

Andrei Tsaregorodtsev

List of Publications by Year in Descending Order

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

586
papers

19,539
citations

64
h-index

111
g-index

598
ext. papers

22,916
ext. citations

5
avg, IF

6.04
L-index

#	Paper	IF	Citations
586	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\text{pm}}, \text{text {jet}})$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
585	Structural Biology in the Clouds: The WeNMR-EOSC Ecosystem. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 729513	5.6	39
584	The Cherenkov Telescope Array production system proto-type for large-scale data processing and simulations. <i>EPJ Web of Conferences</i> , 2021 , 251, 02029	0.3	
583	Search for long-lived particles decaying to $(e^{\text{pm}})(\mu^{\text{mp}})(\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
582	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^{\text{el}} \ell^+ \ell^-)$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
581	Precision measurement of the $(\chi_{\text{cc}}^{\text{++}})$ mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
580	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s} = 13)$ (text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
579	Search for CP violation in $(\chi_c^+ \rightarrow p K^- \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
578	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \nu_\mu$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
577	Measurement of CP violation in $B^0 \rightarrow D^* D^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
576	Integration of the JINR Hybrid Computing Resources with the DIRAC Interware for Data Intensive Applications. <i>Communications in Computer and Information Science</i> , 2020 , 31-46	0.3	0
575	Search for the doubly charmed baryon $(\chi_{\text{cc}}^{\text{++}})$. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
574	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
573	Measurement of the relative $B^0 \rightarrow D^* D^0$ branching fractions using B^0 mesons from $B^0 \rightarrow D^* D^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
572	Measurement of CP observables in the process $B^0 \rightarrow D^* D^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
571	Search for the rare decay $(B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
570	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow D^* D^0$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134789	4.2	2

569	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \chi_{\text{c}1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
568	Measurement of the Charm-Mixing Parameter γ_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
567	Search for CP Violation in $D_{\text{s}}^+ \rightarrow K_{\text{S}}^0 \pi^+$, $D^+ \rightarrow K_{\text{S}}^0 K^+$, and $D^+ \rightarrow \pi^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
566	Observation of $B_{\text{s}}^0 \rightarrow \mu^+ \mu^-$ Decays and Precision Measurements of the B_{s}^0 Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
565	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
564	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
563	Observation of a Narrow Pentaquark State, $P_{\text{c}}(4312)^+$, and of the Two-Peak Structure of the $P_{\text{c}}(4450)^+$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
562	Observation of an Excited B_{c}^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
561	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
560	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \bar{p}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
559	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow K^+ \mu^- \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
558	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
557	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
556	Measurement of the mass and production rate of \bar{B} baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
555	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+$, $D^+ \rightarrow K^+ \pi^+$ and $D^+ \rightarrow K^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3
554	Study of the $B^0 \rightarrow K^* K^0$ decay with an amplitude analysis of $B^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
553	Measurement of the ratio of branching fractions of the decays $D^0 \rightarrow b^- \bar{p} \pi^0$ and $D^0 \rightarrow b^- \bar{p} \pi^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
552	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4

551	Precision measurement of the \bar{B}_s^0 , B_s^+ , and B_s^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
550	Amplitude analysis of $B^0 \rightarrow K^0 S K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
549	First Observation of the Radiative Decay $\bar{B} \rightarrow \gamma \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7.4	7
548	Measurement of the branching fraction and (C)P asymmetry in $(\bar{B}^0 \rightarrow J/\psi \rho^+)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
547	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
546	Near-threshold $(\overline{D}^* D)$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
545	Amplitude analysis of the $(B^0 \rightarrow K^* \overline{K}^*)$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^* \overline{K}^*)$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
544	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
543	Measurements of CP asymmetries in charmless four-body $(\Lambda^0 \rightarrow \varphi \pi^+ \pi^-)$ and $(\Xi^0 \rightarrow \varphi \pi^+ \pi^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
542	Prompt B_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
541	A search for $(\Xi_{cc}^{++}) \rightarrow D^+ p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
540	Exploiting GPUs on distributed infrastructures for medical imaging applications with VIP and DIRAC 2019 ,		1
539	Measurement of CP violation in the $(B_s^0 \rightarrow \phi \phi)$ decay and search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
538	Measurement of CP-Violating and Mixing-Induced Observables in $B_s^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
537	Observation of Two Resonances in the $(B^0 \rightarrow \pi^+ \pi^-)$ Systems and Precise Measurement of $(B^0 \rightarrow \pi^+ \pi^-)$ and $(B^0 \rightarrow \pi^+ \pi^0)$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
536	Search for excited $B^+ c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
535	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
534	First observation of forward $Z \rightarrow b\bar{b}$ production in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 430-439	4.2	1

