $D \rightarrow K^0 S^+ \pi^-$ and $K^0 S^+ K^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
491	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow (\psi S)^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 253-262	4.2	13
490	Measurements of long-range near-side angular correlations in $\sqrt{s_{NN}}=5\text{TeV}$ proton-lead collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 762, 473-483	4.2	32
489	Search for B_c^+ decays to the $p\pi^+$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
488	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
487	Measurement of CP observables in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 117-131	4.2	16
486	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
485	Determination of β and β' from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 741, 1-11	4.2	9
484	Study of the rare B_s^0 and B^0 decays into the $\pi^+ \pi^- \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13
483	Measurement of the semileptonic CP asymmetry in $B^0 \rightarrow B^0$ mixing. <i>Physical Review Letters</i> , 2015 , 114, 041601	7.4	28
482	Precision measurement of CP violation in $B(S)^0 \rightarrow J/\psi K^+ K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
481	Measurement of B_c^+ Production in Proton-Proton Collisions at $\sqrt{s}=8\text{ TeV}$. <i>Physical Review Letters</i> , 2015 , 114, 132001	7.4	35
480	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
479	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26

478	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> , 2015 , 740, 158-167	4.2	16
477	Study of B^0 mixing from measurement of $B(s) \rightarrow J/\psi$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
476	Measurement of the Z+b-jet cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
475	Search for the lepton flavour violating decay $B \rightarrow \mu^+ \tau^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
474	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^*(5747)^{0,+}$ states and observation of $B_{c,0}$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
473	Measurement of indirect CP asymmetries in $D^0 \rightarrow K_S^+ K_S^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	14
472	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
471	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
470	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
469	Study of CP violation in $B^0 \rightarrow D^0 h$ ($h=K, \pi$) with the modes $D^0 \rightarrow K^+ \pi^-$, $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$. <i>Physical Review D</i> , 2015 , 91,	4.9	13
468	Study of $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0 \pi^0$ decays and determination of the CKM angle ϕ_1 . <i>Physical Review D</i> , 2015 , 92,	4.9	4
467	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , 2015 , 115, 112001	4.1	16
466	Evidence for the Strangeness-Changing Weak Decay $\bar{b} \rightarrow \bar{c} \pi^0$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
465	First observation and amplitude analysis of the $B^0 \rightarrow D^0 K^0$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30
464	Quantum numbers of the X(3872) state and orbital angular momentum in its DJ/ψ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
463	Amplitude analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
462	Dalitz plot analysis of $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
461	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015 , 92,	4.9	17

460	Measurement of the branching fraction ratio $B(B_{c^+} \rightarrow \psi(2S) D^0) / B(B_{c^+} \rightarrow J/\psi D^0)$. <i>Physical Review D</i> , 2015 , 92,	4.9	11
459	Search for the rare decays $B^0 \rightarrow J/\psi \pi^0$ and $B_s^0 \rightarrow J/\psi \pi^0$. <i>Physical Review D</i> , 2015 , 92,	4.9	7
458	Model-independent confirmation of the $Z(4430)$ state. <i>Physical Review D</i> , 2015 , 92,	4.9	25
457	Measurement of CP Violation in $B^0 \rightarrow J/\psi S^0$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 031601	7.4	22
456	Observation of the $B(s)(0) \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7.4	7
455	Observation of J/ψ Resonances Consistent with Pentaquark States in $\bar{B}^0 \rightarrow J/\psi K^+ p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
454	Measurement of the ratio of branching fractions $B(B^0 \rightarrow D^{*+} \pi^-) / B(B^0 \rightarrow D^{*+} \pi^0)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
453	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
452	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	7.4	37
451	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , 2015 , 10, P10005-P10005	7.4	305
450	Measurement of CP asymmetries and polarisation fractions in $(\bar{B}_s^0 \rightarrow \bar{K}^0 K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
449	Measurement of the forward Z boson production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
448	Search for the $\bar{D}^0_b \rightarrow \pi^0$ and $\bar{D}^0_b \rightarrow \eta$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
447	Measurement of the exclusive π^0 production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
446	Measurement of the $B^0 s \rightarrow \pi^0 \pi^0$ branching fraction and search for the decay $B^0 \rightarrow \pi^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
445	Forward production of π^0 mesons in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
444	Measurement of the forward-backward asymmetry in $Z/\psi \rightarrow \pi^+ \pi^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
443	First observation and measurement of the branching fraction for the decay $B^0 s \rightarrow D^{*+} \pi^- K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	4

442	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	27
441	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0_S K^0_S$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
440	Measurement of CP violation parameters and polarisation fractions in ($B^0 \rightarrow \psi(2S) K^0_S$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
439	Measurement of forward $Z \rightarrow e^+e^-$ production at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
438	Differential branching fraction and angular analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
437	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow J/\psi K^0_S$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	9
436	Search for the decay ($B^0 \rightarrow \psi(2S) K^0_S$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	10
435	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
434	Observation of the decay $B^0 \rightarrow \psi(2S) K^0_S$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 484-494	4-2	12
433	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \psi(2S) K^0_S$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	138
432	Measurement of the inelastic pp cross-section at a centre-of-mass energy of (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	13
431	Angular analysis of the $B^0 \rightarrow K^0_S e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	20
430	Determination of the branching fractions of $B^0 \rightarrow D^0 \psi(2S) K^0_S$ and $B^0 \rightarrow D^0 \psi(2S) K^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
429	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4-2	8
428	Observation of the $B^0 \rightarrow \psi(2S) K^0_S$ decay from an amplitude analysis of $B^0 \rightarrow (\psi(2S) K^0_S)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 468-478	4-2	9
427	Measurement of the lifetime of the B_c^+ meson using the $B_c^+ \rightarrow J/\psi$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 29-37	4-2	25
426	Observation of two new $\Lambda_b^{(*)}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7-4	35
425	Measurement of the CP -violating phase $\arg(\lambda)$ in $B^0 \rightarrow J/\psi K^0_S$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 38-49	4-2	24

