

Ricardo Graciani Diaz

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.

613
papers

22,653
citations

69
h-index

121
g-index

634
ext. papers

26,267
ext. citations

5
avg, IF

6.21
L-index

#	Paper	IF	Citations
613	Effective field theory interactions for liquid argon target in DarkSide-50 experiment. <i>Physical Review D</i> , 2020 , 101,	4.9	1
612	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. <i>Journal of Instrumentation</i> , 2020 , 15, P02024-P02024	1	10
611	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
610	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
609	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
608	Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
607	Search for the doubly charmed baryon (χ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
606	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	5
605	Search for $A^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
604	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
603	Measurement of the relative $B \rightarrow D^0/D^{*0}/D^{*0}$ branching fractions using B mesons from $B \rightarrow 2\pi^0$ decays. <i>Physical Review D</i> , 2019 , 99,	4.9	2
602	Measurement of CP observables in the process $B^0 \rightarrow DK^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
601	Search for the rare decay ($B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu$). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
600	Bose-Einstein correlations and bb correlations in pp collisions with LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 347-350	1.3	
599	Measurement of the CP-violating phase γ from $B_s^0 \rightarrow J/\psi \pi^0$ 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
598	Highlights from the LHCb experiment. <i>Nuclear Physics A</i> , 2019 , 982, 15-21	1.3	
597	Direct photon production at LHCb. <i>Nuclear Physics A</i> , 2019 , 982, 251-254	1.3	4

596	Study of coherent J/ψ production in lead-lead collisions at $\sqrt{s_{NN}}=5\text{TeV}$ with the LHCb experiment. <i>Nuclear Physics A</i> , 2019 , 982, 247-250	1.3	11
595	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \chi_{c1})$ (3872) ρ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
594	Prompt Ξ^+ baryons and D^0 meson production cross-section and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ with the LHCb detector. <i>Nuclear Physics A</i> , 2019 , 982, 683-686	1.3	1
593	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
592	Search for CP Violation in $D_{\text{s}}^+ \rightarrow K_{\text{S}}^0 \bar{\nu}^+$, $D^+ \rightarrow K_{\text{S}}^0 K^+$, and $D^+ \rightarrow \bar{\nu}^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
591	Observation of $B_{\text{s}}^0 \rightarrow J/\psi p$ Decays and Precision Measurements of the B_{s}^0 Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7.4	4
590	Physics potential of the International Axion Observatory (IAXO). <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 047-047	6.4	64
589	Measurement of B^+ , B^0 and \bar{B}^0 production in pPb collisions at $\sqrt{s_{NN}}=8.16\text{ TeV}$. <i>Physical Review D</i> , 2019 , 99,	4.9	12
588	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
587	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
586	Observation of an Excited B_{c}^+ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
585	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \bar{\nu}^+ \nu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
584	Observation of the doubly Cabibbo-suppressed decay $\Xi^+ \rightarrow p \pi^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
583	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow J/\psi K^+ \bar{K}^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
582	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
581	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
580	Measurement of the mass and production rate of Ξ baryons. <i>Physical Review D</i> , 2019 , 99,	4.9	9
579	Measurement of the branching fractions of the decays $D^+ \rightarrow K \bar{K}^+ K^+$, $D^+ \rightarrow \bar{K}^+ K^+$ and $D^+ \rightarrow \bar{K}^+ K^+$. <i>Journal of High Energy Physics</i> , 2019 , 2019,	5.4	3