533	Measurement of CP observables in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
532	A measurement of the CP asymmetry difference between $\Lambda^0 \rightarrow \bar{p} K^0 K^+$ and p^0 decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
531	Measurement of CP asymmetry in $B^0 \rightarrow s \rightarrow \bar{D}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
530	Search for the lepton-flavour violating decays $B^0 \rightarrow (s) \rightarrow \bar{e} \mu$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
529	First measurement of the CP-violating phase ($\phi_s^{\overline{D}}$) in $B^0 \rightarrow s \rightarrow \bar{K}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
528	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \bar{D}^0 \mu \mu$ branching fraction using three-prong μ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
527	Measurement of the Ratio of the $B^0 \rightarrow \bar{D}^0 \mu^+ \mu^-$ and $B^0 \rightarrow \bar{D}^0 \tau^+ \tau^-$ Branching Fractions Using Three-Prong μ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
526	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \bar{D}^0 \mu^+ \mu^-) / B(B_{c^+} \rightarrow \bar{D}^0 \tau^+ \tau^-)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
525	Search for B_{c^+} decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4
524	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
523	Measurement of branching fractions of charmless four-body $\bar{D}^0 b$ and $\bar{D}^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
522	Observation of the decay $B^0 \rightarrow \bar{D}^0 p \bar{p}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
521	Observation of a New Ξ_b^{\prime} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
520	Evidence for the Rare Decay $\bar{D}^0 \rightarrow \bar{D}^0 \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
519	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	13
518	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \bar{K}^0 S^0 K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
517	Study of ψ 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
516	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21

515	Search for CP violation in $B^0 \rightarrow \rho^+ K^-$ and $B^0 \rightarrow \rho^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
514	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
513	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
512	Observation of the decay $B_s^0 \rightarrow \rho^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
511	Observation of $B_s^0 \rightarrow \rho^+ \pi^0$ and search for $B^0 \rightarrow \rho^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
510	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
509	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
508	Measurement of η production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
507	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
506	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+ K^-$) in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
505	Search for a dimuon resonance in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
504	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
503	Angular moments of the decay $B^0 \rightarrow \rho^+ \pi^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
502	Measurement of $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
501	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \pi^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
500	Measurement of the CKM angle Γ using $B^0 \rightarrow \rho^+ K^-$ with $D \rightarrow \rho^0 \pi^+ \pi^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
499	Measurement of D^0 production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
498	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \rho^+ \pi^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7.4	8

497	Measurement of the χ^2 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7.4	12
496	Evidence for the decay $(B^0_S \rightarrow \overline{K}^{*0} \mu^+ \mu^-)$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
495	Measurement of CP asymmetries in two-body $B(s)$ -meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018 , 98,	4.9	13
494	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
493	Measurement of the CP asymmetry in $B^0 \rightarrow D^0$ and $B^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
492	Search for CP violation using triple product asymmetries in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
491	Updated determination of D^0 mixing and CP violation parameters with $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	11
490	Search for the rare decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
489	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
488	First observation of $B^+ \rightarrow \pi^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow \pi^+ s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
487	Measurements of the branching fractions of $B^0 \rightarrow \pi^+ \pi^-$, $B^0 \rightarrow \pi^+ \pi^- K^+$, and $B^0 \rightarrow \pi^+ \pi^- K^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
486	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
485	Amplitude Analysis of the Decay $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
484	Search for the CP-violating strong decays $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
483	Search for the suppressed decays $B^+ \rightarrow \pi^+ K^+ K^-$ and $B^+ \rightarrow \pi^+ K^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
482	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.	6.2	45
481	Amplitude analysis of $B^+ \rightarrow \pi^+ K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
480	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \pi^+ \pi^+ K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98