424	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
423	Measurement of the B^0 and B^+ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 154-162	4-2	10
422	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^- B^0 \rightarrow K^+ K^-$ and $B_s^0 \rightarrow \pi^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 446-454	4-2	9
421	Measurement of the CP-violating phase ϕ_s in $B_s^0 \rightarrow J/\psi K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4-2	33
420	Evidence for the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2-8	79
419	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
418	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{charm}}^0 \pi^0)$ and $(K_{\text{charm}}^0 K^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	18
417	Observation of associated production of a Z boson with a D meson in the forward region. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5-4	7
416	Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5-4	22
415	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^*(892)^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	8
414	Angular analysis of charged and neutral $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	18
413	Evidence for the decay $(B_{\text{charm}}^+ \rightarrow (J/\psi \text{ left/ right}) \{ \psi(3686) \}^2 \psi^0)$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	16
412	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	142
411	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	42
410	Study of $(\psi(3686))$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	27
409	Observation of the $\Lambda_b^0 \rightarrow J/\psi \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	29
408	Observation of the $B^0 \rightarrow J/\psi K^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	5
407	Study of the kinematic dependences of Λ_b^0 production in pp collisions and a measurement of the $\Lambda_b^0 \rightarrow \psi(3686) \pi^0$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	30

406	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
405	Measurement of Υ production in $p\bar{p}$ collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
404	Measurement of the ρ meson lifetime using $\rho \rightarrow \pi\pi$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4.2	32
403	Measurement of ρ polarisation in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
402	Measurement of charged particle multiplicities and densities in $p\bar{p}$ collisions at $\sqrt{s} = 2.76$ TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
401	Search for the decay $B_s \rightarrow \mu^+\mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
400	Search for CP violation in the decay $B_s \rightarrow \mu^+\mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
399	Measurement of the charge asymmetry in $B_s \rightarrow \mu^+\mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
398	Observation of the resonant character of the Z(4430)(-) state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
397	Observation of photon polarization in the $b \rightarrow s\gamma$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
396	Precision measurement of the ratio of the B_{CP} . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
395	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
394	Measurement of the CP-violating phase ϕ_1 in $B_s(0) \rightarrow D_s(+)\bar{D}_s(-)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7.4	17
393	Measurement of CP violation parameters in $B_0 \rightarrow DK^*0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
392	Measurements of CP violation in the three-body phase space of charmless B_{CP} decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
391	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83
390	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> , 2014 , 2014,	5.4	15
389	Observation of $B_{\text{CP}} \rightarrow K^* \pi$ and evidence for $B_{\text{CP}} \rightarrow K^* \pi$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6

388	Measurement of CP violation and constraints on the CKM angle $\sin\beta$ in $B^0 \rightarrow DK^0$ with $D \rightarrow KS^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
387	Measurement of the B^0B^0 and $B_s^0B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
386	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
385	Evidence for CP violation in $B^+ \rightarrow \rho^+ K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
384	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
383	Measurement of resonant and CP components in $B_s^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
382	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
381	Measurement of the B_s^0 meson lifetime in $D_s^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
380	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> , 2014 , 112, 011801	7.4	61
379	Measurement of the resonant and CP components in $B^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
378	Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass $2.86 \text{ GeV}/c^2$. <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
377	Measurement of the $B_s(0) \rightarrow D_s^- D_s^+$ and $B_s(0) \rightarrow D^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
376	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
375	Measurements of indirect CP asymmetries in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
374	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
373	Test of lepton universality using $b^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
372	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
371	Measurement of CP violation in $B_s^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13

370	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
369	Observation of $B(s)(0) \rightarrow J/\psi(1285)$ decays and measurement of the $\psi(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
368	Measurement of the ratio of B_c^+ branching fractions to J/ψ and J/ψ final states. <i>Physical Review D</i> , 2014 , 90,	4.9	23
367	Studies of beauty baryon decays to $D^0 p$ and $\bar{D}^0 h$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
366	Observation of charmonium pairs produced exclusively in pp collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 115002	2.9	10
365	Study of χ_{c0} meson production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	33
364	Search for CP violation using T-odd correlations in $D^0 \rightarrow K + K$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
363	Search for CP violation in $D^0 \rightarrow K^0 S^0$ and $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
362	First observations of the rare decays $B^+ \rightarrow K^+ \eta$ and $B^+ \rightarrow K^+ \eta'$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
361	Measurement of the $\chi(3P)$ mass and of the relative rate of $\chi(1P)$ and $\chi(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
360	Measurement of the CKM angle α using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 S^0$ final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
359	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
358	Measurement of the forward W boson cross-section in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
357	Measurement of the flavour-specific CP-violating asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 607-615	4.2	31
356	A study of CP violation in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ decays with $D \rightarrow KS^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
355	Study of forward Z + jet production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	20
354	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \eta' \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
353	Search for CP violation in $D^+ \rightarrow \eta'$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14

352	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	48
351	Production of J/ψ and (χ_c) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	58
350	Measurement of the $B^0 \rightarrow K^* e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	22
349	Limits on neutral Higgs boson production in the forward region in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	4
348	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
347	Measurement of CP observables in $B^0 \rightarrow DK^*$ with $D \rightarrow K + K^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	6
346	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	43
345	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \pi^+ \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	63
344	First evidence for the annihilation decay mode $\{B^+\} \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	13
343	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=2.76; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	28
342	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4-2	17
341	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4-2	19
340	Search for $D(s) \rightarrow \pi^+ \pi^0 \pi^0$ and $D(s) \rightarrow \pi^+ \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4-2	30
339	Model-independent search for CP violation in $B^0 \rightarrow \pi^+ \pi^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 623-633	4-2	19
338	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow J/\psi K_S^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4-2	11
337	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K_S^0 \pi^+$ and $B^+ \rightarrow K_S^0 K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4-2	9
336	First measurement of time-dependent CP violation in $(B_s^0 \rightarrow \{K^+\} \{K^-\})$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	25
335	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}}^0 \{h^+\} \{h^{\prime -}\}$ decays with first observation of $B_s^0 \rightarrow K_{\text{charm}}^0 \{K^{\pm}\} \{\pi^{\mp}\}$ and $B_s^0 \rightarrow K_{\text{charm}}^0 \{\pi^+\} \{\pi^-\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5-4	14