578	Study of the $B^0 \rightarrow (\overline{D}^* K^*) K^0$ decay with an amplitude analysis of $B^0 \rightarrow (\overline{D}^* K^*)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
577	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow (\overline{D}^* K^*)$ and $B^0 \rightarrow J/\psi$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	1
576	Dalitz plot analysis of the $D^+ \rightarrow K^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
575	Precision measurement of the Λ^+ , Σ^+ , and Ξ^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4-9	14
574	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
573	First Observation of the Radiative Decay $\Xi(b)^0 \rightarrow \pi^0$. <i>Physical Review Letters</i> , 2019 , 123, 031801	7-4	7
572	Measurement of the branching fraction and (C)P asymmetry in $(\{B^+\} \rightarrow \{J/\psi\} \{\rho^+\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	1
571	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7-4	39
570	Near-threshold $(\overline{D}^* \overline{D}^*)$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	16
569	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
568	Observation of New Resonances in the $\Xi(b)^0 \Xi^0$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7-4	22
567	Updated measurement of time-dependent (CP)-violating observables in $(\{B^0_{\text{s}}\} \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	7
566	Measurements of CP asymmetries in charmless four-body $(\{\varLambda^0_{\text{b}}\})$ and $(\{\varXi^0_{\text{b}}\})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	6
565	Prompt Ξ^0 production in pPb collisions at $(\sqrt{s_{\text{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	10
564	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
563	A search for $(\{\Xi^0_{\text{cc}}\} \rightarrow D^+ p K^0)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
562	Measurement of CP violation in the $(B^0 \rightarrow \phi \phi)$ decay and search for the $B^0 \rightarrow \phi \phi$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	0
561	Measurement of the B_c meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4-9	4

560	Search for the Lepton-Flavor-Violating Decays $B_{s^0} \rightarrow \mu^{\pm} \mu^{\mp} \ell^{\pm}$ and $B^0 \rightarrow \mu^{\pm} \mu^{\mp} \ell^{\pm}$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
559	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^{\pm} e^{\mp}$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
558	Measurement of CP-Violating and Mixing-Induced Observables in $B_{s^0} \rightarrow \tau^{\pm} \ell^{\mp}$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
557	Amplitude Analysis of $B^0 \rightarrow \mu^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14
556	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 232001	7.4	3
555	Observation of Two Resonances in the $\mu^{\pm} b^0 \mu^{\mp}$ Systems and Precise Measurement of $\mu^{\pm} b^{\pm}$ and $\mu^{\pm} b^{*\mp}$ Properties. <i>Physical Review Letters</i> , 2019 , 122, 012001	7.4	29
554	Search for excited B + c states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
553	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
552	First observation of forward Z-to-bb 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
551	Measurement of CP observables in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 777, 16-30	4.2	10
550	A measurement of the CP asymmetry difference between $\bar{B}^0 \rightarrow p K^+$ and $p \bar{B}^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	9
549	Measurement of CP asymmetry in $B^0 \rightarrow D^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
548	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e \mu \ell$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
547	First measurement of the CP-violating phase ($\phi_s^{\overline{d}}$) in $B^0 \rightarrow (K^+ \bar{K}^0)$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
546	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^0 \mu^{\pm} \ell^{\mp}$ branching fraction using three-prong ℓ decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
545	Measurement of the Ratio of the $B^0 \rightarrow D^{*+} \mu^+ \ell^-$ and $B^0 \rightarrow D^{*-} \mu^- \ell^+$ Branching Fractions Using Three-Prong ℓ Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
544	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow J/\psi \mu^+ \ell^-) / B(B_{c^+} \rightarrow J/\psi \mu^+ \ell^-)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
543	Search for Bc+ decays to two charm mesons. <i>Nuclear Physics B</i> , 2018 , 930, 563-582	2.8	4

542	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
541	Measurement of branching fractions of charmless four-body B^0 and B^+ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
540	Observation of the decay $B^0 \rightarrow \bar{D}^+ pp^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 101-111	4.2	7
539	Observation of a New Ξ_b^{\prime} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
538	Evidence for the Rare Decay $B^+ \rightarrow p \bar{D}^0$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
537	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
536	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> , 2018 , 2018, 1	5.4	4
535	Study of η' 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
534	Search for beautiful tetraquarks in the $\eta(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
533	A Compact Detector Module Design Based on FlexToT ASICs for Time-of-Flight PET-MR. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 549-553	4.2	5
532	Search for CP violation in $B^0 \rightarrow p \bar{K}^0$ and $B^0 \rightarrow p \bar{D}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 787, 124-133	4.2	9
531	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
530	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
529	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
528	Observation of $B_s^0 \rightarrow D^0 \pi^0$ and search for $B^0 \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	5
527	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{\text{NN}}} = 110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
526	A tracking algorithm for Monte Carlo simulation of surface roughness in EPMA measurements. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 304, 012015	0.4	2
525	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