479	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801	7.4	18
478	First Experimental Study of Photon Polarization in Radiative B_{s^0} Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
477	Measurement of forward $t\bar{t}$, $W+bb$ and $W+cc$ production in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 110-120	4.2	4
476	Observation of the decay $B_{s^0} \rightarrow \mu^+ \mu^-$ and evidence for $B_{s^0} \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
475	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
474	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \mu^+ \mu^-$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
473	Study of the $D^0 \rightarrow \mu^+ \mu^-$ amplitude in $B \rightarrow D^0 \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
472	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
471	Observation of $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$ decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
470	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
469	Observation of the Decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
468	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
467	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{\text{N}}})=5\text{TeV}$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
466	Prompt and nonprompt J/ψ production and nuclear modification in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 159-178	4.2	26
465	Observation of charmless baryonic decays $B(s^0) \rightarrow p \mu^+ \mu^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
464	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
463	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
462	Observation of $B_{c^+} \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8

461	Measurements of charm mixing and CP violation using D^0 - \bar{K}^0 decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
460	Measurement of the B^0 production asymmetry and the CP asymmetry in $B^0 \rightarrow \bar{K}^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	6
459	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^0 \rightarrow \bar{K}^0$ and $B^0 \rightarrow \bar{K}^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2
458	Search for the $B^0 \rightarrow \bar{K}^0$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
457	Observation of the decay $B^0 \rightarrow \bar{K}^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
456	Measurement of B_{s^0} and D_{s^0} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
455	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
454	Measurement of the CP Violation Parameter A_{CP} in $D^0 \rightarrow \bar{K}^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
453	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
452	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
451	Measurement of CP asymmetries in $D^0 \rightarrow \bar{K}^0$ and $D_s^0 \rightarrow \bar{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
450	Observation of $\psi(2S) \rightarrow \bar{p} p$ and search for $X(3872) \rightarrow \bar{p} p$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
449	Observation of the $B^0 \rightarrow \bar{K}^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
448	Measurement of the $B_{s^0} \rightarrow \bar{K}^0$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \bar{K}^0$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
447	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
446	Observation of the Decays $\Xi_b^0 \rightarrow \bar{K}^0 p K^-$ and $\Xi_b^0 \rightarrow \bar{K}^0 p K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
445	Observation of the $B^+ \rightarrow \bar{K}^0 \pi^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
444	Search for the Decays $B_{s^0} \rightarrow \bar{K}^0$ and $B^0 \rightarrow \bar{K}^0$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40

443	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
442	Observation of the suppressed decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
441	Test of lepton universality with $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
440	χ^2 and χ^2 Resonance Parameters with the Decays $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
439	Search for Baryon-Number Violating B^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
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435	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
434	Evidence for the two-body charmless baryonic decay ($B^+ \rightarrow \overline{\Lambda}^0 \pi^+$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
433	First Observation of the Rare Purely Baryonic Decay $B^+ \rightarrow \overline{\Lambda}^0 p$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
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431	Study of ($\overline{b} \rightarrow \overline{b}$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
430	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^-$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
429	Measurement of B^0 , B_s^0 , B^+ and 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
428	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^- S^0$ and $B^0 \rightarrow \pi^+ \pi^- K^+ K^- S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
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426	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23

425	Updated branching fraction measurements of $B(s) \rightarrow K^0 \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5-4	4
424	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
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414	Evidence for Exotic Hadron Contributions to $B_{\text{c}} \rightarrow B_{\text{c}}^0 K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7-4	91
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412	Measurement of the mass and lifetime of the Λ_b baryon. <i>Physical Review D</i> , 2016 , 93,	4-9	6
411	First Observation of $D^0 \rightarrow D^0 \pi^+ \pi^-$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7-4	16
410	First observation of the rare $B^+ \rightarrow D^0 K^+ \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4-9	3
409	Measurement of the $B_s^0 \rightarrow D_s^+ D_s^-$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4-9	3
408	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 93,	4-9	6

