

# Tomasz Fiutowski

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8302697/tomasz-fiutowski-publications-by-citations.pdf>  
**Version:** 2024-04-05

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Observation of $J/\psi$ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \Lambda_c^+ \bar{K}^- p$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 072001	7.4	580
422	Test of lepton universality using $b \rightarrow c \ell \bar{\nu}_\ell$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151601	7.4	542
421	LHCb detector performance. <i>International Journal of Modern Physics A</i> , <b>2015</b> , 30, 1530022	1.2	452
420	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , <b>2015</b> , 522, 68-72	50.4	326
419	Measurement of the ratio of branching fractions $B(B \rightarrow \Lambda_c^+ \bar{D}^0 \pi^-) / B(B \rightarrow \Lambda_c^+ \bar{D}^0 \pi^0)$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 111803	7.4	316
418	Test of lepton universality with $B^0 \rightarrow \ell^+ \ell^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	298
417	Observation of the Doubly Charmed Baryon $\Lambda_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 112001	7.4	257
416	Observation of the resonant character of the $Z(4430)(-)$ state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 222002	7.4	234
415	Angular analysis of the $B^0 \rightarrow \ell^+ \ell^- \pi^0$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	232
414	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
413	Observation of Five New Narrow $\Lambda_c^0$ States Decaying to $\Lambda_c^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 182001	7.4	154
412	Differential branching fractions and isospin asymmetries of $B \rightarrow \ell^+ \ell^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	142
411	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \ell^+ \ell^- \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	138
410	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191801	7.4	137
409	Measurement of the Ratio of the $B^0 \rightarrow \ell^+ \ell^- \pi^0$ and $B^0 \rightarrow \ell^+ \ell^- \pi^+$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , <b>2018</b> , 120, 171802	7.4	126
408	Measurement of the Ratio of Branching Fractions $B(B_c^+ \rightarrow \ell^+ \pi^0) / B(B_c^+ \rightarrow \ell^+ \pi^+)$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 121801	7.4	109
407	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow \ell^+ \ell^- \pi^0$ branching fraction using three-prong decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	106

406	Measurement of the $B_{s^0} \rightarrow B^+ \pi^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow B^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 191801	7.4	106
405	Observation of $J/\psi$ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \psi K^+$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 022003	7.4	98
404	Evidence for Exotic Hadron Contributions to $\Lambda_b^0 \rightarrow \psi K^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082003	7.4	91
403	Model-Independent Evidence for $J/\psi$ Contributions to $\Lambda_b^0 \rightarrow \psi K^-$ Decays. <i>Physical Review Letters</i> , <b>2016</b> , 117, 082002	7.4	85
402	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P02007-P02007	7.4	87
401	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , <b>2015</b> , 11, 743-747	7.4	79
400	Evidence for the decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$ . <i>Nuclear Physics B</i> , <b>2014</b> , 886, 665-680	2.8	79
399	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P12005-P12005	1	79
398	Higgs physics at the CLIC electron-positron linear collider. <i>European Physical Journal C</i> , <b>2017</b> , 77, 475	4.2	76
397	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 061801	7.4	75
396	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	70
395	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
394	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^0(\pi^0) \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 161802	7.4	65
393	Study of the production of $\Lambda_b^0$ and $\Lambda_c^+$ hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , <b>2016</b> , 40, 011001	2.2	65
392	Search for Structure in the $B_{s^0} \rightarrow \pi^0 \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , <b>2016</b> , 117, 152003	7.4	64
391	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
390	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
389	Search for $A^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041801	7.4	60

388	Amplitude analysis of $B \rightarrow \pi K$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	56
387	Differential branching fraction and angular analysis of $B \rightarrow \pi \pi$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	54
386	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \pi^+$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 162002	7.4	54
385	Precision measurement of CP violation in $B(S)(0) \rightarrow \pi K$ decays. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041801	7.4	53
384	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	53
383	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
382	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 211803	7.4	51
381	Observation of a New $\Xi_b^0$ Resonance. <i>Physical Review Letters</i> , <b>2018</b> , 121, 072002	7.4	50
380	Search for long-lived scalar particles in $B \rightarrow K \pi \pi$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	48
379	Measurements of the S-wave fraction in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	48
378	Measurement of forward $J/\psi$ 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
377	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
376	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , <b>2017</b> , 13, 391-396.	6.2	45
375	Amplitude analysis of $B \rightarrow \pi \pi$ decays. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	45
374	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^{++}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 052002	7.4	44
373	Measurement of CP asymmetry in $D^0 \rightarrow \pi^+ K^-$ and $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	42
372	Measurement of the exclusive $J/\psi$ 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
371	Measurement of the [Formula: see text] production cross-section in proton-proton collisions via the decay [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 311	4.2	41