524	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
523	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
522	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^-$) in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	0
521	Search for a dimuon resonance in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
520	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4-2	11
519	Angular moments of the decay $\Lambda_b \rightarrow \Lambda \pi$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	17
518	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
517	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
516	Measurement of D^0 π^0 production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
515	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2018 , 121, 091801	7-4	8
514	Measurement of the Ξ_c^0 Baryon Lifetime. <i>Physical Review Letters</i> , 2018 , 121, 092003	7-4	12
513	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
512	Measurement of CP asymmetries in two-body B(s)0-meson decays to charged pions and kaons. <i>Physical Review D</i> , 2018 , 98,	4-9	13
511	Observation of the decay $\Lambda_b \rightarrow (\rho S) p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
510	Measurement of the CP asymmetry in $B \rightarrow D$ $\bar{B} \rightarrow D^0$ and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	1
509	Search for CP violation using triple product asymmetries in $\Lambda_b \rightarrow p K^0 \pi^0$ $\Lambda_b \rightarrow p K^+ K^-$ and $\Lambda_b \rightarrow p K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
508	Updated determination of $D^0 \bar{D}^0$ mixing and CP violation parameters with $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , 2018 , 97,	4-9	11
507	Search for the rare decay $\bar{B}^0 \rightarrow p \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4-9	9

506	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , 2018 , 97,	4.9	5
505	First observation of $B^+ \rightarrow D^+ s K^+ K^0$ decays and a search for $B^+ \rightarrow D^+ s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
504	Measurements of the branching fractions of $\Lambda_c^+ \rightarrow p \pi^0$, $\Lambda_c^+ \rightarrow p K^0$, and $\Lambda_c^+ \rightarrow p K^+$. <i>Journal of High Energy Physics</i> , 2018 , 2018,	5.4	8
503	Measurement of CP violation in $B^0 \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
502	Amplitude Analysis of the Decay $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^{*0} \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
501	Search for the CP-violating strong decays $B^0 \rightarrow \pi^0 \pi^0$ and $\eta(958) \rightarrow \pi^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 233-240	4.2	7
500	Search for the suppressed decays $B^+ \rightarrow K^+ K^+ \pi^-$ and $B^+ \rightarrow \pi^+ K^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
499	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.	6.2	45
498	Amplitude analysis of $B^+ \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
497	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
496	Observation of the Annihilation Decay Mode $B^0 \rightarrow K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 081801.	7.4	18
495	First Experimental Study of Photon Polarization in Radiative B_s^0 Decays. <i>Physical Review Letters</i> , 2017 , 118, 021801	7.4	16
494	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
493	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
492	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
491	Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7B946. <i>Astrophysical Journal</i> , 2017 , 840, 74	4.7	12
490	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
489	Study of the D^0 p amplitude in $D^0 \rightarrow D^0 p \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33

488	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
487	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , 2017 , 77, 72	4.2	4
486	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
485	Observation of the Decay $\Lambda_b^0 \rightarrow p K^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 071801	7.4	7
484	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
483	Study of prompt D^0 meson production in pPb collisions at ($\sqrt{s_{\text{NN}}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
482	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
481	Observation of charmless baryonic decays $B(s)^0 \rightarrow p p \pi^+ \pi^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	5
480	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
479	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
478	Observation of $B_{c^+} \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
477	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
476	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
475	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
474	Search for the $B^0 \rightarrow \eta'$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
473	Observation of the decay $\Lambda_b^0 \rightarrow p K^+ \pi^-$ and a search for CP violation. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	5
472	Measurement of B_{s}^0 and D_{s}^0 Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
471	Observation of the Doubly Charmed Baryon Λ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257

