

# Tomasz Fiutowski

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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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.

423 papers	10,631 citations	47 h-index	87 g-index
455 ext. papers	13,581 ext. citations	5 avg, IF	5.98 L-index

#	Paper	IF	Citations
423	HGCROC3: the front-end readout ASIC for the CMS High Granularity Calorimeter. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, C03015	1	0
422	First measurement of the (C)P-violating phase in $(\{B\}^0_{\{s\}} \rightarrow \{J/\psi\} \{0\} \rightarrow (e^+e^-)(\phi))$ decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
421	Observation of a $(\{\varLambda_b^0\} \rightarrow \overline{\{\varLambda_b^0\}})$ production asymmetry in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
420	Measurement of the CKM angle $\arg(-\{B\}_s^0 \rightarrow \overline{\{B\}_s^0})$ mixing frequency with $(\{B\}_s^0 \rightarrow \{D\}_s^{\pm} \{h\}^{\pm} \{p\}^{\mp} \{p\}^{\mp} \{p\}^{\mp} \{p\}^{\mp})$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
419	Observation of the $(\{B\}_s^0) \rightarrow \Phi^0 D^0$ decay. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
418	Search for heavy neutral leptons in $(W^+ \rightarrow \mu^+ \mu^{\pm} \text{jet})$ decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
417	Observation of CP violation in two-body $(\{B\}_s^0)$ -meson decays to charged pions and kaons. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
416	Measurement of CP observables in $B \rightarrow \Phi^0 K^0$ and $B \rightarrow \Phi^0 \pi^0$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
415	Search for the rare decay $B^0 \rightarrow e/\mu^* \pi^0$ . <i>Chinese Physics C</i> , <b>2021</b> , 45, 043001	2.2	1
414	Measurement of the branching fraction of the $(\{B\}^0 \rightarrow \{D\}^+ \{s\} \{ \pi^- \})$ decay. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
413	The potential of $(\varLambda_b)$ and $(\varLambda_c)$ studies with PANDA at FAIR. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	2
412	Study of excited $(\varLambda_c)$ baryons with the (PANDA) detector. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	
411	Observation of the decay $(\{\Lambda_b\}^0) \rightarrow \pi^0 p$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
410	Searches for 25 rare and forbidden decays of $D^+$ and $(\{D\}_s^+)$ mesons. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
409	PANDA Phase One. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	10
408	Angular analysis of $(\{B\}^0 \rightarrow \{D\}^{\pm} \{D\}_s^{\pm})$ with $(\{D\}_s^{\pm} \rightarrow \{D\}_s^{\pm} \gamma)$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	
407	Search for CP violation in $(\{D\}_s^+ \rightarrow \{h\}^+ \{ \pi^0 \})$ and $(\{D\}_s^+ \rightarrow \{h\}^+ \eta)$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1

406	Study of $(\mathrm{B}_{\mathrm{s}}^0 \rightarrow \ell^+ \ell^- \mathrm{K}^0)$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
405	Measurement of differential $(\overline{\mathrm{b}} \rightarrow \mathrm{c})$ -dijet cross-sections in the forward region of pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
404	Measurement of the CKM angle $\phi_1$ in $\mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{D}^0 \mathrm{K}^0$ and $\mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{D}^0 \pi^0$ decays with $\mathrm{D}^0 \rightarrow \ell^+ \ell^- \mathrm{K}^0$ ( $\ell = \mathrm{e}, \mu$ ). <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
403	Search for long-lived particles decaying to $(\mathrm{e}^+ \mu^-)$ ( $\mu^+ \mu^-$ ) ( $\nu \bar{\nu}$ ). <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
402	Search for the doubly charmed baryon $\Xi_{\mathrm{cc}}$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	0
401	Conceptual design report for the LUXE experiment. <i>European Physical Journal: Special Topics</i> , <b>2021</b> , 230, 2445	2.3	14
400	Feasibility studies for the measurement of time-like proton electromagnetic form factors from $(\bar{\mathrm{p}} \mathrm{p} \rightarrow \mu^+ \mu^-)$ at $(\overline{\text{P}}) \text{ ANDA}$ at FAIR. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	3
399	Search for the Rare Decays $\mathrm{B}_{\mathrm{s}}^0 \rightarrow \mathrm{e}^+ \mathrm{e}^-$ and $\mathrm{B}^0 \rightarrow \mathrm{e}^+ \mathrm{e}^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 211802	7.4	4
398	Test of lepton universality with $(\Lambda_{\mathrm{b}}^0 \rightarrow \mathrm{p} \mathrm{K}^0 \ell^+ \ell^-)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12
397	Observation of New $\Xi_{\mathrm{c}}^0$ Baryons Decaying to $\Xi_{\mathrm{c}}^+ \mathrm{K}^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 222001	7.4	10
396	First Observation of Excited $\Xi_{\mathrm{b}}^0$ States. <i>Physical Review Letters</i> , <b>2020</b> , 124, 082002	7.4	18
395	Measurement of the $(\Lambda_{\mathrm{b}}^0 \rightarrow \ell^+ \ell^-)$ angular distribution and the $(\Lambda_{\mathrm{b}}^0)$ polarisation in pp collisions. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
394	Measurement of CP observables in $\mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{D}^0 \mathrm{K}^0$ and $\mathrm{B}_{\mathrm{d}}^0 \rightarrow \mathrm{D}^0 \pi^0$ with $\mathrm{D}^0 \rightarrow \ell^+ \ell^- \mathrm{K}^0$ ( $\ell = \mathrm{e}, \mu$ ) decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
393	Precision measurement of the $(\chi_{\mathrm{cc}}^{++})$ mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	11
392	Measurement of $\chi_{\mathrm{cc}}^{++}$ production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Chinese Physics C</i> , <b>2020</b> , 44, 022001	2.2	4
391	Amplitude analysis of the $\mathrm{B}^+ \rightarrow \pi^+ \pi^0$ decay. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	19
390	Observation of Several Sources of CP Violation in $\mathrm{B}^+ \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 031801	7.4	18
389	Measurement of $\psi(2\mathrm{S})$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ and $13 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2020</b> , 80,	4.2	4