334	Measurement of the relative rate of prompt Λ_0 , Λ_1 and Λ_2 production at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	31
333	First evidence for the two-body charmless baryonic decay $\Lambda^0 \rightarrow \overline{p} \pi^0$. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	7
332	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, 2013, 2013, 1</i>	5-4	69
331	First observation of the decay $(B_c^+ \rightarrow \{J \text{ left/ } \{\{\psi \{K^+\}\}\} \text{ right.}\})$. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	36
330	Searches for $(B_{(s)}^0 \rightarrow \{J \text{ left/ } \{\{\psi \{p\}\} \text{ right.}\} \overline{p})$ and $B^+ \rightarrow J/\psi (\overline{p}) \pi^+$ decays. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	6
329	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	99
328	Measurement of B meson production cross-sections in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	45
327	Implications of LHCb measurements and future prospects. <i>European Physical Journal C, 2013, 73, 1</i>	4-2	116
326	Observation of $B^0_{(s)} \rightarrow \overline{B}^0_{(s)}$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C, 2013, 73,</i>	4-2	14
325	Search for the doubly charmed baryon (Ξ_{cc}^+). <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	41
324	Measurement of Λ polarization in collisions at [Formula: see text]. <i>European Physical Journal C, 2013, 73, 2631</i>	4-2	87
323	Observation of the decay $(B_c^+ \rightarrow J/\psi + K^+ \pi^0)$. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	20
322	First observation of the decay $(B_s^0 \rightarrow \phi \overline{K}^{*0})$. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	7
321	Evaluation of the FlexToT ASIC on the readout of SiPM matrices and scintillators for PET 2013,		1
320	First evidence for the decay $B(s)0 \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters, 2013, 110, 021801</i>	7-4	263
319	First observation of CP violation in the decays of B(s)0 mesons. <i>Physical Review Letters, 2013, 110, 221601</i>	7-4	78
318	Search for the rare decay $(K_{\text{S}}^0 \rightarrow \mu^+ \mu^-)$. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	10
317	A study of the Z production cross-section in pp collisions at ($\sqrt{s}=7, \text{mathrm{TeV}}$) using tau final states. <i>Journal of High Energy Physics, 2013, 2013, 1</i>	5-4	13

316	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* D^0)/B(B_s^0 \rightarrow ?)$ and the direct CP asymmetry in $B^0 \rightarrow K^* D^0$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
315	Measurement of the effective β . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
314	Prompt charm production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
313	Observation of the suppressed ADS modes $B^0 \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 44-53	4.2	14
312	Measurement of the CKM angle Γ from a combination of $B^{\pm} \rightarrow D h^{\pm}$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
311	Measurement of the $B^0 \bar{B}^0$ oscillation frequency Δm_d with the decays $B^0 \rightarrow D^{\pm} \pi^{\mp}$ and $B^0 \rightarrow J/\psi K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
310	Search for direct CP violation in $B^0 \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
309	Measurements of the $B^0 \rightarrow J/\psi$ decay amplitudes and the B^0 polarisation in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
308	Feasibility of an online adaptive replanning method for cranial frameless intensity-modulated radiosurgery. <i>Medical Dosimetry</i> , 2013 , 38, 291-7	1.3	5
307	Observation of the decay $B_s^0 \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
306	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013 , 43, 3-18	2.4	389
305	Search for the rare decay $D^0 \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
304	Measurement of the differential branching fraction of the decay $B^0 \rightarrow D^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
303	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , 2013 , 532, 119-244	27.7	291
302	Evidence for the decay $B^0 \rightarrow J/\psi D^0$ and measurement of the relative branching fractions of B_s^0 meson decays to $J/\psi D^0$ and $J/\psi D^{\pm}$. <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
301	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 36-45	4.2	27
300	Observation of $B^0 \rightarrow D^0 \pi^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
299	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45

298	Observations of . <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
297	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
296	2013 ,		15
295	Precision measurement of the B_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D_s^+ D_s^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
294	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
293	Search for the lepton-flavor-violating decays $B(s) \rightarrow e(\mu)\tau$ and $B_0 \rightarrow e(\mu)\tau$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
292	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
291	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi + K^+ K^-$ and $B_s^0 \rightarrow J/\psi + \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
290	Measurement of D^0 - D^0 mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
289	First observations of $B_{\tau}^0 \rightarrow D^+ D_s^-$ and $D^0 D_s^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
288	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
287	Measurement of the CP asymmetry in $B^+ \rightarrow K^+ \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
286	First measurement of the CP-violating phase in $B_s(0) \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
285	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
284	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^-$ <i>Physical Review D</i> , 2013 , 87,	4.9	16
283	Analysis of the resonant components in $B^0 \rightarrow J/\psi \pi^+ \pi^-$ <i>Physical Review D</i> , 2013 , 87,	4.9	49
282	Observation of the decay $B(c)(+) \rightarrow B(s)(0)$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
281	Search for the decay $B_s^0 \rightarrow D^* \pi$. <i>Physical Review D</i> , 2013 , 87,	4.9	6