470	Measurement of the CP Violation Parameter A_{FB}^0 in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
469	Observation of $B_{\text{c}}^+ \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
468	Observation of Five New Narrow χ_{c}^0 States Decaying to $\chi_{\text{c}}^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
467	Measurement of CP asymmetries in $D_{\text{fl}} \rightarrow \pi\pi$ and $D_{\text{sfl}} \rightarrow \pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 21-30	4.2	6
466	Observation of $\bar{B}(2S) \rightarrow \text{pp}\pi$ and search for $X(3872) \rightarrow \text{pp}\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 305-313	4.2	16
465	Observation of the $B_{\text{c}}^+ \rightarrow J/\psi \pi^+$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 265-273	4.2	15
464	Measurement of the $B_{\text{s}}^0 \rightarrow \pi^+ \pi^-$ 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
463	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
462	Observation of the Decays $\chi_{\text{b}}^0 \rightarrow \chi_{\text{c}1} \text{p} K^-$ and $\chi_{\text{b}}^0 \rightarrow \chi_{\text{c}2} \text{p} K^-$. <i>Physical Review Letters</i> , 2017 , 119, 062001	7.4	22
461	Observation of the $B^+ \rightarrow D^* \bar{K}^0 \pi^+$ decay. <i>Physical Review D</i> , 2017 , 96,	4.9	2
460	Search for the Decays $B_{\text{s}}^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
459	Measurement of the shape of the $B^0 \rightarrow \bar{D}^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , 2017 , 96,	4.9	23
458	Observation of the suppressed decay $\bar{D}^0 \rightarrow \text{p} \bar{K}^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
457	Test of lepton universality with $B^0 \rightarrow K^* \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
456	$\chi_{\text{c}1}$ and $\chi_{\text{c}2}$ Resonance Parameters with the Decays $\chi_{\text{c}1, \text{c}2} \rightarrow J/\psi \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
455	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
454	Search for Baryon-Number Violating χ_{b}^0 Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
453	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

452	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
451	Measurements of prompt charm production cross-sections in pp collisions at $s = 5 \sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	16
450	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
449	Evidence for the two-body charmless baryonic decay ($\{B\}^+ \rightarrow \overline{\varLambda}^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
448	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow \overline{p} p$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
447	Resonances and CP violation in B^0 and ($\overline{B}^0 \rightarrow J/\psi \{K\}^+ \{K\}^-$) decays in the mass region above the $\chi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
446	Study of ($\overline{b} b$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
445	Measurement of CP observables in $B^0 \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
444	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
443	Measurement of CP violation in $B^0 \rightarrow J/\psi S^0$ and $B^0 \rightarrow \chi(1S) K S^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	2
442	First Observation of a Baryonic $B_{s^0}^0$ Decay. <i>Physical Review Letters</i> , 2017 , 119, 041802	7.4	10
441	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
440	Updated branching fraction measurements of $B(s^0) \rightarrow K S^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	4
439	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
438	Observation of the decay $B_s^0 \rightarrow \tau^+ \tau^-$ and evidence for $B_s^0 \rightarrow \tau^+ \tau^- \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	6
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436	Measurement of the B^0 production cross-section in pp collisions at $s = 7 \sqrt{s} = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017,	5.4	8
435	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

434	Measurement of the CP Asymmetry in $B_{s^0} \rightarrow B_{\text{mix}}^0$ Mixing. <i>Physical Review Letters</i> , 2016 , 117, 061803	7.4	18
433	Model-Independent Evidence for J/ψ Contributions to $\bar{B} \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
432	Evidence for Exotic Hadron Contributions to $\bar{B} \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
431	Studies of the resonance structure in $D^0 \rightarrow K_S^0 K_S^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	13
430	Measurement of the mass and lifetime of the Σ^0 baryon. <i>Physical Review D</i> , 2016 , 93,	4.9	6
429	First Observation of $D^0 \rightarrow D^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
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427	Measurement of the $B_s^0 \rightarrow D_s^{(*)} + D_s^{(*)}$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
426	Constraints on the unitarity triangle angle Γ from Dalitz plot analysis of $B^0 \rightarrow DK^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	6
425	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
424	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
423	Search for Violations of Lorentz Invariance and CPT Symmetry in B_{mix}^0 Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
422	Search for Structure in the B_{mix}^0 Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
421	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ \pi^- \pi^0$ in the $K^*_{0,2}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
420	Study of $D^{(*)} + sJ$ mesons decaying to $D^* + K^0_S$ and $D^0 K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
419	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
418	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
417	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0_S K^0_S$ decays. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	11