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400	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}} = 5) \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
399	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ S^0$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11
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393	Efficient Distributed Computations with DIRAC. <i>Lecture Notes in Computer Science</i> , 2016 , 330-341	0.9	
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384	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
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381	Measurement of the CKM angle α from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	23
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339	Search for the rare decays $B^0 \rightarrow \mu^+ \mu^-$ and $B_s^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review D</i> , 2015 , 92,	4-9	7
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336	Observation of the $B(s)(0) \rightarrow \mu^+ \mu^-$ Decay. <i>Physical Review Letters</i> , 2015 , 115, 051801	7-4	7

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326	Measurement of the exclusive ρ 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
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322	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \rho^+ \rho^- K^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	4
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298	Measurement of the CP-violating phase ϕ_s in $B \rightarrow \rho \pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
297	Evidence for the decay $B \rightarrow \rho \pi$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
296	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
295	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{S}}^0 \pi^{\pm})$ and $(K_{\text{S}}^0 K^{\pm})$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^{\pm})$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
294	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
293	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
292	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
291	Angular analysis of charged and neutral $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
290	Evidence for the decay $(B_{\text{c}}^+ \rightarrow \{J/\psi\} \left[\frac{1}{\sqrt{3}} (\psi(3770) + 2\psi(4180)) \right])$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
289	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
288	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
287	Study of (Υ) production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{\text{NN}}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
286	Observation of the $D^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
285	Observation of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	5
284	Study of the kinematic dependences of D^0 production in pp collisions and a measurement of the $D^0 \rightarrow \pi^+ c \pi^-$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
283	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
282	Measurement of (Υ) production in (pp) collisions at $(\sqrt{s}) = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23

281	Measurement of the [Formula: see text] meson lifetime using [Formula: see text] decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4.2	32
280	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
279	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text]TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
278	Search for the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
277	Search for CP violation in the decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
276	Measurement of the charge asymmetry in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 85-94	4.2	10
275	Observation of the resonant character of the Z(4430)(-) state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
274	Observation of photon polarization in the b-f transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
273	Precision measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
272	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
271	ILCDIRAC, a DIRAC extension for the Linear Collider community. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032077	0.3	10
270	Self managing experiment resources. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032093	0.3	1
269	DIRAC framework evaluation for the Fermi-LAT and CTA experiments. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032003	0.3	2
268	DIRAC Distributed Computing Services. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032096	0.3	24
267	Measurement of the CP-violating phase γ_s in $B_s(0) \rightarrow D_s(+/-) D_s(-/+)$ decays. <i>Physical Review Letters</i> , 2014 , 113, 211801	7.4	17
266	Measurement of CP violation parameters in $B_0 \rightarrow D K^* 0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
265	Measurements of CP violation in the three-body phase space of charmless $B_{\pm} \rightarrow \pi^{\pm} \pi^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
264	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83

263	Measurement of CP asymmetries in the decays $B^0 \rightarrow \bar{K}^*0 \pi^+$ and $B^+ \rightarrow \bar{K}^*0 \pi^+$. <i>Journal of High Energy Physics</i> , 2014 , 2014,	5.4	15
262	Observation of $B_{s^0} \rightarrow \{K^{*\mp}\} \{K^{mp}\}$ and evidence for $B_{s^0} \rightarrow \{K^{*-}\} \{\pi^+\}$ decays. <i>New Journal of Physics</i> , 2014 , 16, 123001	2.9	6
261	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D \rightarrow K S^0$ decays. <i>Nuclear Physics B</i> , 2014 , 888, 169-193	2.8	13
260	Measurement of the $B^0 \rightarrow B^0$ and $B_s^0 \rightarrow B_s^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 218-228	4.2	22
259	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , 2014 , 113, 082003	7.4	15
258	Evidence for CP violation in $B^+ \rightarrow \bar{p} p K^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 141801	7.4	14
257	First observation of a baryonic B_c^+ decay. <i>Physical Review Letters</i> , 2014 , 113, 152003	7.4	24
256	Measurement of resonant and CP components in $B_s^0 \rightarrow \bar{p} p$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
255	Search for Majorana neutrinos in $B^- \rightarrow \bar{p} p$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
254	Measurement of the B_s^0 meson lifetime in $D_s^+ \rightarrow \bar{p} p$ decays. <i>Physical Review Letters</i> , 2014 , 113, 172001	7.4	10
253	Measurement of CP violation in the phase space of $B^0 \rightarrow \bar{K}^*0 K^- \pi^+$ and $B^0 \rightarrow \bar{K}^*0 \pi^+$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
252	Measurement of the resonant and CP components in $B^0 \rightarrow \bar{p} p$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
251	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
250	Measurement of the $B_s(0) \rightarrow \bar{p} D_s^- D_s^+$ and $B_s(0) \rightarrow \bar{p} D^- D_s^+$ effective lifetimes. <i>Physical Review Letters</i> , 2014 , 112, 111802	7.4	12
249	Dalitz plot analysis of $B_s^0 \rightarrow \bar{D}^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
248	Measurements of indirect CP asymmetries in $D^0 \rightarrow \bar{K}^*0 K^+$ and $D^0 \rightarrow \bar{K}^*0 \pi^+$ decays. <i>Physical Review Letters</i> , 2014 , 112, 041801	7.4	18
247	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
246	Test of lepton universality using $b^+ \rightarrow \bar{K}^*0 \pi^+$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542