388	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^{(*)} \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	6
387	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s} = 13)$ (, text {TeV}). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
386	Search for CP violation in $(\chi_{c1}^0 \rightarrow p \bar{K}^0 \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
385	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_\mu$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020,	5.4	1
384	Measurement of CP violation in $B^0 \rightarrow D^{*+} D^-$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
383	HGCROC-Si and HGCROC-SiPM: the front-end readout ASICs for the CMS HGCAL <b>2020</b> ,		1
382	Measurement of the shape of the $(B_s^0 \rightarrow D_s^{*-} \mu^+ \nu_\mu)$ differential decay rate. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
381	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using $(B^0 \rightarrow K^0 \pi^0)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
380	Observation of a new baryon state in the $(\Lambda_b^0 \rightarrow p \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
379	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	10
378	Search for the doubly heavy $(\Xi_{bc}^0)$ baryon via decays to $D^0 p K^0$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
377	Strong constraints on the $b \rightarrow s \gamma$ photon polarisation from $B^0 \rightarrow K^{*0} e^+ e^-$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4
376	Search for the doubly charmed baryon $(\Xi_{cc}^+)$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	13
375	Modelling of vignetting effects in full-field X-ray fluorescence imaging system based on pinhole optics. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2020</b> , 171, 105934	3.1	1
374	Precision measurement of the $(B_c^+)$ meson mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
373	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	5
372	Isospin Amplitudes in $(B^0 \rightarrow \pi^+ \pi^-)$ and $(B^0 \rightarrow \pi^0 \pi^0)$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 111802	7.4	2
371	Measurement of $f_s/f_u$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , <b>2020</b> , 124, 122002	7.4	7

370	Study of the $\Xi(3823)$ and $\Xi(3872)$ states in $B^+ \rightarrow \Xi/\Xi^* K^+$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	15
369	Search for $A^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041801	7.4	60
368	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	26
367	Measurement of the relative $B \rightarrow D^0/D^{*0}$ branching fractions using $B \rightarrow \pi$ mesons from $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
366	Measurement of CP observables in the process $B^0 \rightarrow D^0 K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
365	Search for the rare decay $(\{B^+\} \rightarrow \mu^+ \mu^- \mu^+ \mu^-)$ . <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	8
364	Measurement of the CP-violating phase $\gamma$ from $B_s^0 \rightarrow \pi^0 \pi^0$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134789	4.2	2
363	Observation of the $(\Lambda_b^0 \rightarrow \chi_{c1})$ (3872) $pK$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
362	Measurement of the Charm-Mixing Parameter $y_{CP}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 011802	7.4	8
361	Search for CP Violation in $D_{s1}^+ \rightarrow \pi^0 \pi^+$ , $D^+ \rightarrow \pi^0 K^+$ , and $D^+ \rightarrow \pi^+ \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191803	7.4	2
360	Observation of $B_{(s)}^0 \rightarrow \pi^0 \pi^0$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191804	7.4	4
359	Measurement of $B^+$ , $B^0$ and $\bar{B}^0$ production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	12
358	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 211803	7.4	51
357	Observation of a Narrow Pentaquark State, $P_c(4312)^+$ , and of the Two-Peak Structure of the $P_c(4450)^+$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 222001	7.4	199
356	Observation of an Excited $B_c^+$ State. <i>Physical Review Letters</i> , <b>2019</b> , 122, 232001	7.4	18
355	Search for Lepton-Universality Violation in $B^+ \rightarrow \ell^+ \pi^0 \pi^+$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191801	7.4	137
354	Observation of the doubly Cabibbo-suppressed decay $B^+ \rightarrow c^- \bar{c}^0$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
353	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152002	7.4	13

352	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
351	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132002	7.4	17
350	Precision resonance energy scans with the PANDA experiment at FAIR. <i>European Physical Journal A</i> , <b>2019</b> , 55, 1	2.5	21
349	Measurement of the mass and production rate of $\Lambda_b$ baryons. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	9
348	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+ \pi^-$ , $D^+ \rightarrow K^+ K^+ \pi^0$ and $D^+ \rightarrow K^+ K^+ \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019,	5.4	3
347	Study of the $B^0 \rightarrow \pi^+ \pi^- K^{*0}(892)$ decay with an amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
346	Measurement of the ratio of branching fractions of the decays $\Lambda_b \rightarrow p \pi^- \pi^0$ and $\Lambda_b \rightarrow p \pi^- \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
345	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
344	Precision measurement of the $\Lambda_b$ , $\Lambda_c$ , and $\Lambda_c^0$ baryon lifetimes. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	14
343	Performance and Molière radius measurements using a compact prototype of LumiCal in an electron test beam. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	4
342	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
341	First Observation of the Radiative Decay $\Lambda_b^0 \rightarrow \Lambda^0 \gamma$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 031801	7.4	7
340	Measurement of the branching fraction and (C)P asymmetry in $(\{B^+ \} \rightarrow \{J/\psi\} \{ \rho^+ \} )$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	1
339	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2019</b> , 122, 231802	7.4	39
338	Near-threshold $(\overline{D}^0 \rightarrow D^0 \pi^+ \pi^-)$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	16
337	Amplitude analysis of the $(B_{(s)}^0 \rightarrow K^+ K^- \pi^0)$ decays and measurement of the branching fraction of the $(B^0 \rightarrow K^+ K^- \pi^0)$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	3
336	Observation of New Resonances in the $\Lambda_b^0 \rightarrow \Lambda^0 \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , <b>2019</b> , 123, 152001	7.4	22
335	Updated measurement of time-dependent (CP)-violating observables in $(\{B^0_{(s)}\} \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7