370	Search for the Decays $B_{s1}^0 \rightarrow B^+ \pi^-$ and $B^0 \rightarrow B^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 251802	7.4	40
369	N-XYTER, a CMOS read-out ASIC for high resolution time and amplitude measurements on high rate multi-channel counting mode neutron detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 568, 301-308	1.2	40
368	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , <b>2019</b> , 122, 231802	7.4	39
367	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
366	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
365	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
364	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
363	Observation of two new $\Lambda(b)^{-}$ baryon resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 062004	7.4	35
362	Measurement of forward W and Z boson production in pp collisions at $s = 8 \sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	34
361	Quantum numbers of the X(3872) state and orbital angular momentum in its $DJ/\psi$ decay. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	34
360	Study of the $D^0 p$ amplitude in $D^0 b \rightarrow D^0 p \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	33
359	Measurement of the CP-violating phase $\phi_s$ in $B_{s1}^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 186-195	4.2	33
358	Study of $\chi_{c1} \rightarrow B^0 \pi^0$ meson production in $p p \rightarrow p p$ collisions at $\sqrt{s}=7$ and $8 \text{ TeV}$ an. <i>European Physical Journal C</i> , <b>2014</b> , 74,	4.2	33
357	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P06013-P06Q13		32
356	Measurements of long-range near-side angular correlations in $\sqrt{s}=5$ TeV 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
355	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
354	Study of the kinematic dependences of $D^0 b$ production in pp collisions and a measurement of the $D^0 b \rightarrow c \pi^0$ branching fraction. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
353	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

352	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
351	Observation of the $B \rightarrow \ell \bar{\nu} \ell$ decay. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
350	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 $B^0 \rightarrow \pi^0 \pi^0$ Properties. <i>Physical Review Letters</i> , <b>2019</b> , 122, 012001	7.4	29
349	Measurement of the semileptonic CP asymmetry in $B^0 \rightarrow B^0$ mixing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 041601	7.4	28
348	Study of prompt $D^0$ meson production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}})=5$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
347	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
346	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	27
345	Prompt and nonprompt $J/\psi$ production and nuclear modification in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 159-178	4.2	26
344	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	26
343	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2015</b> , 75, 152	4.2	26
342	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
341	Evidence for an resonance in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1019	4.2	26
340	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
339	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
338	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
337	Model-independent confirmation of the $Z(4430)$ state. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	25
336	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
335	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

334	Measurement of the CP -violating phase $\arg(B_0^0 \rightarrow \pi^0 \pi^0)$ 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
333	First observation of a baryonic $B_c^+$ decay. <i>Physical Review Letters</i> , <b>2014</b> , 113, 152003	7.4	24
332	Measurement of the shape of the $B_0^0 \rightarrow \pi^0 \pi^0$ differential decay rate. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	23
331	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , <b>2017</b> , 77, 812	4.2	23
330	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
329	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
328	Forward instrumentation for ILC detectors. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P12002-P12002	1	23
327	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
326	Search for the lepton flavour violating decay $B \rightarrow e \mu \gamma$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
325	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
324	Feasibility studies of time-like proton electromagnetic form factors at (overline{rm P})ANDA at FAIR. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1	2.5	22
323	Observation of New Resonances in the $B^0 \rightarrow \pi^+ \pi^-$ System. <i>Physical Review Letters</i> , <b>2019</b> , 123, 152001	7.4	22
322	Observation of the Decays $B^0 \rightarrow \pi^+ \pi^- \rho^0$ and $B^0 \rightarrow \pi^+ \pi^- \rho^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 062001	7.4	22
321	Measurement of CP Violation in $B_0^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2015</b> , 115, 031601	7.4	22
320	Measurement of the forward-backward asymmetry in $Z/\gamma \rightarrow e^+ e^-$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
319	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
318	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110\text{ GeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 222001	7.4	22
317	Precision resonance energy scans with the PANDA experiment at FAIR. <i>European Physical Journal A</i> , <b>2019</b> , 55, 1	2.5	21