280	Measurement of the polarization amplitudes in $B^0 \rightarrow J/\psi^*(892)0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
279	Measurement of CP violation in the phase space of $B^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ and $B^{\pm} \rightarrow K^{\pm} K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
278	Observation of the decay $B_{c^{++}} \rightarrow \psi(2S) \pi^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
277	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0}(\rho^+ \rho^-)$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
276	Observation of $B_{c^{++}} \rightarrow J/\psi D_s^+$ and $B_{c^{++}} \rightarrow J/\psi D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
275	Study of $B^0 \rightarrow D^{*+} \pi^{\mp}$ and $B^0 \rightarrow D^{*+} K^{\pm} \pi^{\mp}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
274	Measurement of the CP asymmetry in $B(0) \rightarrow K^{*0}(\rho^+ \rho^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
273	Studies of the decays $B^{+-} \rightarrow \rho^{\pm} \pi^{\mp}$ and observation of $B^{+-} \rightarrow \psi(1520) \rho^{\pm}$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
272	Observation of a resonance in $B^+ \rightarrow K^+ \pi^{\pm} \pi^{\mp}$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
271	Amplitude analysis and branching fraction measurement of $B_s^0 \rightarrow J/\psi K^{\pm} \pi^{\mp}$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
270	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
269	First observation of $B^0 \rightarrow J/\psi K^{\pm} \pi^{\mp}$ and search for $B^0 \rightarrow J/\psi \pi^{\pm} \pi^{\mp}$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
268	Measurement of the $B_s(0) \rightarrow \pi^{\pm} \pi^{\mp}$ branching fraction and search for $B(0) \rightarrow \pi^{\pm} \pi^{\mp}$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
267	Search for rare $B(0)(s) \rightarrow \rho^{\pm} \rho^{\mp} \rho^{\pm} \rho^{\mp}$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
266	Front End ASIC design for SiPM readout. <i>Journal of Instrumentation</i> , 2013 , 8, C01048-C01048	1	9
265	Observation of $B_s^0 \rightarrow K^+ K^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
264	Measurement of the effective $B_s^0 \rightarrow K^+ K^- \pi^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
263	Measurement of the CP violating phase ϕ_1 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34

262	Search for the rare decays . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
261	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
260	First observation of the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
259	Measurement of the $B_s^0 \rightarrow D_s^{\pm} \mu^{\pm} \nu$ oscillation frequency Γ_{th} in $B_s^0 \rightarrow D_s^{\pm} \mu^{\pm} \nu$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
258	Observation of CP violation in $B_{\text{d}}^0 \rightarrow DK_{\text{d}}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
257	Measurement of charged particle multiplicities in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) in the forward region. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	24
256	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
255	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
254	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
253	Wideband (500 MHz) 16 bit dynamic range current mode PreAmplifier for the CTA cameras (PACTA). <i>Journal of Instrumentation</i> , 2012 , 7, C01100-C01100	1	10
252	Time alignment of the front end electronics of the LHCb calorimeters. <i>Journal of Instrumentation</i> , 2012 , 7, P08020-P08020	1	4
251	Measurement of the B_{d}^0 production cross-section in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	19
250	Measurements of the branching fractions of the decays $B_{\text{d}}^0 \rightarrow D_{\text{d}}^{\pm} \mu^{\mp} K^{\pm}$ and $B_{\text{d}}^0 \rightarrow D_{\text{d}}^{\pm} \mu^{\mp} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
249	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
248	Measurement of the isospin asymmetry in $B \rightarrow K^{*} \mu \nu$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
247	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
246	Study of $D_{\text{d}}^{\pm} \mu^{\mp}$ decays to $\{D^{\pm} K_{\text{d}}^{\pm}\}^0$ and $D^0 K^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	24
245	Measurement of the fraction of $\Lambda(1520)$ originating from $\Lambda_b(5620)$ decays in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17

244	First observation of the decay $B^+ \rightarrow \bar{c} \bar{c} \bar{c}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
243	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
242	Measurements of the branching fractions and CP asymmetries of $B_{\text{c}}^{\pm} \rightarrow J/\psi$ and $B_{\text{c}}^{\pm} \rightarrow (\psi S)_{\text{c}}$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	19
241	Low Noise Front End ASIC With Current Mode Active Cooled Termination for the Upgrade of the LHCb Calorimeter. <i>IEEE Transactions on Nuclear Science</i> , 2012 , 59, 2471-2478	1.7	3
240	First evidence of direct CP violation in charmless two-body decays of B_s^0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7.4	43
239	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^*0)/B(B_s^0 \rightarrow ?)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
238	Searches for Majorana neutrinos in B_{c}^{\pm} decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
237	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
236	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
235	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
234	Measurement of the polarization amplitudes and triple product asymmetries in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 369-377	4.2	13
233	Measurement of the CP-violating phase . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 378-386	4.2	31
232	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
231	Measurement of (2) meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
230	Measurement of relative branching fractions of decays to (2) and $/$ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
229	Measurement of prompt hadron production ratios in pp collisions at $(\sqrt{s} = 0.9 \text{ TeV})$ and 7 TeV . <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
228	Low noise front end ICECAL ASIC for the upgrade of the LHCb calorimeter. <i>Journal of Instrumentation</i> , 2012 , 7, C01080-C01080	1	4
227	A test beam setup for the characterization of the Geiger-mode avalanche photodiode technology for particle tracking. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012 , 694, 199-204	1.2	2

226	Measurement of the effective . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 393-400	4.2	10
225	A model-independent Dalitz plot analysis of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 43-55	4.2	20
224	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
223	Measurement of mixing and CP violation parameters in two-body charm decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	22
222	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
221	First observation of the decay $B(c)^+ \rightarrow J/\psi \pi^+$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
220	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* K^0$. <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
219	Measurement of the $B(s)^0$ effective lifetime in the $J/\psi(980)$ final state. <i>Physical Review Letters</i> , 2012 , 109, 152002	7.4	14
218	First observation of the decays $B(0) \rightarrow D(+)K(-)\pi^+\pi^-$ and $B(-) \rightarrow D(0)K(-)\pi^+\pi^-$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
217	Observation of excited $(b)^0$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
216	Analysis of the resonant components in $B_s^0 \rightarrow J/\psi \pi^0$. <i>Physical Review D</i> , 2012 , 86,	4.9	59
215	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
214	Measurement of the $B_s^0 \rightarrow J/\psi K^* K^0$ branching fraction and angular amplitudes. <i>Physical Review D</i> , 2012 , 86,	4.9	17
213	Strong constraints on the rare decays $B(s)^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
212	Search for lepton number violating decays $B^+ \rightarrow \mu^+ \mu^+ \mu^-$ and $B^+ \rightarrow K^- \mu^+ \mu^+$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
211	Measurement of the CP-violating phase $\phi(s)$ in the decay $B(s)^0 \rightarrow J/\psi$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
210	Search for the X(4140) state in $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
209	First observation of the decays $B(s)^0 \rightarrow D_s + K^0$ and $B_s^0 \rightarrow D_{s1}(2536) + \pi$. <i>Physical Review D</i> , 2012 , 86,	4.9	9