334	Measurements of CP asymmetries in charmless four-body ( $\Lambda^0_b$ ) and ( $\Xi^0_b$ ) decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	6
333	Prompt $\bar{D}^0$ production in pPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
332	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P11023-P11023	1	3
331	A search for ( $\Xi^0_{\mathrm{cc}}\rangle^{++})\rightarrow pK^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
330	Measurement of CP violation in the ( $B^0\rightarrow\phi\phi$ ) decay and search for the $B^0\rightarrow\pi^0\pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	0
329	Measurement of the $B_c$ meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	4
328	Search for the Lepton-Flavor-Violating Decays $B^0\rightarrow\mu^+\mu^-$ and $B^0\rightarrow\mu^+\mu^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 211801	7.4	13
327	Search for Lepton-Flavor Violating Decays $B^0\rightarrow\mu^+\mu^-e^+e^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 241802	7.4	8
326	Measurement of CP-Violating and Mixing-Induced Observables in $B^0\rightarrow\pi^0\pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 081802	7.4	2
325	Amplitude Analysis of $B^0\rightarrow\pi^0\pi^0K^+K^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231802	7.4	14
324	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 232001	7.4	3
323	Observation of Two Resonances in the $B^0\rightarrow\pi^0\pi^0$ Systems and Precise Measurement of $B^0\rightarrow\pi^0\pi^0$ and $B^0\rightarrow\pi^+\pi^-$ Properties. <i>Physical Review Letters</i> , <b>2019</b> , 122, 012001	7.4	29
322	Technical design report for the $\overline{\mathrm{P}}\mathrm{ANDA}$ Barrel DIRC detector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2019</b> , 46, 045001	2.9	17
321	Readout Electronics and Data Acquisition for Gaseous Tracking Detectors. <i>IEEE Transactions on Nuclear Science</i> , <b>2018</b> , 65, 821-827	1.7	2
320	Search for excited $B^0$ + c states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
319	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 061801	7.4	75
318	First observation of forward $Z\rightarrow\mu^+\mu^-$ production in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 430-439	4.2	1
317	Measurement of CP observables in $B^0\rightarrow\pi^0\pi^0$ and $B^0\rightarrow\pi^+\pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 16-30	4.2	10



316	A measurement of the CP asymmetry difference between $\Lambda_c^+ \rightarrow \phi K^0 K^+$ and $p \Lambda$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	9
315	Measurement of shower development and its Molière radius with a four-plane LumiCal test set-up. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	5
314	Measurement of CP asymmetry in $B^0 \rightarrow \phi \pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
313	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
312	First measurement of the CP-violating phase ( $\phi_s^{\overline{d}}$ ) in $B^0 \rightarrow \phi K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
311	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \phi \pi^0$ branching fraction using three-prong $\pi$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	106
310	Measurement of the Ratio of the $B^0 \rightarrow \phi^{*-} \pi^+ \pi^0$ and $B^0 \rightarrow \phi^{*-} \pi^+ \pi^0$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , <b>2018</b> , 120, 171802	7.4	126
309	Measurement of the Ratio of Branching Fractions $B(B_c^{*+} \rightarrow \phi \pi^+ \pi^0)/B(B_c^{*+} \rightarrow \phi \pi^+ \pi^0)$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 121801	7.4	109
308	Search for $B_c^+$ decays to two charm mesons. <i>Nuclear Physics B</i> , <b>2018</b> , 930, 563-582	2.8	4
307	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 052002	7.4	44
306	Pressure stabilized straw tube modules for the PANDA Forward Tracker. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P06009-P06009	1	5
305	Measurement of branching fractions of charmless four-body $\Xi_b$ and $\Xi_b$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
304	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 784, 101-111	4.2	7
303	Observation of a New $\Xi_b^0$ Resonance. <i>Physical Review Letters</i> , <b>2018</b> , 121, 072002	7.4	50
302	Evidence for the Rare Decay $\Xi_c^+ \rightarrow \rho^0 \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221803	7.4	8
301	Central exclusive production of $J/\psi$ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	13
300	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> , <b>2018</b> , 2018, 1	5.4	4
299	Study of $\eta$ production in pPb collisions at ( $\sqrt{s_{\text{NN}}}$ )=8.16 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8