316	Experimental access to Transition Distribution Amplitudes with the P ANDA experiment at FAIR. <i>European Physical Journal A</i> , <b>2015</b> , 51, 1	2.5	21
315	Forward production of $\Upsilon$ 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
314	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	21
313	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
312	Study of $J/\Psi$ Production in Jets. <i>Physical Review Letters</i> , <b>2017</b> , 118, 192001	7.4	20
311	Angular analysis of the $B^0 \rightarrow \pi^+ \pi^- e^+ e^-$ decay in the low- $q^2$ region. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	20
310	Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^0$ decay. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	19
309	Measurement of the CKM angle $\Gamma$ using $B \rightarrow \pi K$ with $D \rightarrow \pi S$ and $D \rightarrow \pi K$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	19
308	Observation of the Annihilation Decay Mode $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 081801	7.4	18
307	Observation of an Excited $B_c^{++}$ State. <i>Physical Review Letters</i> , <b>2019</b> , 122, 232001	7.4	18
306	First Observation of Excited $B_b^{(*)}$ States. <i>Physical Review Letters</i> , <b>2020</b> , 124, 082002	7.4	18
305	Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 031801	7.4	18
304	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
303	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
302	Observation of the decay $B_s^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	17
301	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
300	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	17
299	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



298	Measurement of the CP-violating phase $\gamma_s$ in $B_s(0) \rightarrow D_s(+)\bar{D}_s(-)$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 211801	7.4	17
297	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
296	Observations of $B \rightarrow \bar{K} + B$ and $B \rightarrow \bar{K} + K$ decays and searches for other $B$ and $B$ decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	17
295	Study of $B_c^+$ decays to the $K+K$ final state and evidence for the decay $B_c^+ \rightarrow B^0 K$ . <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	17
294	Technical design report for the $\overline{\text{P}}\text{ANDA}$ Barrel DIRC detector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2019</b> , 46, 045001	2.9	17
293	Angular moments of the decay $B \rightarrow \bar{K} B$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
292	First Experimental Study of Photon Polarization in Radiative $B_{\{s\}}^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021801	7.4	16
291	Search for CP violation in $D^0 \rightarrow \pi\pi$ 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
290	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> , <b>2016</b> , 116, 241801	7.4	16
289	Near-threshold ( $\text{D}\overline{\text{D}}$ ) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	16
288	Evidence for the decay ( $B_c^+ \rightarrow \{J/\psi\} \left/ \{ \psi(3686) \psi(3686) \} \right.$ ). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
287	Observation of $B(2S) \rightarrow \pi\pi$ and search for $X(3872) \rightarrow \pi\pi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 305-313	4.2	16
286	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
285	First observation of top quark production in the forward region. <i>Physical Review Letters</i> , <b>2015</b> , 115, 112001	7.4	16
284	Amplitude analysis of $B^0 \rightarrow \pi^0 K^+ K^-$ decays. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	16
283	Search for CP violation using T-odd correlations in $D^0 \rightarrow \bar{K} + K$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
282	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
281	Measurement of CP observables in $B \rightarrow \bar{D} K$ and $B \rightarrow \bar{D} \pi$ 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

280	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e\mu\mu$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	15
279	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
278	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 265-273	4-2	15
277	Bflavour tagging using charm decays at the LHCb experiment. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P10005-P10005	5-4	15
276	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^* \mu^+ \mu^-$ and $B^+ \rightarrow K^* \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014,	5-4	15
275	First measurement of the charge asymmetry in beauty-quark pair production. <i>Physical Review Letters</i> , <b>2014</b> , 113, 082003	7-4	15
274	Study of the $\bar{B}^0(3823)$ and $B^0(3872)$ states in $B^+ \rightarrow J/\psi K^+$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	15
273	Observation of $\Lambda_b^0 \rightarrow p K^0$ and $\Lambda_b^0 \rightarrow p \pi^0$ decays and a measurement of the $\Lambda_b^0$ baryon mass. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	15
272	Measurement of the properties of the $\Lambda_b^0$ baryon. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5-4	15
271	Evidence for the decay $(B^0_S \rightarrow \bar{K}^0 \mu^+ \mu^-)$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	15
270	Precise measurements of the properties of the $B^0(5721)$ and $B^{*2}(5747)$ states and observation of $B^0 \rightarrow \mu^+ \mu^-$ mass structures. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	14
269	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
268	Precision measurement of the $\bar{B}^0$ , $B^0$ , and $B^{\pm}$ baryon lifetimes. <i>Physical Review D</i> , <b>2019</b> , 100,	4-9	14
267	Observation of $D^0$ Meson Decays to $\pi^+ \pi^- \pi^+ \pi^-$ and $K^+ K^- \pi^+ \pi^-$ Final States. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181805	7-4	14
266	Evidence for the Strangeness-Changing Weak Decay $\bar{B}^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 241801	7-4	14
265	Evidence for CP violation in $B^+ \rightarrow \phi \pi^+$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 141801	7-4	14
264	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
263	Search for the lepton-flavour violating decay $D^0 \rightarrow e\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 167-175	4-2	14