416	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	65
415	First observation of the decay $B^0_s \rightarrow K^0_S K^{*(892)0}$ at LHCb. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	3
414	Observation of the $B^0_s \rightarrow J/\psi$ decay. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	7
413	First observation of the decay $D^0 \rightarrow K^0_S \pi^0$ in the $\pi\pi$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567</i>	4-2	10
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411	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C, 2016, 76, 412</i>	4-2	6
410	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C, 2016, 76, 664</i>	4-2	16
409	Observations of $D^0_b \rightarrow K^+ D^-$ and $D^0_b \rightarrow K^+ K^- D^0$ decays and searches for other D^0_b and D^0 decays to $B + h^0$ final states. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	17
408	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, 2016, 2016, 1</i>	5-4	8
407	Observation of $D^0_b \rightarrow \pi^0 p K^0$ and $D^0_b \rightarrow J/\psi \pi^0 K^0$ decays and a measurement of the D^0_b baryon mass. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	15
406	Measurement of the properties of the Λ_b^0 baryon. <i>Journal of High Energy Physics, 2016, 2016,</i>	5-4	15
405	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, 2016, 2016, 1</i>	5-4	25
404	Measurement of the CKM angle Γ using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0_S \pi^0$ decays. <i>Journal of High Energy Physics, 2016, 2016,</i>	5-4	6
403	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	13
402	Measurement of the ratio of branching fractions ($\frac{\text{Br}(B^0 \rightarrow K^+ J/\psi K^0)}{\text{Br}(B^0 \rightarrow K^+ J/\psi \pi^0)}$). <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	5
401	Measurement of forward $W \rightarrow e\bar{\nu}$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	8
400	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	23
399	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^0 \pi^0$ decays and the $B^0 \rightarrow K^{*(892)0} \pi^0$ differential branching fraction. <i>Journal of High Energy Physics, 2016, 2016, 1</i>	5-4	48

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394	Measurement of CP Violation in B ⁰ → D ⁺ D ⁻ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
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388	Measurements of long-range near-side angular correlations in sNN=5TeV 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
387	Search for B _c ⁺ decays to the pp ⁺ π ⁺ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 313-321	4.2	10
386	Observation of the B ⁰ → π ⁰ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 282-292	4.2	12
385	Measurement of CP observables in B _s ⁰ → DK _s ⁰ and B _s ⁰ → D _s 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
384	Determination of the quark coupling strength V _{ub} using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
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382	Study of the rare B _s ⁰ and B ⁰ decays into the π ⁰ π ⁰ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 743, 46-55	4.2	13
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375	Study of B^0 mixing from measurement of $B(s)^0 \rightarrow J/\psi$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
374	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
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363	First observation and amplitude analysis of the $B^0 \rightarrow D^+ K^-$ decay. <i>Physical Review D</i> , 2015 , 91,	4.9	30

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361	Amplitude analysis of $B_0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	16
360	Dalitz plot analysis of $B_0 \rightarrow D^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
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352	Measurement of the ratio of branching fractions $B(B_{\text{overline } \Lambda}^0 \rightarrow D^{*+} \pi^-) / B(B_{\text{overline } \Lambda}^0 \rightarrow D^{*+} \pi^0)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
351	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
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344	Measurement of the exclusive Υ 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
343	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
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320	Measurement of the Λ_b^0 and Σ_b^0 baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 154-162	4.2	10
319	Effective lifetime measurements in the $B_s^0 \rightarrow K^+ K^- B^0 \rightarrow K^+ \pi^-$ 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
318	Measurement of the CP-violating phase $\arg(B^0 \rightarrow J/\psi)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
317	Evidence for the decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
316	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
315	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{charm}}^0 \pi^{\pm})$ and $(K_{\text{charm}}^0 K^{\pm})$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^{\pm})$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
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313	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
312	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
311	Angular analysis of charged and neutral $B \rightarrow K^* \pi$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
310	Evidence for the decay $(B_c^+ \rightarrow J/\psi \text{ left/ right})$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
309	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