298	Search for beautiful tetraquarks in the $\Upsilon(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
297	<b>2018</b> ,		2
296	Search for CP violation in $B^0 \rightarrow \rho^+ K^-$ and $B^0 \rightarrow \rho^- K^+$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 787, 124-133	4.2	9
295	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4.2	3
294	Evidence for an resonance in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1019	4.2	26
293	Observation of the decay $B_s^0 \rightarrow D^+ K^-$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	6
292	Observation of $B_s^0 \rightarrow D^+ K^-$ and search for $B^0 \rightarrow D^+ K^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
291	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 222001	7.4	22
290	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
289	Measurement of $\Upsilon$ production in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
288	Measurement of forward top pair production in the dilepton channel in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
287	Observation of the decay ( $\overline{B}_s^0 \rightarrow \chi_{c2}^0 K^+ K^-$ ) in the $\Upsilon$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	0
286	Search for a dimuon resonance in the $\Upsilon$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
285	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
284	Angular moments of the decay $B^0 \rightarrow \rho^+ K^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
283	Measurement of $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
282	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \Lambda^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 162002	7.4	54
281	Measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow D^+ K^-$ with $D \rightarrow \pi^+ \pi^- K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9

280	Measurement of $D^0$ s production asymmetry in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
279	Measurement of Angular and CP Asymmetries in $D^{*0} \rightarrow B^+ \pi^- \pi^+ \pi^-$ and $D^{*0} \rightarrow K^+ K^- \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2018</b> , 121, 091801	7.4	8
278	Measurement of the $\Lambda_c^0$ Baryon Lifetime. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092003	7.4	12
277	Evidence for the decay ( $B_S^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$ ). <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
276	Measurement of CP asymmetries in two-body B(s)0-meson decays to charged pions and kaons. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	13
275	Observation of the decay $D^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
274	Measurement of the CP asymmetry in $B^0 \rightarrow D^+ D^-$ and $B^0 \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	1
273	Search for CP violation using triple product asymmetries in $D^0 \rightarrow \pi^+ \pi^- \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
272	Updated determination of $D^0 \rightarrow \pi^+ \pi^-$ mixing and CP violation parameters with $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	11
271	Search for the rare decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	9
270	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	5
269	First observation of $B^+ \rightarrow \pi^+ K^+ K^-$ decays and a search for $B^+ \rightarrow \pi^+ s^+ ?$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
268	Measurements of the branching fractions of $B^0 \rightarrow \pi^+ \pi^-$ , $B^0 \rightarrow \pi^+ K^-$ , and $B^0 \rightarrow \pi^+ K^0$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	8
267	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
266	Amplitude Analysis of the Decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and First Observation of the CP Asymmetry in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 261801	7.4	7
265	Search for the CP-violating strong decays $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 233-240	4.2	7
264	Search for the suppressed decays $B^+ \rightarrow \pi^+ K^+ K^-$ and $B^+ \rightarrow \pi^+ K^0 K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 307-316	4.2	8
263	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , <b>2017</b> , 13, 391-396	6.2	45

262	Amplitude analysis of $B \rightarrow \pi^0 K^+$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	56
261	Observation of $J/\psi$ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \pi^0 K^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 022003	7.4	98
260	Observation of the Annihilation Decay Mode $B^0 \rightarrow \pi^+ \pi^- K^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 081801	7.4	18
259	First Experimental Study of Photon Polarization in Radiative $B_{\text{s}}^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021801	7.4	16
258	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> , <b>2017</b> , 767, 110-120	4.2	4
257	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> , <b>2017</b> , 95,	4.9	17
256	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2017</b> , 118, 052002	7.4	36
255	Integrated input protection against discharges for Micro Pattern Gas Detectors readout ASICs. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C02021-C02021	1	1
254	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \pi^0 \pi^0$ decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 161	4.2	25
253	Study of the $D^0 \rightarrow \pi^0 \pi^0$ amplitude in $B \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	33
252	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 224	4.2	35
251	Observation of $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^-$ decays. <i>European Physical Journal C</i> , <b>2017</b> , 77, 72	4.2	4
250	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 177-187	4.2	11
249	Observation of the Decay $B^0 \rightarrow \pi^+ \pi^- K^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 071801	7.4	7
248	Search for long-lived scalar particles in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	48
247	Study of prompt $D^0$ meson production in pPb collisions at $(\sqrt{s_{\text{NN}}}=5\text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
246	Prompt and nonprompt $J/\psi$ 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> , <b>2017</b> , 774, 159-178	4.2	26
245	Observation of charmless baryonic decays $B(s)^0 \rightarrow p \pi^0 h$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	5

244	Study of charmonium production in $\pi$ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 609	4.2	10
243	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 678	4.2	7
242	Observation of $B_c \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
241	Measurements of charm mixing and CP violation using $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
240	Measurement of the $B^0$ production asymmetry and the CP asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	6
239	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^+$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
238	Performance of a GEM detector with copper-less foils. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P09020-P09020	4.2	2
237	Search for the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	1
236	Observation of the decay $B^0 \rightarrow \pi^0 \pi^0$ and a search for CP violation. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	5
235	Measurement of $B_{\pi^0}$ and $D_{\pi^0}$ Meson Lifetimes. <i>Physical Review Letters</i> , <b>2017</b> , 119, 101801	7.4	10
234	Observation of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 112001	7.4	257
233	Measurement of the CP Violation Parameter $A_{FB}^{\pi^0}$ in $D^0 \rightarrow \pi^0 K^0$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 261803	7.4	11
232	Observation of $B_{\pi^0}^0 \rightarrow \pi^0 K^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 111803	7.4	13
231	Observation of Five New Narrow $\Xi_{cc}^0$ States Decaying to $\Xi_{cc}^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 182001	7.4	154
230	Measurement of CP asymmetries in $D^0 \rightarrow \pi^0 \pi^0$ and $D_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 21-30	4.2	6
229	Observation of $\psi(2S) \rightarrow \pi^0 \pi^0$ and search for $X(3872) \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 305-313	4.2	16
228	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ Decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 265-273	4.2	15
227	Measurement of the $B_{\pi^0}^0 \rightarrow \pi^0 \pi^0$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 191801	7.4	106