208	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow J/\psi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
207	Observation of $B^0 \rightarrow D^*(0)K^+K^-$ and evidence for $B^0 \rightarrow D^*(0)K^+K^-$. <i>Physical Review Letters</i> , 2012 , 109, 131801	7.4	22
206	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow h^+h^-$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	2
205	Observation of $B^0 \rightarrow J/\psi(2)^*(1525)K^+K^-$ final states. <i>Physical Review Letters</i> , 2012 , 108, 151801	7.4	16
204	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
203	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012 , 2012, 1		2
202	Readout electronics for low dark count Geiger mode avalanche photodiodes fabricated in conventional HV-CMOS technologies for future linear colliders. <i>Journal of Instrumentation</i> , 2011 , 6, C01015-C01015		
201	Readout electronics for low dark count pixel detectors based on Geiger mode avalanche photodiodes fabricated in conventional CMOS technologies for future linear colliders. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 650, 120-124	1.2	2
200	Characterization and simulation of Avalanche PhotoDiodes for next-generation colliders. <i>Sensors and Actuators A: Physical</i> , 2011 , 172, 181-188	3.9	7
199	Measurement of the inclusive χ cross-section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 267-273	4.2	18
198	First observation of the decay $B^0 \rightarrow D^* K^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 32-39	4.2	14
197	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
196	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011 , 32, 193-316	1.3	496
195	Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	12
194	Search for CP violation in $D^+ \rightarrow K^+ K^+ \pi^-$ decays. <i>Physical Review D</i> , 2011 , 84,	4.9	17
193	First observation of $B^0 \rightarrow D_s^* K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 14-20	4.2	25
192	First observation of $B_s^0 \rightarrow J/\psi(980) K^+ K^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
191	Search for the rare decays $B_s^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58

190	Noise Analysis of Time Variant Shapers in Frequency Domain. <i>IEEE Transactions on Nuclear Science</i> , 2011 , 58, 177-186	1.7	4
189	Measurements of the branching fractions for $B(s) \rightarrow D(s)\bar{B}$ and $B0 \rightarrow \bar{B} + \pi$ <i>Physical Review D</i> , 2011 , 84,	4.9	20
188	Determination of $f(s)/f(d)$ for 7 TeV pp collisions and measurement of the $B0 \rightarrow D-K+$ branching fraction. <i>Physical Review Letters</i> , 2011 , 107, 211801	7.4	23
187	High voltage vs. high integration: a comparison between CMOS technologies for SPAD cameras 2010 ,		4
186	Search for neutral Higgs bosons decaying into four taus at LEP2. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	43
185	Comparison between technologies for APDs fabrication in particle detectors. <i>Procedia Engineering</i> , 2010 , 5, 677-680		1
184	SEM/FIB for characterization of nanosized imagers. <i>Procedia Engineering</i> , 2010 , 5, 697-700		
183	Prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 69-80	4.2	20
182	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
181	Study of Geiger avalanche photo-diodes (GAPDs) applications to pixel tracking detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 617, 541-542	1.2	4
180	Production of the charmonium states χ_1 and χ_2 in proton nucleus interactions at $\sqrt{s}=41.6$ GeV. <i>Physical Review D</i> , 2009 , 79,	4.9	19
179	Avalanche photodiodes for high energy particle tracking in 130 nm CMOS technology 2009 ,		1
178	Angular distributions of leptons from J/ψ produced in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2009 , 60, 517-524	4.2	26
177	Kinematic distributions and nuclear effects of J/ψ production in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2009 , 60, 525-542	4.2	57
176	$\psi(0)$ production in p+A collisions at $(\sqrt{s})=41.6$ GeV. <i>European Physical Journal C</i> , 2009 , 61, 207-221	4.2	2
175	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
174	Status of the LHCb Experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2007 , 170, 273-277		1
173	Mass characterization of MaPMT tubes for the LHCb scintillator pad detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 572, 427-428	1.2	1

172	Bottom production cross section from double muonic decays of b-flavoured hadrons in 920 GeV proton-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 650, 103-110	4.2	3
171	A Measurement of the \bar{D} to J/ψ production ratio in 920 GeV proton-nucleus interactions. <i>European Physical Journal C</i> , 2007 , 49, 545-558	4.2	36
170	Fermion pair production in e+e- collisions at 189009 GeV and constraints on physics beyond the standard model. <i>European Physical Journal C</i> , 2007 , 49, 411-437	4.2	44
169	Search for Higgs bosons decaying to WW in e+e- collisions at LEP. <i>European Physical Journal C</i> , 2007 , 49, 439	4.2	4
168	K^*0 and ψ meson production in proton-nucleus interactions at ($\sqrt{s}=41.6\text{GeV}$). <i>European Physical Journal C</i> , 2007 , 50, 315-328	4.2	23
167	Measurement of $D0$, D^+ , D_s^+ and D^{*+} production in fixed target 920 GeV proton-nucleus collisions. <i>European Physical Journal C</i> , 2007 , 52, 531-542	4.2	25
166	Luminosity determination at HERA-B. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 582, 401-412	1.2	3
165	SPD very front end electronics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 567, 310-314	1.2	1
164	Improved measurement of the $b\bar{b}$ production cross section in 920 GeV fixed-target proton-nucleus collisions. <i>Physical Review D</i> , 2006 , 73,	4.9	13
163	Measurement of the ψ' . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 407-414	4.2	18
162	Measurement of the ψ' production cross section in 920 GeV fixed-target proton-nucleus collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 13-21	4.2	7
161	Polarization of ψ' and ψ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 415-421	4.2	16
160	Deuteron and anti-deuteron production in e+e- collisions at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 192-201	4.2	42
159	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006 , 427, 257-454	27.7	730
158	Pulseshape simulations for the SPD subdetector of LHCb. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 556, 87-93	1.2	2
157	Test of colour reconnection models using three-jet events in hadronic Z decays. <i>European Physical Journal C</i> , 2006 , 48, 685	4.2	7
156	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
155	Measurement of the W boson mass and width in e+e- collisions at LEP. <i>European Physical Journal C</i> , 2006 , 47, 309-335	4.2	31