262	Amplitude Analysis of $B^{\{0\}}-B^{\{0\}}K^{\{+ \} }K^{\{ - \} }$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231802	7.4	14
261	Conceptual design report for the LUXE experiment. <i>European Physical Journal: Special Topics</i> , <b>2021</b> , 230, 2445	2.3	14
260	Model-Independent Observation of Exotic Contributions to $B^{\{0\}}-B^{\{+ \} }K^{\{ - \} }$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152002	7.4	13
259	Study of the rare $B_s^0$ and $B^0$ decays into the $\pi\pi$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 46-55	4.2	13
258	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
257	Studies of the resonance structure in $D^0-\bar{K}S^0K^0$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	13
256	Observation of $B_{\{c \}^{\{+ \} }}-B^{\{0 \} }K^{\{+ \} }$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 111803	7.4	13
255	Resonances and CP violation in $B^0$ s and $(\overline{B})^0 \rightarrow J/\psi \{K^{\{+ \} }\{K^{\{ - \} }\}$ decays in the mass region above the $\psi(1020)$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
254	Study of CP violation in $B^0-\bar{D}^0$ ( $h=K,\pi$ ) with the modes $D-\bar{K}^0\pi^0$ , $D-\pi^0\pi^0$ and $D-\bar{K}^0K^0$ . <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	13
253	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
252	Measurement of CP violation and constraints on the CKM angle $\sin 2\beta$ with $D-\bar{K}S^0\pi^0$ decays. <i>Nuclear Physics B</i> , <b>2014</b> , 888, 169-193	2.8	13
251	Measurement of CP violation in $B_s^0-\bar{D}^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	13
250	Search for the doubly charmed baryon $(\Xi_{cc}^{\{+ \} })$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	13
249	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
248	First study of the CP-violating phase and decay-width difference in $B_s^0-\bar{D}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 253-262	4.2	13
247	Search for the Lepton-Flavor-Violating Decays $B_{\{s \}^{\{0 \} }}-B^{\{0 \} }\pi^{\{0 \} }$ and $B^{\{0 \} }-B^{\{0 \} }\pi^{\{0 \} }$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 211801	7.4	13
246	Central exclusive production of $J/\psi$ and $\psi(2S)$ mesons in pp collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	13
245	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

244	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
243	Test of lepton universality with $(\Lambda_b^0 \rightarrow p K^{\pm} \ell^{\mp} \ell^{\pm} \ell^{\mp})$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	12
242	Diagnostic sensitivity of SPECT myocardial perfusion imaging using a pumping cardiac phantom with inserted variable defects. <i>Journal of Nuclear Cardiology</i> , <b>2013</b> , 20, 609-15	2.1	12
241	Feasibility study for the measurement of $B^0$ transition distribution amplitudes at PANDA in $p\bar{p} \rightarrow B^0$ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	12
240	Measurement of CP violation parameters and polarisation fractions in $(B^0 \rightarrow \psi \overline{K}^0)$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
239	Observation of the decay $B^0 \rightarrow \pi^0 K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 484-494	4.2	12
238	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
237	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
236	Measurement of the $\Lambda_c^0$ Baryon Lifetime. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092003	7.4	12
235	Measurement of CP asymmetry in $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 177-187	4.2	11
234	Precision measurement of the $(\chi_{cc}^{++})$ mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	11
233	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow \pi^0 \pi^0$ in the $K^*0, 2(1430)0$ region. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	11
232	Model-independent measurement of mixing parameters in $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016,	5.4	11
231	Measurement of the CP Violation Parameter $A_{FB}^{\ell}$ in $D^0 \rightarrow \pi^0 \pi^0$ and $D^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 261803	7.4	11
230	Measurement of the branching fraction ratio $B(B_c \rightarrow \pi^0 \pi^0)/B(B_c \rightarrow \pi^0 \pi^0)$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	11
229	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	11
228	Measurement of CP violation parameters in $B^0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11
227	Study of doubly strange systems using stored antiprotons. <i>Nuclear Physics A</i> , <b>2016</b> , 954, 323-340	1.3	11