226	Study of $J/\psi$ Production in Jets. <i>Physical Review Letters</i> , <b>2017</b> , 118, 192001	7.4	20
225	Observation of the Decays $\bar{B}^0 \rightarrow \bar{B}^0 c1 p K^+$ and $\bar{B}^0 \rightarrow \bar{B}^0 c2 p K^+$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 062001	7.4	22
224	Observation of the $B^+ \rightarrow D^+ K^0$ decay. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	2
223	Feasibility study for the measurement of $\bar{B}^0$ transition distribution amplitudes at PANDA in $p\bar{p} \rightarrow \bar{B}^0$ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	12
222	Search for the Decays $B_{(s)}^0 \rightarrow B^+ \pi^-$ and $B^0 \rightarrow B^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 251802	7.4	40
221	Measurement of the shape of the $B^0 \rightarrow \pi^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	23
220	Observation of the suppressed decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
219	Test of lepton universality with $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	298
218	$\bar{B}^0 \rightarrow \pi^0 \pi^0$ and $\bar{B}^0 \rightarrow \pi^0 \pi^0$ Resonance Parameters with the Decays $\bar{B}^0 \rightarrow \pi^0 \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 221801	7.4	8
217	Observation of $D^0$ Meson Decays to $\pi^+ \pi^- \pi^0$ and $K^+ K^- \pi^0$ Final States. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181805	7.4	14
216	Search for Baryon-Number Violating $\bar{B}^0 \rightarrow \pi^0 \pi^0$ Oscillations. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181807	7.4	1
215	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
214	New algorithms for identifying the flavour of $[B^0]$ mesons using pions and protons. <i>European Physical Journal C</i> , <b>2017</b> , 77, 238	4.2	4
213	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=5$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	16
212	Search for CP violation in the phase space of $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 345-356	4.2	7
211	Evidence for the two-body charmless baryonic decay $(\bar{B}^0 \rightarrow \bar{\Lambda}^0 \pi^0)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
210	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow \bar{p} p$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 232001	7.4	4
209	Resonances and CP violation in $B^0 \rightarrow \pi^0 \pi^0$ and $(\bar{B}^0 \rightarrow \pi^0 \pi^0)$ decays in the mass region above the $\eta(1020)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13

208	Study of $(\overline{b}b)$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	5
207	Measurement of CP observables in $B \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	4
206	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> , <b>2017</b> , 774, 139-158	4-2	10
205	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^- S^0$ and $B^0 \rightarrow \pi^+ \pi^- K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5-4	2
204	First Observation of a Baryonic $B_{\{s\}}^0$ Decay. <i>Physical Review Letters</i> , <b>2017</b> , 119, 041802	7-4	10
203	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2017</b> , 77, 812	4-2	23
202	Updated branching fraction measurements of $B(s)^0 \rightarrow K^0 h^+ h^-$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5-4	4
201	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
200	Observation of the decay $B_s^0 \rightarrow \pi^+ \pi^-$ and evidence for $B_s^0 \rightarrow \pi^+ \pi^- \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5-4	6
199	8-channel prototype of SALT readout ASIC for Upstream Tracker in the upgraded LHCb experiment. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C02007-C02007	1	0
198	Higgs physics at the CLIC electron-positron linear collider. <i>European Physical Journal C</i> , <b>2017</b> , 77, 475	4-2	76
197	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	3
196	Measurement of the $B \rightarrow \pi$ production cross-section in pp collisions at $s = 7 \text{ TeV}$ and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5-4	8
195	Measurement of the $Y(nS)$ polarizations in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	6
194	Design of the forward straw tube tracker for the PANDA experiment. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C06032-C06032	1	8
193	Measurement of the CP Asymmetry in $B_{\{s\}}^0 \rightarrow B_{\{s\}}^0$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 117, 061803	7-4	18
192	Model-Independent Evidence for $J/\psi$ Contributions to $B_{\{b\}}^0 \rightarrow \pi^0 \pi^0 K^{\pm}$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082002	7-4	85
191	Evidence for Exotic Hadron Contributions to $B_{\{b\}}^0 \rightarrow \pi^0 \pi^0 \pi^{\pm}$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082003	7-4	91

190	Studies of the resonance structure in $D^0 \rightarrow K^0 K^0$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	13
189	Measurement of the mass and lifetime of the $\Lambda_b$ baryon. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
188	First Observation of $D^0$ - $\overline{D}^0$ Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^+$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241801	7.4	16
187	First observation of the rare $B^+ \rightarrow K^+ \pi^0$ decay. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
186	Measurement of the $B_s^0 \rightarrow D_s^+ D_s^-$ branching fractions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
185	Constraints on the unitarity triangle angle $\Gamma$ from Dalitz plot analysis of $B^0 \rightarrow K^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
184	Observation of $B_{s1}^0 \rightarrow \overline{D}^0 K_{S1}^0$ and Evidence for $B_{s1}^0 \rightarrow \overline{D}^0 K_{S1}^0$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 161802	7.4	5
183	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 191601	7.4	25
182	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}$ Mixing. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241601	7.4	22
181	Search for Structure in the $B_{s1}^0 \rightarrow \pi^0 \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , <b>2016</b> , 117, 152003	7.4	64
180	Front-end electronics for Micro Pattern Gas Detectors with integrated input protection against discharges. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C01036-C01036	1	1
179	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^{*0} \pi^0$ in the $K^{*0}(1430)^0$ region. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
178	Development of a dedicated front-end electronics for straw tube trackers in the PANDA experiment. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P08009-P08009	1	8
177	Feasibility studies of time-like proton electromagnetic form factors at (P)ANDA at FAIR. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1	2.5	22
176	Study of $D^*(*) + sJ$ mesons decaying to $D^* + K^0$ and $D^0 K^+$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
175	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	34
174	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5.06$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
173	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	11