154	Single vector boson production in pp . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 605, 49-62	4.2	3
153	Two-particle correlations in pp . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 611, 66-80	4.2	10
152	Bose-Einstein correlations in W -pair decays with an event-mixing technique. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 606, 265-275	4.2	25
151	Improved measurement of the triple gauge-boson couplings γWW and ZWW in e^+e^- collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 614, 7-26	4.2	47
150	Test of multi-anode photomultiplier tubes for the LHCb scintillator pad detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 538, 255-264	1.2	7
149	Backsplash testbeam results for the SPD subdetector of LHCb. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 546, 438-447	1.2	1
148	Radiation hardness on very front-end for SPD. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 551, 458-468	1.2	
147	Branching ratios and spectral functions of B_c decays: Final ALEPH measurements and physics implications. <i>Physics Reports</i> , 2005 , 421, 191-284	27.7	252
146	Limits for the central production of Θ^+ and Ξ^{--} pentaquarks in 920-GeV pA collisions. <i>Physical Review Letters</i> , 2004 , 93, 212003	7.4	61
145	Two-dimensional analysis of Bose-Einstein correlations in hadronic Z decays at LEP. <i>European Physical Journal C</i> , 2004 , 36, 147-159	4.2	14
144	Studies of QCD at $(\sqrt{s}^+ + \sqrt{s}^-)$ centre-of-mass energies between 91 and 209 GeV. <i>European Physical Journal C</i> , 2004 , 35, 457-486	4.2	116
143	Measurement of W -pair production in e^+e^- collisions at centre-of-mass energies from 183 to 209 GeV. <i>European Physical Journal C</i> , 2004 , 38, 147-160	4.2	32
142	Absolute mass lower limit for the lightest neutralino of the MSSM from e^+e^- data at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 583, 247-263	4.2	41
141	The HERA-B ring imaging Cherenkov counter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 516, 445-461	1.2	43
140	Search for pentaquark states in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 599, 1-16	4.2	45
139	Constraints on anomalous QGCs in e^+e^- interactions from 183 to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 602, 31-40	4.2	3
138	Measurement of the (\overline{b}) production cross section in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2003 , 26, 345-355	4.2	22
137	Single- and multi-photon production in ee collisions at (\sqrt{s}) up to 209 GeV. <i>European Physical Journal C</i> , 2003 , 28, 1-13	4.2	102

136	Measurement of the inclusive $D^{*\pm}$ production in $(\gamma\gamma)$ collisions at LEP. <i>European Physical Journal C</i> , 2003 , 28, 437-449	4.2	5
135	Search for anomalous weak dipole moments of the (τ) lepton. <i>European Physical Journal C</i> , 2003 , 30, 291-304	4.2	18
134	Measurement of the hadronic photon structure function $(F_2^{\gamma}(x, Q^2))$ in two-photon collisions at LEP. <i>European Physical Journal C</i> , 2003 , 30, 145-158	4.2	9
133	Search for supersymmetric particles with R-parity violating decays in $e + e^-$ collisions at (\sqrt{s}) up to 209 GeV. <i>European Physical Journal C</i> , 2003 , 31, 1-16	4.2	37
132	Exclusive production of pion and kaon meson pairs in two photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 569, 140-150	4.2	15
131	Study of multianode photomultipliers for the electromagnetic calorimeter preshower read out of the lhc experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 504, 9-13	1.2	7
130	J/ψ production via B decays in 920 GeV pA interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 561, 61-72	4.2	24
129	A measurement of the gluon splitting rate into $c\bar{c}$ pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 561, 213-224	4.2	9
128	Search for gauge mediated SUSY breaking topologies in ee collisions at centre-of-mass energies up to 209 GeV. <i>European Physical Journal C</i> , 2002 , 25, 339-351	4.2	43
127	Inclusive semileptonic branching ratios of b hadrons produced in Z decays. <i>European Physical Journal C</i> , 2002 , 22, 613-626	4.2	9
126	Measurement of the forward-backward asymmetry in $(\mathit{Z} \rightarrow \mathit{b} \bar{\mathit{b}})$ and $(\mathit{Z} \rightarrow \mathit{c} \bar{\mathit{c}})$ decays with leptons. <i>European Physical Journal C</i> , 2002 , 24, 177-191	4.2	9
125	Backsplash studies for the Scintillator Pad Detector of LHCb in a tagged-photon test beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 484, 333-341	1.2	2
124	Production of D_s^{**} mesons in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 34-49	4.2	11
123	Final results of the searches for neutral Higgs bosons in $e+e^-$ collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 191-205	4.2	68
122	Search for scalar leptons in $e+e^-$ collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 206-220	4.2	64
121	Leptonic decays of the D_s meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 528, 1-18	4.2	18
120	Inclusive production of the η and η' mesons in Z decays, and the muonic branching ratio of the η . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 528, 19-33	4.2	9
119	Search for $B \rightarrow B$ in $e+e^-$ collisions at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 530, 56-66	4.2	33