245	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
244	Measurement of CP violation in $B_s^0 \rightarrow \rho^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
243	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	21
242	Observation of $B(s)(0) \rightarrow J/\psi(1285)$ decays and measurement of the $\phi(1285)$ mixing angle. <i>Physical Review Letters</i> , 2014 , 112, 091802	7.4	17
241	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
240	Studies of beauty baryon decays to $D^0 \pi^0$ and $\Lambda^0 \pi^0$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
239	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
238	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
237	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
236	Search for CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
235	First observations of the rare decays $B^+ \rightarrow K^+ \pi^0 \pi^0$ and $B^+ \rightarrow K^+ \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7
234	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
233	Measurement of the CKM angle α using $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ K^- K^+$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
232	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	10
231	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
230	A study of CP violation in $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ \pi^-$ decays with $D^+ \rightarrow K^+ K^- K^+$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
229	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
228	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \rho^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86

227	Search for CP violation in $D + \bar{D}$ and $(D_s^+ \rightarrow K_S^0 \pi^+)$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
226	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	48
225	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
224	Measurement of the $B^0 \rightarrow e^+ e^-$ branching fraction at low dilepton mass. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	22
223	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
222	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
221	Measurement of CP observables in $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	6
220	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
219	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	63
218	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	13
217	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
216	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4-2	17
215	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4-2	19
214	Search for $D(s) \rightarrow \pi^+ \pi^-$ and $D(s) \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4-2	30
213	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
212	Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 24-31	4-2	11
211	Branching fraction and CP asymmetry of the decays $B^+ \rightarrow \pi^0 K^+$ and $B^+ \rightarrow \pi^0 K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 646-655	4-2	9
210	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

209	Study of $B_{(s)}^0 \rightarrow K_{\text{charm}(S)}^0 \{h^+\} \{h^{\prime -}\}$ decays with first observation of $B_s^0 \rightarrow K_{\text{charm}(S)}^0 \{K^{\pm}\} \{\pi^{\mp}\}$ and $B_s^0 \rightarrow K_{\text{charm}(S)}^0 \{\pi^+\} \{\pi^-\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
208	Measurement of the relative rate of prompt Υ_0 , Υ_1 and Υ_2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
207	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \overline{p} \rho^+$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
206	Study of D J meson decays to $D^+ \rho^0 \pi^0$ and $D^{*+} \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
205	First observation of the decay $(B_c^+ \rightarrow \{J \text{ left/ } \{\{\psi \{K^+\}\}\} \text{ right.}\})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
204	Searches for $(B_{(s)}^0 \rightarrow \{J \text{ left/ } \{\{\psi \rho\}\} \text{ right.}\}) \overline{p}$ and $B^+ \rightarrow \rho^+ \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
203	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \rho^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
202	Measurement of B meson production cross-sections in proton-proton collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
201	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
200	Observation of $B_{(s)}^0 \rightarrow \overline{B}_{(s)}^0$ mixing and measurement of mixing frequencies using semileptonic B decays. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	14
199	Search for the doubly charmed baryon (Ξ_{cc}^+) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
198	Measurement of ρ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
197	Observation of the decay $(B_c^+ \rightarrow \rho^+ \pi^0 + K^+ \pi^0)$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
196	First observation of the decay $(B_s^0 \rightarrow \rho^+ \overline{K}^{*0})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
195	First evidence for the decay $B(s)0 \rightarrow \rho^+ \pi^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
194	First observation of CP violation in the decays of B(s)0 mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
193	Search for the rare decay $(K_{\text{charm}(S)}^0 \rightarrow \{\mu^+\} \{\mu^-\})$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
192	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</i> , 2013 , 2013, 1	5.4	13