172	Measurements of prompt charm production cross-sections in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	65
171	First observation of the decay $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	3
170	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
169	First observation of the decay $D^0 \rightarrow \pi^+ \pi^- \pi^0$ in the $\pi^+ \pi^-$ region of the dimuon mass spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 558-567	4-2	10
168	SALT, a dedicated readout chip for high precision tracking silicon strip detectors at the LHCb Upgrade. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C02028-C02028	1	9
167	Development of a low power Delay-Locked Loop in two 130 nm CMOS technologies. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C02027-C02027	1	2
166	Angular analysis of the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decay using 3 fb $^{-1}$ of integrated luminosity. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	232
165	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , <b>2016</b> , 76, 412	4-2	6
164	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , <b>2016</b> , 76, 664	4-2	16
163	Observations of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays and searches for other $B^0$ and $B^0$ decays to $\pi^+ \pi^-$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	17
162	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	8
161	Observation of $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- \bar{K}^0$ decays and a measurement of the $B^0$ baryon mass. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	15
160	Measurement of the properties of the $B^0$ baryon. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5-4	15
159	Production of associated Y and open charm hadrons in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	25
158	Measurement of the CKM angle $\alpha_s$ using $B^0 \rightarrow \pi^+ \pi^- K^0$ with $D \rightarrow \pi^+ \pi^- K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5-4	6
157	Measurement of the forward Z boson production cross-section in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	13
156	Measurement of the ratio of branching fractions ( $\frac{\mathcal{B}(\text{B} \rightarrow \text{J}/\psi \text{K})}{\mathcal{B}(\text{B} \rightarrow \text{J}/\psi \text{K}^*)}$ ). <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
155	Measurement of forward W and Z production in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	8

154	Measurement of the CKM angle $\Gamma$ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	23
153	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \pi^+ \pi^- (892)^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	48
152	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , <b>2016</b> , 40, 011001	2.2	65
151	A new algorithm for identifying the flavour of B0 mesons at LHCb. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05010-P05010	1	10
150	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	45
149	Study of $B_c^+$ decays to the $K^+ K^0$ final state and evidence for the decay $B_c^+ \rightarrow B^0 \pi^+$ . <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	17
148	Application of GEM-based detectors in full-field XRF imaging. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C12025-C12025		
147	Measurement of CP Violation in $B^0 \rightarrow \pi^+ \pi^- D^0$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 261801	7.4	6
146	Measurement of the $B_s^0$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 484-492	4.2	4
145	Search for the lepton-flavour violating decay $D^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 167-175	4.2	14
144	Model-independent measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow \pi^+ \pi^- K^0$ decays with $D \rightarrow \pi^+ \pi^-$ and $K \rightarrow \pi^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	6
143	Study of doubly strange systems using stored antiprotons. <i>Nuclear Physics A</i> , <b>2016</b> , 954, 323-340	1.3	11
142	First study of the CP-violating phase and decay-width difference in $B_s^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 253-262	4.2	13
141	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> , <b>2016</b> , 762, 473-483	4.2	32
140	Search for $B_c^+$ decays to the $p \pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 313-321	4.2	10
139	Observation of the $B^0 \rightarrow \pi^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 282-292	4.2	12
138	Ultra-Low Power Fast Multi-Channel 10-Bit ADC ASIC for Readout of Particle Physics Detectors. <i>IEEE Transactions on Nuclear Science</i> , <b>2016</b> , 63, 2622-2631	1.7	4
137	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 117-131	4.2	16

136	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , <b>2015</b> , 11, 743-747	7.4	79
135	Determination of $ V_{ub} $ from charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 741, 1-11	4.2	9
134	Study of the rare $B_s^0$ and $B^0$ decays into the $\pi^0\pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 46-55	4.2	13
133	Measurement of the semileptonic CP asymmetry in $B^0$ - $\bar{B}^0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28
132	Precision measurement of CP violation in $B(S)(0) \rightarrow \pi^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
131	Measurement of $B_c^+$ Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 132001	7.4	35
130	LHCb detector performance. <i>International Journal of Modern Physics A</i> , <b>2015</b> , 30, 1530022	1.2	452
129	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2015</b> , 75, 152	4.2	26
128	Search for CP violation in $D^0 \rightarrow \pi^0 \pi^0$ decays with the energy test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 158-167	4.2	16
127	Study of $\pi^0$ mixing from measurement of $B(s) \rightarrow \pi^0 \ell^+ \ell^-$ decay rates. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	8
126	Measurement of the $Z+b$ -jet cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	7
125	Search for the lepton flavour violating decay $B \rightarrow \mu^+ \mu^- \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
124	Precise measurements of the properties of the $B(5721)^{0,+}$ and $B^*(5747)^{0,+}$ states and observation of $B^+, 0^+$ mass structures. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
123	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	14
122	Observation of the rare $B(s)(0) \rightarrow \pi^+ \pi^- \pi^0$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , <b>2015</b> , 522, 68-72	50.4	326
121	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P06013-P06013		32
120	Measurement of the $[B \rightarrow \pi \ell^+ \ell^-]$ production cross-section in proton-proton collisions via the decay $[B \rightarrow \pi \ell^+ \ell^-]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 311	4.2	41
119	Experimental access to Transition Distribution Amplitudes with the PANDA experiment at FAIR. <i>European Physical Journal A</i> , <b>2015</b> , 51, 1	2.5	21