118	Search for charginos nearly mass degenerate with the lightest neutralino in $e+e$ collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 533, 223-236	4.2	76
117	Search for scalar quarks in $e+e$ collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 537, 5-20	4.2	52
116	A flavour-independent Higgs boson search in $e+e$ collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 25-34	4.2	12
115	Search for τ decays of a Higgs boson in $e+e$ collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 16-24	4.2	23
114	Search for single top production in $e+e$ collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 543, 173-182	4.2	35
113	Search for charged Higgs bosons in $e+e$ collisions at energies up to $s=209$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 543, 1-13	4.2	58
112	Absolute lower limits on the masses of selectrons and sneutrinos in the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 544, 73-88	4.2	29
111	Searches for neutral Higgs bosons in $e+e$ collisions at centre-of-mass energies from 192 to 202 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 499, 53-66	4.2	21
110	Search for supersymmetric particles in $e+e$ collisions at up to 202 GeV and mass limit for the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 499, 67-84	4.2	48
109	Study of the fragmentation of b quarks into B mesons at the Z peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 512, 30-48	4.2	102
108	Using ASD8 as readout of multianode photomultipliers for single photoelectron discrimination in the HERA-B RICH detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 457, 627-633	1.2	1
107	The performance of the HERA-B RICH at high track densities. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 471, 30-34	1.2	3
106	The HERA-B RICH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 453, 289-295	1.2	12
105	APD performance in a luminosity monitor at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 442, 198-202 ^{1,2}		1
104	Fermi-Dirac correlations in τ pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 475, 395-406	4.2	15
103	Determination of $ V_{ub} / V_{cb} $ with DELPHI at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 478, 14-30	4.2	25
102	Measurement of W -pair production in $e+e$ collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 484, 205-217	4.2	14
101	A study of the decay width difference in the B_0 s system using τ correlations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 486, 286-299	4.2	22

100	Search for τ decays of a Higgs boson produced in association with a fermion pair in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 241-252	4.2	8
99	Search for charged Higgs bosons in e^+e^- collisions at energies up to $\sqrt{s} = 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 253-263	4.2	18
98	Search for a scalar top almost degenerate with the lightest neutralino in e^+e^- collisions at \sqrt{s} up to 202 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 488, 234-246	4.2	13
97	Search for single top production in e^+e^- collisions at $\sqrt{s} = 202$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 494, 33-45	4.2	7
96	Observation of an excess in the search for the Standard Model Higgs boson at ALEPH. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 495, 1-17	4.2	116
95	Search for the glueball candidates $f_0(1500)$ and $f_J(1710)$ in τ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 472, 189-199	4.2	30
94	Improved multidimensional scaling analysis using neural networks with distance-error backpropagation. <i>Neural Computation</i> , 1999 , 11, 595-600	2.9	2
93	Analysis of transverse momentum correlations in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 183-198	4.2	
92	The physics potential of the HERA-B RICH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 433, 357-365	1.2	3
91	The HERA-B RICH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 433, 128-135	1.2	16
90	On the determination of probability density functions by using Neural Networks. <i>Computer Physics Communications</i> , 1998 , 115, 25-31	4.2	5
89	Measurement of triple gauge-boson couplings at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 422, 369-383	4.2	28
88	Test beam results of a stereo preshower integrated in the liquid argon accordion calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 411, 313-329	1.2	1
87	The forward-backward asymmetry for charm quarks at the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 415-425	4.2	8
86	A measurement of the gluon splitting rate into pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 437-450	4.2	20
85	Study of muon-pair production at centre-of-mass energies from 20 to 136 GeV with the ALEPH detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 399, 329-341	4.2	9
84	Searches for scalar top and scalar bottom quarks at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 431-446	4.2	18
83	Performance of an endcap prototype of the ATLAS accordion electromagnetic calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 389, 398-408	1.2	7

82	Optimal projection to estimate the proportions of the different subsamples in a given mixture sample. <i>Computer Physics Communications</i> , 1997 , 104, 37-45	4.2	
81	Improved measurement of the B^0 and B^+ meson lifetimes. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 71, 31-44		12
80	A precise measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 369, 151-162	4.2	10
79	Search for supersymmetric particles in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 373, 246-260	4.2	54
78	Measurement of hadron and lepton-pair production from e^+e^- annihilation at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 378, 373-384	4.2	18
77	Mass limit for the standard model Higgs boson with the full LEP I ALEPH data sample. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 427-438	4.2	33
76	Quark and gluon jet properties in symmetric three-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 353-364	4.2	35
75	Strange b baryon production and lifetime in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 449-460	4.2	28
74	Search for heavy lepton pair production in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 439-448	4.2	11
73	Observation of charmless hadronic B decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 471-480	4.2	13
72	Search for excited leptons at 130-140 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 385, 445-453	4.2	19
71	Charm counting in b decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 648-658	4.2	16
70	Analytical interpretation of feed-forward nets outputs after training. <i>International Journal of Neural Systems</i> , 1996 , 7, 19-27	6.2	3
69	A regularization term to avoid the saturation of the sigmoids in multilayer neural networks. <i>International Journal of Neural Systems</i> , 1996 , 7, 257-62	6.2	3
68	Improved measurement of the B^0 and B^+ meson lifetimes 1996 , 71, 31		3
67	A New Method Based on Artificial Neural Network Techniques for Determining the Fraction of Binaries in Star Clusters. <i>Astrophysical Journal</i> , 1996 , 462, 221	4.7	5
66	Study of the subjet structure of quark and gluon jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 389-398	4.2	27
65	Search for supersymmetric particles with R-parity violation in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 349, 238-252	4.2	14