191	Measurement of the ratio of branching fractions $B(B \rightarrow K^* \ell^+ \ell^-)/B(B \rightarrow \pi^+ \ell^+ \ell^-)$ and the direct CP asymmetry in $B \rightarrow K^* \ell^+ \ell^-$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
190	Measurement of the effective β . <i>Nuclear Physics B</i> , 2013 , 873, 275-292	2.8	10
189	Prompt charm production in pp collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
188	Observation of the suppressed ADS modes $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 44-53	4.2	14
187	Measurement of the CKM angle Γ from a combination of $B \rightarrow \pi^0 \ell^+ \ell^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
186	Measurement of the B^0 oscillation frequency Γ with the decays $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ and $B^0 \rightarrow \pi^+ \ell^- \ell^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 318-325	4.2	15
185	Search for direct CP violation in $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 723, 33-43	4.2	29
184	Measurements of the $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ 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
183	Observation of the decay $B_s^0 \rightarrow \pi^0 \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 403-411	4.2	13
182	Search for the rare decay $D^0 \rightarrow \pi^0 \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
181	Measurement of the differential branching fraction of the decay $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
180	Evidence for the decay $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ and measurement of the relative branching fractions of B_s^0 meson decays to J/ψ and J/ψ . <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
179	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
178	Observation of $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
177	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
176	Observations of $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Nuclear Physics B</i> , 2013 , 871, 403-419	2.8	16
175	Measurement of the $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 902-909	4.2	31
174	Precision measurement of the B^0 oscillation frequency with the decay $B^0 \rightarrow \pi^0 \ell^+ \ell^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49

173	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
172	Search for the lepton-flavor-violating decays $B(s)0 \rightarrow e^{\pm} \mu^{\mp}$ and $B0 \rightarrow e^{\pm} \mu^{\mp}$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
171	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
170	Measurement of CP violation and the $Bs0$ meson decay width difference with $Bs0 \rightarrow \bar{K}^0 + K^0$ and $Bs0 \rightarrow \bar{K}^0 + K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
169	Measurement of $D0$ - $D0$ mixing parameters and search for CP violation using $D0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
168	First observations of $B \rightarrow D^* D_s + D^* D$ and $D^0 D^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
167	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
166	Measurement of the CP asymmetry in $B(+) \rightarrow K^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
165	First measurement of the CP-violating phase in $Bs(0) \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2013 , 110, 241802	7.4	14
164	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
163	Measurement of the branching fractions of the decays $Bs0 \rightarrow D^0 K^0$ and $B0 \rightarrow D^0 K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	16
162	Analysis of the resonant components in $B \rightarrow \bar{K}^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
161	Observation of the decay $B(c)(+) \rightarrow \bar{B}(s)(0) \pi^+$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
160	Search for the decay $Bs0 \rightarrow D^* \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	6
159	Measurement of the polarization amplitudes in $B0 \rightarrow \bar{K}^*(892)0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
158	Measurement of CP violation in the phase space of $B^{\pm} \rightarrow K^{\pm} \pi^0$ and $B^{\pm} \rightarrow K^{\pm} K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
157	Observation of the decay $Bc^+ \rightarrow \psi(2S) \pi^+$. <i>Physical Review D</i> , 2013 , 87,	4.9	28
156	Measurement of form-factor-independent observables in the decay $B0 \rightarrow K^*(0) \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314