308	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
307	Study of (χ_{c0}) 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
306	Observation of the $D^0 \rightarrow J/\psi \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
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303	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
302	Measurement of χ_{c0} production in $\sqrt{s} = 2.76$ TeV pp collisions at $\sqrt{s} = 2.76$ TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	23
301	Measurement of the D^0 meson lifetime using $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>European Physical Journal C</i> , 2014 , 74, 2839	4.2	32
300	Measurement of D^0 polarisation in $D^0 \rightarrow \pi^+ \pi^-$ collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
299	Measurement of charged particle multiplicities and densities in D^0 collisions at $\sqrt{s} = 2.76$ TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
298	Search for the decay $D^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
297	Search for CP violation in the decay $D^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 585-595	4.2	15
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294	Observation of photon polarization in the $b \rightarrow s \gamma$ transition. <i>Physical Review Letters</i> , 2014 , 112, 161801	7.4	29
293	Precision measurement of the ratio of the $D^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
292	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
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287	Measurement of CP violation parameters in $B_0 \rightarrow DK^*0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	11
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285	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7\text{ TeV}$. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83
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276	Measurement of resonant and CP components in $B_{\bar{d}}^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
275	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^- \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
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267	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , 2014 , 113, 032001	7.4	30
266	Test of lepton universality using $b^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
265	Precision measurement of the mass and lifetime of the Λ_b^0 baryon. <i>Physical Review Letters</i> , 2014 , 113, 242002	7.4	26
264	Measurement of CP violation in $B_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	13
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261	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
260	Studies of beauty baryon decays to $D^0 p \pi^+$ and $\Lambda_b^0 h^+$ final states. <i>Physical Review D</i> , 2014 , 89,	4.9	25
259	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
258	Study of $\chi_{c1}(\text{b})$ meson production in $p p$ collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2014 , 74,	4.2	33
257	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
256	Search for CP violation in $D^0 \rightarrow K^0 S^+ K^-$ and $D^0 \rightarrow K^0 S^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
255	First observations of the rare decays $B^+ \rightarrow K^+ \pi^+ \pi^-$ and $B^+ \rightarrow \pi^+ K^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7

254	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
253	Measurement of the CKM angle Γ using $B \rightarrow DK$ with $D \rightarrow K^0 S \pm \bar{K}^0 S K + K \pm$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
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251	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
250	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
249	A study of CP violation in $B \rightarrow DK$ and $B \rightarrow D$ decays with $D \rightarrow KS^0 K^0$ final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 36-45	4.2	12
248	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
247	Differential branching fraction and angular analysis of the decay ($B_s^0 \rightarrow \tau^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
246	Search for CP violation in $D^+ \rightarrow \tau^+ \nu$ and ($D_s^+ \rightarrow K_S^0 \pi^+$) decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
245	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	48
244	Production of J/ψ and (Υ) mesons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
243	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
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241	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
240	Measurement of CP observables in $B^0 \rightarrow DK^*$ with $D \rightarrow K + K$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	6
239	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
238	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \tau^+ \nu$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
237	First evidence for the annihilation decay mode $\{B^+\} \rightarrow D_s^+ \phi$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13

236	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
235	Measurement of the forward energy flow in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2421	4.2	17
234	Measurements of the branching fractions of [Formula: see text] decays. <i>European Physical Journal C</i> , 2013 , 73, 2462	4.2	19
233	Search for $D(s)^{+} \rightarrow \mu^{\pm} \tau^{\pm}$ and $D(s)^{+} \rightarrow \mu^{\pm} \mu^{\pm}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 203-212	4.2	30
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231	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
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229	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
228	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
227	Measurement of the relative rate of prompt τ^0 , τ^1 and τ^2 production at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	31
226	First evidence for the two-body charmless baryonic decay $\{B^0\} \rightarrow \overline{p} \{p\}$. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	7
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224	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
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221	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
220	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
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217	Measurement of ρ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
216	Observation of the decay ($B_c^{++} \rightarrow J/\psi + K^+$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	20
215	First observation of the decay ($B_s^0 \rightarrow \overline{K}^* \pi^0$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
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212	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
211	Search for the rare decay ($K_{\text{S}}^0 \rightarrow \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
210	A study of the Z production cross-section in pp collisions at ($\sqrt{s}=7, \text{TeV}$) using tau final states. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	13
209	Measurement of the ratio of branching fractions $B(B^0 \rightarrow K^* \pi) / B(B_s^0 \rightarrow \pi^0 \pi^0)$ and the direct CP asymmetry in $B^0 \rightarrow K^* \pi$. <i>Nuclear Physics B</i> , 2013 , 867, 1-18	2.8	29
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203	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
202	Measurements of the $B^0 \rightarrow J/\psi \pi^0$ decay amplitudes and the B^0 polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
201	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