64	The forward-backward asymmetry for charm quarks at the Z pole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 352, 479-486	4.2	7
63	Measurements of the b baryon lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 685-698	4.2	19
62	Measurement of the effective b quark fragmentation function at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 699-714	4.2	38
61	Performance of a liquid argon accordion hadronic calorimeter prototype. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995 , 355, 295-307	1.2	4
60	Performance of a large scale prototype of the ATLAS accordion electromagnetic calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995 , 364, 290-306	1.2	22
59	Use of multilayer feedforward neural nets as a display method for multidimensional distributions. <i>International Journal of Neural Systems</i> , 1995 , 6, 273-82	6.2	3
58	Performance of the ALEPH detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995 , 360, 481-506	1.2	256
57	Multidimensional interpolation using artificial neural networks: Application to an H I cloud in Perseus. <i>Astronomical Journal</i> , 1995 , 109, 312	4.9	2
56	Test of agreement between two multidimensional empirical distributions. <i>Computer Physics Communications</i> , 1994 , 84, 297-306	4.2	2
55	Performance of the liquid argon electromagnetic and hadronic accordion calorimeter for the LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 344, 39-46	1.2	2
54	Observation of monojet events and tentative interpretation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 334, 244-252	4.2	6
53	Statistical methods in astronomy based on artificial neural network techniques. <i>New Astronomy Reviews</i> , 1994 , 38, 257-263		1
52	Production of charmed mesons in Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 62, 1-14		33
51	Search for particles with unexpected mass and charge in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 303, 198-208	4.2	21
50	Search for the standard model Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 299-311	4.2	50
49	Update of electroweak parameters from Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 60, 71-81		19
48	A direct measurement of the invisible width of the Z from single photon counting. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 520-534	4.2	27
47	Search for a non-minimal Higgs boson produced in the reaction \rightarrow . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 312-325	4.2	74

46	Measurement of the b hadron lifetime with the dipole method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 314, 459-470	4.2	13
45	Multidimensional statistical analysis using artificial neural networks - Astronomical applications. <i>Astronomical Journal</i> , 1993 , 106, 1685	4.9	20
44	Hardware implementation of a neural network for high energy physics application. <i>Lecture Notes in Computer Science</i> , 1993 , 426-431	0.9	
43	Measurement of Tau branching ratios. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 54, 211-228		23
42	A measurement of the b baryon lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 297, 449-458	4.2	25
41	Measurement of the absolute luminosity with the ALEPH detector. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 375-390		19
40	An investigation into intermittency. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 21-32		24
39	Measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 279, 411-421	4.2	21
38	Evidence for b baryons in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 278, 209-216	4.2	35
37	Search for a very light CP-odd neutral Higgs boson of the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 285, 309-318	4.2	6
36	Updated measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 174-186	4.2	24
35	Model independent fitting to the Z line shape. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 49, 645-655		24
34	Measurement of isolated photon production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 264, 476-486	4.2	25
33	Measurement of the charged particle multiplicity distribution in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 273, 181-192	4.2	62
32	Search for a new weakly interacting particle. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 262, 139-147	4.2	7
31	Production and decay of charmed mesons at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 266, 218-230	4.2	42
30	Measurement of charge asymmetry in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 259, 377-388	4.2	34
29	Charged particle pair production associated with a lepton pair in Z decays. indication of an excess in the tau channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 263, 112-122	4.2	17

28	Measurement of the B hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 257, 492-504	4.2	21
27	Fast track finding with neural networks. <i>Computer Physics Communications</i> , 1991 , 64, 46-56	4.2	37
26	USE OF NEURAL NETS TO MEASURE THE POLARIZATION AND ITS BAYESIAN INTERPRETATION. <i>International Journal of Neural Systems</i> , 1991 , 02, 221-228	6.2	9
25	Search for a very light Higgs boson in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 245, 289-297	4.2	38
24	Search for neutralino production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 541-550	4.2	43
23	Search for excited leptons in Z0 decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 501-510	4.2	30
22	A search for new quarks and leptons from Z0 decay at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 511-522	4.2	73
21	Search for excited neutrinos in Z decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 250, 172-182	4.2	22
20	Search for neutral Higgs bosons from supersymmetry in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 237, 291-302	4.2	61
19	On the small contribution to the Z0 width of a new and elusive vector-like down quark singlet. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 242, 503-506	4.2	1
18	A search for pair-produced charged Higgs bosons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 623-634	4.2	41
17	Search for decays of the Z0 into a photon and a pseudoscalar meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 635-643	4.2	8
16	Determination of the leptonic branching ratios of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 234, 399-408	4.2	16
15	A precise determination of the number of families with light neutrinos and of the Z boson partial widths. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 235, 399-414 ²	4.2	99
14	A very forward luminosity monitor for the ALEPH detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 297, 153-162	1.2	3
13	ALEPH: A detector for electron-positron annihilations at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 294, 121-178	1.2	340
12	Electroweak studies in e+e- collisions: 12 <i>Physical Review D</i> , 1988 , 38, 2665-2678	4.9	15
11	Search for SUSY particles $\tilde{\chi}, \tilde{g}, \tilde{q}$ in electron positron annihilation at 44 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 194, 167-172	4.2	7

10	A time expansion chamber as a vertex detector for the experiment mark j at desy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1986 , 252, 357-365	1.2	15
9	A measurement of the strong coupling constant α_s to complete second order. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 180, 181-184	4.2	9
8	The production and decay of tau leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 179, 177-182	4.2	17
7	Subtle errors in α_s determination using \bar{b} corrected data of energy-energy asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 180, 409-414	4.2	3
6	Fragmentation corrections to triple energy correlations in high-energy e-e+ annihilation. <i>Physical Review D</i> , 1986 , 34, 129-132	4.9	3
5	Study of hadron and inclusive muon production from e+e- annihilation at 39.79 . <i>Physical Review D</i> , 1986 , 34, 681-691	4.9	30
4	New particle searches. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 152, 439-442	4.2	57
3	Measurement of e+e- \rightarrow micro+ micro-: A test of electroweak theories. <i>Physical Review Letters</i> , 1985 , 55, 665-668	7.4	31
2	Measurement of the strong-coupling constant α_s to second order for 22 . <i>Physical Review Letters</i> , 1985 , 54, 1750-1753	7.4	20
1	Search for the Supersymmetric Partners of the Z0 and W \pm . <i>Physical Review Letters</i> , 1984 , 53, 1806-1809	7.4	31