226	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , <b>2018</b> , 78, 443	4.2	11
225	Updated determination of $D^0\bar{D}^0$ mixing and CP violation parameters with $D^0\rightarrow\pi^+\pi^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	11
224	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
223	Observation of New $\Xi_{cc}^{\prime 0}$ Baryons Decaying to $\Xi_{cc}^{\prime +}K^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 222001	7.4	10
222	Measurement of CP observables in $B^0\rightarrow\pi^0 K^0$ and $B^0\rightarrow\pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 16-30	4.2	10
221	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> , <b>2016</b> , 2016, 1	5.4	10
220	First observation of the decay $D^0\rightarrow\pi^0\pi^0\pi^0$ in the $D^0$ 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
219	Measurement of the $B^0$ and $B^+$ baryon lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 154-162	4.2	10
218	Measurement of $B_{s^0}$ and $D_{s^0}$ Meson Lifetimes. <i>Physical Review Letters</i> , <b>2017</b> , 119, 101801	7.4	10
217	Observation of the suppressed decay $B^0\rightarrow\pi^0\pi^0\pi^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
216	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
215	First Observation of a Baryonic $B_{s^0}$ Decay. <i>Physical Review Letters</i> , <b>2017</b> , 119, 041802	7.4	10
214	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
213	Measurement of the $B_{s^0}$ meson lifetime in $Ds^0$ decays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 172001	7.4	10
212	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
211	Measurement of CP asymmetry in $B^0\rightarrow\pi^0\pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	10
210	Searches for low-mass dimuon resonances. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	10
209	PANDA Phase One. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	10

208	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05010-P05010	1	10
207	Search for $B_c^+$ decays to the $pp\pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 313-321	4.2	10
206	Prompt $B_c$ 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
205	Measurement of the mass and production rate of $B$ baryons. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	9
204	Determination of $\Gamma$ and $\Delta\Gamma$ 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
203	A measurement of the CP asymmetry difference between $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018,	5.4	9
202	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
201	Effective lifetime measurements in the $B^0 \rightarrow K^0 \pi^0$ and $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 446-454	4.2	9
200	Measurement of the time-dependent CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	9
199	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
198	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
197	Search for CP violation in $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 787, 124-133	4.2	9
196	Measurement of the CKM angle $\Gamma$ using $B^0 \rightarrow \pi^0 K^0$ with $D^0 \rightarrow \pi^0 \pi^0$ and $D^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
195	Search for the rare decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	9
194	Search for the suppressed decays $B^0 \rightarrow \pi^0 K^0$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 307-316	4.2	8
193	Observation of $B_c^+ \rightarrow D^{(*)} K^{(*)}$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	8
192	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
191	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



190	Measurement of the Charm-Mixing Parameter $y_{CP}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 011802	7.4	8
189	Study of $B^0$ mixing from measurement of $B^0 \rightarrow \pi^0 \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015,	5.4	8
188	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
187	Measurement of branching fractions of charmless four-body $B^0$ and $B^+$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
186	Evidence for the Rare Decay $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221803	7.4	8
185	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \pi^0 K^{*0}$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
184	$B^0$ and $B^+$ Resonance Parameters with the Decays $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ and $B^+ \rightarrow \pi^+ \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 221801	7.4	8
183	Measurement of the $B^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	8
182	Design of the forward straw tube tracker for the PANDA experiment. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C06032-C06032	1	8
181	Measurement of the $B^0 \rightarrow \pi^0 \pi^0$ branching fraction and search 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	8
180	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
179	Search for CP violation in $D^0 \rightarrow \pi^0 K^0$ and $D^+ \rightarrow \pi^+ K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	8
178	Search for the lepton flavour violating decay $B^+ \rightarrow \pi^+ \mu^+ \mu^-$ using $(B^0 \rightarrow \pi^0 \pi^0)$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
177	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
176	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, 1	5.4	8
175	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow \pi^+ \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 241802	7.4	8
174	Study of $\pi^0$ production in pPb collisions at $(\sqrt{s_{NN}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
173	Measurement of Angular and CP Asymmetries in $D^0 \rightarrow \pi^0 \pi^0 \pi^0$ and $D^+ \rightarrow \pi^+ \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2018</b> , 121, 091801	7.4	8