200	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013 , 43, 3-18	2.4	389
199	Search for the rare decay $D^0 \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 15-24	4.2	23
198	Measurement of the differential branching fraction of the decay $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 25-35	4.2	29
197	Evidence for the decay $B^0 \rightarrow J/\psi \pi^0$ and measurement of the relative branching fractions of B_s^0 meson decays to $J/\psi \pi^0$ and $J/\psi \pi^+$. <i>Nuclear Physics B</i> , 2013 , 867, 547-566	2.8	25
196	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
195	Observation of $B \rightarrow \mu^+ \mu^-$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
194	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
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191	2013 ,		15
190	Precision measurement of the B_s^0 oscillation frequency with the decay $B_s^0 \rightarrow D \mu^+ \mu^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
189	Exclusive $J/\psi \pi^0$ 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
188	Search for the lepton-flavor-violating decays $B(s) \rightarrow e^+ \mu^- \pi^0$ and $B \rightarrow e^+ \mu^- \pi^0$. <i>Physical Review Letters</i> , 2013 , 111, 141801	7.4	25
187	Precision measurement of the $B(0)$ baryon lifetime. <i>Physical Review Letters</i> , 2013 , 111, 102003	7.4	32
186	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
185	Measurement of D^0 - \bar{D}^0 mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
184	First observations of $B \rightarrow D^+ D^0$ and $D^0 \bar{D}^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	19
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182	Measurement of the CP asymmetry in $B(+) \rightarrow K(+) \ell^+ \ell^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 151801	7.4	11
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180	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
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178	Analysis of the resonant components in $B^0 \rightarrow J/\psi K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
177	Observation of the decay $B(c)(+) \rightarrow B(s)(0)^0$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
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175	Measurement of the polarization amplitudes in $B0 \rightarrow J/\psi^*(892)0$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	15
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160	Measurement of the effective $B_{s0} \rightarrow K^0 K^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 349-356	4.2	16
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30	Measurement of elastic γ photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 437, 432-444	4.2	87
29	Measurement of the proton structure function F ₂ and at low and very low x at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 432-448	4.2	123
28	Measurement of inelastic J/ \bar{p} photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 76, 599-612		35
27	A search for excited fermions in e + p collisions at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 76, 631-646		11
26	Measurement of elastic J/ \bar{p} photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 75, 215-228		49
25	Differential cross sections of photoproduction in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 192-206	4.2	19
24	Observation of isolated high-ET photons in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 201-216	4.2	25
23	Measurement of the proton structure function F ₂ at low x and low Q ² at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 69, 607-620		87
22	Measurement of the diffractive cross section in deep inelastic scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 70, 391-412		28
21	Study of charged-current ep interactions at Q ² > 200 GeV ² with the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 47-64		18

20	Rapidity gaps between jets in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 369, 55-68	4.2	51
19	Measurement of elastic \bar{p} photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 259-272	4.2	73
18	Measurement of the reaction in deep inelastic e+p scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 220-234	4.2	36
17	Inclusive jet differential cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 342, 417-432	4.2	32
16	Extraction of the gluon density of the proton at x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 576-588	4.2	69
15	Observation of hard scattering in photoproduction events with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 399-414	4.2	23
14	Study of $D^*(2010)^0$ production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 349, 225-237	4.2	38
13	Dijet cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 348, 665-680	4.2	65
12	Measurement of the cross section for the reaction $\bar{p} \rightarrow J/\psi$ with the ZEUS detector at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 120-134	4.2	75
11	Study of the photon remnant in resolved photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 354, 163-177	4.2	28
10	Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 129-146	4.2	53
9	Exclusive γ^0 production in deep inelastic electron-proton scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 601-616	4.2	65
8	Measurement of \bar{p} s from jet rates in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 201-216	4.2	24
7	Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 93-107		29
6	A search for excited fermions in electron-proton collisions at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 627-647		12
5	Measurement of charged and neutral current e-p deep inelastic scattering cross sections at high Q^2 . <i>Physical Review Letters</i> , 1995 , 75, 1006-1011	7.4	30
4	Measurement of elastic \bar{p} photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 39-54		2
3	Measurement of the proton structure function F_2 at low x and low Q^2 at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 607-620		3

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1	Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 228-243	4.2	62