118	Study of CP violation in $B^0 \rightarrow \bar{D} h^0$ ( $h=K, \pi$ ) with the modes $D \rightarrow K^0 \pi^0$ , $D \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^0 K^0$ . <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	13
117	Study of $B \rightarrow K \pi \pi$ and $B \rightarrow \pi \pi \pi$ decays and determination of the CKM angle $\alpha$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	4
116	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , <b>2015</b> , 115, 112001,	4.9	16
115	Evidence for the Strangeness-Changing Weak Decay $\bar{B} \rightarrow \bar{B}^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 241801	7.4	14
114	First observation and amplitude analysis of the $B \rightarrow K^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	30
113	Quantum numbers of the X(3872) state and orbital angular momentum in its $J/\psi$ decay. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	34
112	Amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	16
111	Dalitz plot analysis of $B^0 \rightarrow \bar{D}^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	53
110	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	17
109	Measurement of the branching fraction ratio $B(B_c^+ \rightarrow \bar{D}^0 S^0)/B(B_c^+ \rightarrow \bar{D}^0 \pi^0)$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	11
108	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	7
107	Model-independent confirmation of the Z(4430) state. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	25
106	Measurement of CP Violation in $B^0 \rightarrow \pi^0 K^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031601	7.4	22
105	Observation of the $B(s)(0) \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051801	7.4	7
104	Observation of $J/\psi$ Resonances Consistent with Pentaquark States in $\bar{B} \rightarrow \pi^0 \pi^0 \pi^0 p$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 072001	7.4	580
103	Measurement of the ratio of branching fractions $B(B \rightarrow \pi^0 \pi^0 \pi^0)/B(B \rightarrow \pi^0 \pi^0 \pi^0)$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 111803	7.4	316
102	Search for Hidden-Sector Bosons in $B(0) \rightarrow \pi^0 \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 161802	7.4	65
101	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P02007-P02007	4.9	37

100	Performance of fully instrumented detector planes of the forward calorimeter of a Linear Collider detector. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P05009-P05009	1	7
99	Position sensitive and energy dispersive x-ray detector based on silicon strip detector technology. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P04002-P04002	1	3
98	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P10005-P10005	1	5
97	Measurement of CP asymmetries and polarisation fractions in ( $\{B\}_s^0 \rightarrow \{K\}^{\ast 0} \overline{0} \{ \overline{K} \}^{\ast 0} \}$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	6
96	Measurement of the forward Z boson production cross-section in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	31
95	Search for the $\overline{D}^0 b \rightarrow \overline{D}^0 \overline{D}^0$ and $\overline{D}^0 b \rightarrow \overline{D}^0 \overline{D}^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	6
94	Measurement of the exclusive $\overline{D}^0$ production cross-section in pp collisions at ( $\sqrt{s}=7$ ) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	42
93	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction and search for the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	8
92	Forward production of $\overline{D}^0$ mesons in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	21
91	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow \overline{D}^0 D^0$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	22
90	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	4
89	First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	27
88	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	11
87	Measurement of CP violation parameters and polarisation fractions in ( $\{ \mathrm{B} \}_s^0 \rightarrow \mathrm{J}/\psi \{ \overline{\mathrm{K}} \}^{\ast 0} \}$ ) decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	12
86	Measurement of forward Z $\rightarrow e^+ e^-$ production at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	17
85	Differential branching fraction and angular analysis of $\overline{D}^0 b \rightarrow \overline{D}^0 \overline{D}^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	54
84	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5-4	9
83	Search for the decay ( $\{B\}_s^0 \rightarrow \{ \overline{D} \}^0 \{ f_0(980) \}$ ). <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	10

82	Measurement of forward J/ψ production cross-sections in pp collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	47
81	Observation of the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 484-494	4.2	12
80	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	138
79	Measurement of the inelastic pp cross-section at a centre-of-mass energy of ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	13
78	Angular analysis of the $B^0 \rightarrow \pi^0 \pi^0$ decay in the low- $q^2$ region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	20
77	Determination of the branching fractions of $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	5
76	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , <b>2015</b> , 75, 595	4.2	8
75	Development of front-end electronics for LumiCal detector in CMOS 130 nm technology. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, C01018-C01018	1	1
74	A wide range ultra-low power Phase-Locked Loop with automatic frequency setting in 130 nm CMOS technology for data serialisation. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P12015-P12015	1	1
73	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 468-478	4.2	9
72	A fast, ultra-low and frequency-scalable power consumption, 10-bit SAR ADC for particle physics detectors. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P11012-P11012	1	5
71	<b>2015,</b>		1
70	Measurement of the lifetime of the $B_c^+$ meson using the $B_c^+ \rightarrow \pi^0 \pi^0$ decay mode. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 29-37	4.2	25
69	Observation of two new $\Lambda_b^0$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
68	Measurement of the CP -violating phase $\phi_1$ in $B^0 \rightarrow \pi^0 \pi^0$ decays and limits on penguin effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 38-49	4.2	24
67	Measurement of the $\Lambda_b^0$ and $\Lambda_b^0$ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 154-162	4.2	10
66	Effective lifetime measurements in the $B_s^0 \rightarrow \pi^0 \pi^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 446-454	4.2	9
65	Measurement of the CP-violating phase $\phi_1$ in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 186-195	4.2	33