172	Measurements of the branching fractions of $\Lambda^0 \rightarrow \pi^0 p$ , $\Lambda^0 \rightarrow \pi^0 n$ , and $\Lambda^0 \rightarrow \pi^0 \Sigma^0$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
171	Search for the CP-violating strong decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \eta$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 233-240	4.2	7
170	Observation of the Decay $\Lambda_b^0 \rightarrow p K^0$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 071801	7.4	7
169	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , <b>2017</b> , 77, 678	4.2	7
168	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
167	Study of $D^{(*)} \rightarrow sJ$ 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
166	Observation of the $B^0 \rightarrow \pi^0 \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
165	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>2018</b> , 784, 101-111	4.2	7
164	First Observation of the Radiative Decay $\Lambda_b^0 \rightarrow \gamma p$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 031801	7.4	7
163	Updated measurement of time-dependent (CP)-violating observables in $(B^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
162	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
161	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
160	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
159	Observation of the $B(s) \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , <b>2015</b> , 115, 051801	7.4	7
158	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
157	First observations of the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \eta$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	7
156	Search for CP violation in $(\chi_c^+ \rightarrow p K^- \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
155	Observation of a new baryon state in the $(\Lambda_{\text{b}}^0 \rightarrow p \pi^+ \pi^-)$ mass spectrum. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7

154	Measurement of $f_{\text{D}}/f_{\text{D}^*}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , <b>2020</b> , 124, 122002	7.4	7
153	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
152	Search for CP violation using triple product asymmetries in $\text{B}^0 \rightarrow \text{K}^0 \text{K}^0 \text{K}^0$ and $\text{B}^0 \rightarrow \text{K}^0 \text{K}^0 \text{K}^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
151	Amplitude Analysis of the Decay $\text{B}^0 \rightarrow \text{K}_{\text{S}}^0 \text{K}^+ \text{K}^-$ and First Observation of the CP Asymmetry in $\text{B}^0 \rightarrow \text{K}_{\text{S}}^0 \text{K}^+ \text{K}^-$ decays. <i>Physical Review Letters</i> , <b>2018</b> , 120, 261801	7.4	7
150	Measurement of the $\text{B}^0$ production asymmetry and the CP asymmetry in $\text{B}^0 \rightarrow \text{K}^0 \text{K}^0$ decays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	6
149	Measurement of $ V_{\text{cb}} $ with $\text{B}_s^0 \rightarrow \text{D}_s^* \text{K}^0$ decays. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	6
148	First measurement of the CP-violating phase $(\phi_{\text{S}}^{\text{d}})$ in $\text{B}_s^0 \rightarrow \text{K}^0 \text{K}^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
147	Measurement of the mass and lifetime of the $\Lambda_b$ baryon. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
146	Constraints on the unitarity triangle angle $\Gamma$ from Dalitz plot analysis of $\text{B}^0 \rightarrow \text{K}^0 \text{K}^0$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	6
145	Measurements of CP asymmetries in charmless four-body $(\Lambda_b^0)$ and $(\Xi_b^0)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	6
144	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
143	Measurement of CP asymmetries in $\text{D}^0 \rightarrow \text{K}^0 \text{K}^0$ and $\text{D}_s^0 \rightarrow \text{K}^0 \text{K}^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 21-30	4.2	6
142	Observation of the decay $\text{B}_s^0 \rightarrow \text{K}^0 \text{K}^0$ and evidence for $\text{B}_s^0 \rightarrow \text{K}^0 \text{K}^0$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	6
141	Measurement of the $\text{Y}(\text{nS})$ 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
140	Measurement of CP asymmetries and polarisation fractions in $(\text{B}_s^0 \rightarrow \text{K}^0 \text{K}^0)$ decays. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
139	Search for the $\text{D}^0 \rightarrow \text{K}^0 \text{K}^0$ and $\text{D}^0 \rightarrow \text{K}^0 \text{K}^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	6
138	Observation of $\text{B}_s^0 \rightarrow \text{K}^0 \text{K}^0$ and evidence for $\text{B}_s^0 \rightarrow \text{K}^0 \text{K}^0$ decays. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123001	2.9	6
137	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