155	Observation of $B_{c^+} \rightarrow \bar{b} D_{s^+}$ and $B_{c^+} \rightarrow \bar{b} D_{s^{*+}}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
154	Study of $B_0 \rightarrow \bar{D}^{*0} \mu^+ \mu^-$ and $B_0 \rightarrow \bar{D}^{*0} K^+ \mu^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	9
153	Measurement of the CP asymmetry in $B(0) \rightarrow \bar{K}^{*0} (\mu^+ \mu^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 031801	7.4	21
152	Studies of the decays $B^+ \rightarrow \bar{p} p \pi^+$ and observation of $B^+ \rightarrow \bar{\Lambda}(1520) p$. <i>Physical Review D</i> , 2013 , 88,	4.9	11
151	Observation of a resonance in $B^+ \rightarrow \bar{K}^+ \mu^+ \mu^-$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
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148	First observation of $B_{s0} \rightarrow \bar{b} K^+ K^-$ and search for $B_{s0} \rightarrow \bar{b} \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	14
147	Measurement of the $B_s(0) \rightarrow \bar{b} \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \bar{b} \mu^+ \mu^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
146	Search for rare $B(0) \rightarrow (s) \rightarrow (\mu^+ \mu^-) (\mu^+ \mu^-)$ decays. <i>Physical Review Letters</i> , 2013 , 110, 211801	7.4	14
145	Observation of $B_{s0} \rightarrow \bar{b} K^+ K^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
144	Measurement of the effective $B_{s0} \rightarrow \bar{b} K^+ K^-$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
143	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
142	Search for the rare decays $B_{s0} \rightarrow \bar{b} \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 55-67	4.2	29
141	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
140	First observation of the decay $B_{s0} \rightarrow \bar{b} \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 50-58	4.2	22
139	Measurement of the $B_{s0} B_{s0}^*$ oscillation frequency Δm_s in $B_{s0} \rightarrow \bar{D}_s(B) \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
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136	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
135	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
134	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
133	Measurement of the B_{μ} 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
132	Measurements of the branching fractions of the decays $B_{\mu} \rightarrow D_{\mu} \{ \pi^{\pm} \} K^{\pm}$ and $B_{\mu} \rightarrow D_{\mu} \{ \pi^{\pm} \} \pi^{\pm}$. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	15
131	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
130	Measurement of the isospin asymmetry in $B \rightarrow K^{(*)} \mu \mu$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
129	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
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126	First observation of the decay $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
125	Evidence for CP violation in time-integrated $D_0 \rightarrow \pi^+ \pi^-$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
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123	First evidence of direct CP violation in charmless two-body decays of B_{μ}^0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7.4	43
122	Measurement of the ratio of branching fractions $B(B_0 \rightarrow K^* \mu^+ \mu^-) / B(B_0 \rightarrow \mu^+ \mu^-)$. <i>Physical Review D</i> , 2012 , 85,	4.9	12
121	Searches for Majorana neutrinos in B_{μ} decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
120	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105

119	Measurement of the ϕ meson production in collisions at $\sqrt{s} = 0.9$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 172-179	4.2	12
118	Measurement of the ϕ meson production in collisions at $\sqrt{s} = 0.9$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
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113	Measurement of relative branching fractions of decays to $\phi(2)$ and ϕ mesons. <i>European Physical Journal C</i> , 2012 , 72, 2118	4.2	18
112	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	23
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9	Determination of β_s from hadronic event shapes measured on the Z ⁰ resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 284, 471-481	4.2	58
8	A direct determination of the number of light neutrino families from at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 275, 209-221	4.2	28
7	Measurement of inclusive τ production in hadronic decays of the Z ⁰ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 286, 403-412	4.2	20
6	Measurement of the forward-backward asymmetries at the Z ⁰ resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 454-462	4.2	27
5	Isolated hard photon emission in hadronic Z ⁰ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 472-484	4.2	42
4	A measurement of τ polarization in Z ⁰ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 466-478	4.2	32
3	Search for isosinglet neutral heavy leptons in Z ⁰ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 371-382	4.2	76
2	A study of meta-scheduling architectures for high throughput computing: Pull versus Push		3
1	DIRAC: a scalable lightweight architecture for high throughput computing		25