64	Evidence for the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2014</b> , 886, 665-680	2.8	79
63	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
62	Angular analysis of charged and neutral $B \rightarrow \pi \pi$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
61	Evidence for the decay $(\mathrm{B}_{\mathrm{c}}^+ \rightarrow \{\mathrm{J} \} \left/ \{\mathrm{u}\bar{\mathrm{u}}; 3\mathrm{u}\bar{\mathrm{u}}\} \right. \right)$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
60	Differential branching fractions and isospin asymmetries of $B \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	142
59	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	42
58	Study of $(\varphi)$ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	27
57	Observation of the $B \rightarrow \pi \pi$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
56	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	5
55	Study of the kinematic dependences of $B$ production in pp collisions and a measurement of the $B \rightarrow \pi^0 \pi^0$ branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
54	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	15
53	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2872	4.2	35
52	Observation of the resonant character of the Z(4430)(-) state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
51	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P12005-P12005	1	79
50	Development of scalable frequency and power Phase-Locked Loop in 130 nm CMOS technology. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C02006-C02006	1	1
49	Performance of a Micro-Strip Gas Chamber for event wise, high rate thermal neutron detection with accurate 2D position determination. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P12004-P12004	1	4
48	Measurement of the CP-violating phase $\phi_1$ in $B_s(0) \rightarrow D_s(+/-) D_s(-/+)$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 211801	7.4	17
47	Measurement of CP violation parameters in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11



46	Measurements of CP violation in the three-body phase space of charmless $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	47
45	Measurement of CP asymmetries in the decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^+ \rightarrow \pi^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5.4	15
44	A fast, low-power, 6-bit SAR ADC for readout of strip detectors in the LHCb Upgrade experiment. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P07006-P07006	1	4
43	Observation of $B_{\text{u}}^0 \rightarrow \pi^+ \pi^- \pi^0$ and evidence for $B_{\text{u}}^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123001	2.9	6
42	Measurement of CP violation and constraints on the CKM angle $\alpha$ in $B \rightarrow \pi \pi$ decays. <i>Nuclear Physics B</i> , <b>2014</b> , 888, 169-193	2.8	13
41	Measurement of the $B^0 \rightarrow B^0$ and $B^0 \rightarrow B^0$ production asymmetries in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 218-228	4.2	22
40	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , <b>2014</b> , 113, 082003	7.4	15
39	Evidence for CP violation in $B^+ \rightarrow \pi^0 p K^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141801	7.4	14
38	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7.4	24
37	Measurement of the $B^0 \rightarrow \pi^0$ meson lifetime in $D_s^+ \rightarrow \pi^0$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
36	Measurement of the resonant and CP components in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	52
35	Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 162001	7.4	61
34	Dalitz plot analysis of $B_s^0 \rightarrow \pi^0 \pi^0 K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	70
33	Precision measurement of the mass and lifetime of the $\Lambda_b(0)$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 032001	7.4	30
32	Test of lepton universality using $b^+ \rightarrow \pi^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
31	Precision measurement of the mass and lifetime of the $\Lambda_b^0$ baryon. <i>Physical Review Letters</i> , <b>2014</b> , 113, 242002	7.4	26
30	Measurement of CP violation in $B_s^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	13
29	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	21

28	Measurement of the ratio of $B_c^+$ branching fractions to $J/\psi$ and $J/\psi$ final states. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	23
27	Observation of charmonium pairs produced exclusively in $pp$ collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 115002	2.9	10
26	Study of $\Upsilon(4S) \rightarrow B^0 \bar{B}^0$ meson production in $pp$ collisions at $\sqrt{s} = 7$ and $8$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74,	4.2	33
25	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
24	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> , <b>2014</b> , 2014, 1	5.4	8
23	First observations of the rare decays $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^0$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	7
22	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
21	Measurement of the CKM angle $\phi_1$ using $B^0 \rightarrow D^+ K^-$ with $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	19
20	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	10
19	Measurement of the forward W boson cross-section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
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17	Technical design report for the (P)ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. <i>European Physical Journal A</i> , <b>2013</b> , 49, 1	2.5	60
16	X-ray fluorescence imaging system for fast mapping of pigment distributions in cultural heritage paintings. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, P10011-P10011	1	23
15	A compact system for two-dimensional readout of Gas Electron Multiplier detectors. <i>Journal of Instrumentation</i> , <b>2013</b> , 8, T01005-T01005	1	6
14	A 10-Bit Multichannel Digitizer ASIC for Detectors in Particle Physics Experiments. <i>IEEE Transactions on Nuclear Science</i> , <b>2012</b> , 59, 294-302	1.7	6
13	An FPGA based GEMROC readout system <b>2012</b> ,		1
12	One dimensional detector for X-ray diffraction with superior energy resolution based on silicon strip detector technology. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, P03002-P03002	1	1
11	A general purpose multichannel readout system for radiation detectors. <i>Journal of Instrumentation</i> , <b>2012</b> , 7, T01004-T01004	1	6

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9	A dual band-pass amplifier-filter circuit for simultaneous recording of spikes and local field potentials from live neuronal tissue using multielectrode arrays. <i>Microelectronics Journal</i> , <b>2011</b> , 42, 1305-1312	1.8	12
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