- 136 A general purpose multichannel readout system for radiation detectors. *Journal of Instrumentation*, **2012**, 7, T01004-T01004 1 6
- 135 Design for good matching in multichannel low-noise amplifier for recording neuronal signals in modern neuroscience experiments. *Microelectronics Reliability*, **2004**, 44, 351-361 1.2 6
- 134 A precise measurement of the [Formula: see text] meson oscillation frequency. *European Physical Journal C*, **2016**, 76, 412 4.2 6
- 133 Measurement of the CKM angle  $\Gamma$  using  $B^0 \rightarrow \bar{D}^* K^0$  with  $D \rightarrow K^0 \pi^+ \pi^-$  decays. *Journal of High Energy Physics*, **2016**, 2016, 5.4 6
- 132 Application of GEM-based detectors in full-field XRF imaging. *Journal of Instrumentation*, **2016**, 11, C12025-C12025 1 6
- 131 Measurement of CP Violation in  $B^0 \rightarrow D^{*+} D^-$  Decays. *Physical Review Letters*, **2016**, 117, 261801 7.4 6
- 130 Model-independent measurement of the CKM angle  $\Gamma$  using  $B^0 \rightarrow \bar{D}^* K^0$  decays with  $D \rightarrow K^0 \pi^+ \pi^-$  and  $K^0 \rightarrow K^+ K^-$  *Journal of High Energy Physics*, **2016**, 2016, 1 5.4 6
- 129 Observation of the decay  $B_s^0 \rightarrow D^0 K^+ K^-$  *Physical Review D*, **2018**, 98, 4.9 6
- 128 Measurement of  $\gamma$  production in pp collisions at  $(\sqrt{s}=13)$  TeV. *Journal of High Energy Physics*, **2018**, 2018, 1 5.4 6
- 127 First observation of  $B^+ \rightarrow \bar{D}^0 + s^+ K^+ K^-$  decays and a search for  $B^+ \rightarrow \bar{D}^0 + s^+ \gamma$  decays. *Journal of High Energy Physics*, **2018**, 2018, 1 5.4 6
- 126 Observation of charmless baryonic decays  $B(s)^0 \rightarrow p \bar{p} \pi^+ h^-$  *Physical Review D*, **2017**, 96, 4.9 5
- 125 Observation of the  $(\Lambda_{\text{b}}^0 \rightarrow \text{upchi}_{\text{c}}^1)$  (3872) pK decay. *Journal of High Energy Physics*, **2019**, 2019, 1 5.4 5
- 124 Measurement of shower development and its Molière radius with a four-plane LumiCal test set-up. *European Physical Journal C*, **2018**, 78, 1 4.2 5
- 123 Observation of  $B_{\text{s}}^0 \rightarrow \bar{D}^0 K_{\text{S}}^0$  and Evidence for  $B_{\text{s}}^0 \rightarrow \bar{D}^0 K_{\text{S}}^0$  Decays. *Physical Review Letters*, **2016**, 116, 161802 7.4 5
- 122 Pressure stabilized straw tube modules for the PANDA Forward Tracker. *Journal of Instrumentation*, **2018**, 13, P06009-P06009 1 5
- 121 Amplitude analysis of  $B^0 \rightarrow \bar{D}^0 K^+ K^-$  decays. *Journal of High Energy Physics*, **2019**, 2019, 1 5.4 5
- 120 Observation of the  $B^0 \rightarrow \bar{e}^+ K^0 K^-$  decay. *Journal of High Energy Physics*, **2014**, 2014, 1 5.4 5
- 119 Observation of the decay  $B^0 \rightarrow \bar{D}^0 K^+ K^-$  and a search for CP violation. *Journal of High Energy Physics*, **2017**, 2017, 5.4 5

118	Study of $(\overline{\mathbf{b}}\mathbf{b})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
117	Determination of the branching fractions of $B^0 \rightarrow \pi^+ K^-$ and $B^0 \rightarrow \pi^0 K^+$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	5
116	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
115	Design and performance of the GEMROC ASIC for 2-D readout of gas electron multiplier detectors <b>2011</b> ,		5
114	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
113	Measurement of the ratio of branching fractions $(\mathcal{B}(\mathbf{B} \rightarrow \mathbf{c}^+ \mathbf{J}) / \mathcal{B}(\mathbf{B} \rightarrow \mathbf{c}^+ \mathbf{K})) / (\mathcal{B}(\mathbf{B} \rightarrow \mathbf{c}^+ \mathbf{J}) / \mathcal{B}(\mathbf{B} \rightarrow \mathbf{c}^+ \mathbf{K}))$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
112	A search for $(\Xi_{cc}^{++}) \rightarrow p K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
111	Observation of $B_s^0 \rightarrow \pi^+ \pi^-$ and search for $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
110	Observation of the decay $D^0 \rightarrow \pi^+ \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
109	Search for weakly decaying b-flavored pentaquarks. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	5
108	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> , <b>2017</b> , 767, 110-120	4.2	4
107	Observation of [Formula: see text] and [Formula: see text] decays. <i>European Physical Journal C</i> , <b>2017</b> , 77, 72	4.2	4
106	Observation of $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ Decays and Precision Measurements of the $B_{(s)}^0$ Masses. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191804	7.4	4
105	Search for the Rare Decays $B_{(s)}^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow e^+ e^-$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 211802	7.4	4
104	Measurement of $\Xi_{cc}^{++}$ production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , <b>2020</b> , 44, 022001	2.2	4
103	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s}=7$ and $13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80,	4.2	4
102	Measurement of CP asymmetry in $B^0 \rightarrow \pi^+ K^-$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
101	Search for $B_c^+$ decays to two charm mesons. <i>Nuclear Physics B</i> , <b>2018</b> , 930, 563-582	2.8	4

100	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^-$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
99	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
98	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
97	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , <b>2017</b> , 77, 238	4.2	4
96	Evidence for the two-body charmless baryonic decay ( $\Lambda_b^+ \rightarrow p \bar{\Lambda}^0$ ). <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
95	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \bar{p}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 232001	7.4	4
94	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
93	Updated branching fraction measurements of $B(s) \rightarrow K^0 K^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	4
92	Study of $B \rightarrow K^0 K^0 \pi^0$ and $B \rightarrow K^0 K^0 \pi^0$ decays and determination of the CKM angle $\alpha$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	4
91	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow D^+ s^- K^0$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	4
90	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
89	A power scalable 10-bit pipeline ADC for Luminosity Detector at ILC. <i>Journal of Instrumentation</i> , <b>2011</b> , 6, P01004-P01004	1	4
88	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
87	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
86	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
85	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
84	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0 K^0 S^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
83	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

82	Measurement of $D^0$ 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
81	First observation of the rare $B^+ \rightarrow D^+ K^0$ decay. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
80	Measurement of the $B^0 \rightarrow D^0 K^0$ branching fractions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	3
79	First observation of the decay $B^0 \rightarrow D^0 K^0$ at LHCb. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	3
78	Measurement of the branching fractions of the decays $D^+ \rightarrow K^0 K^+$ , $D^+ \rightarrow K^+ K^0$ and $D^0 \rightarrow K^+ K^-$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019,	5.4	3
77	Amplitude analysis of the ( $B^0 \rightarrow K^0 \overline{K}^0$ ) decays and measurement of the branching fraction of the ( $B^0 \rightarrow K^0 \overline{K}^0$ ) decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	3
76	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
75	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
74	MSGCROC - an ASIC for high count rate readout of position sensitive Microstrip Gas Chambers for thermal neutrons <b>2008</b> ,		3
73	Search for heavy neutral leptons in ( $W^+ \rightarrow \mu^+ \mu^-$ , text {jet}) decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
72	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P11023-P11023	1	3
71	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
70	Search for long-lived particles decaying to ( $e^+ \mu^-$ ) ( $\mu^+ \mu^-$ ) ( $\nu$ ). <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
69	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1008	4.2	3
68	Feasibility studies for the measurement of time-like proton electromagnetic form factors from ( $\bar{p} p \rightarrow \mu^+ \mu^-$ ) at ( $\overline{\text{P}}$ )text {ANDA}) at FAIR. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	3
67	Measurement of the relative $B^0 \rightarrow D^0 D^{*0}$ branching fractions using $B^0$ mesons from $B^0 \rightarrow D^0 D^{*0}$ decays. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
66	Measurement of the CP-violating phase $\phi$ from $B^0 \rightarrow D^0 D^{*0}$ 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
65	Search for CP Violation in $D^0 \rightarrow K^0 \pi^0$ , $D^0 \rightarrow K^0 \pi^+$ , and $D^0 \rightarrow K^0 \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 191803	7.4	2



64	Observation of the doubly Cabibbo-suppressed decay $D^+ \rightarrow c^- \bar{\phi}^0$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
63	Search for CP violation through an amplitude analysis of $D^0 \rightarrow \bar{K}^+ K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
62	Measurement of the $(\Lambda_b^0)$ angular distribution and the $(\Lambda_b^0)$ polarisation in pp collisions. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
61	Measurement of CP observables in $B^0 \rightarrow \bar{D} K^0$ and $B^0 \rightarrow \bar{D}^0$ with $D \rightarrow \{K_{\text{S}}^0\}^{\pm} \{K^{\mp} \pi^{\pm}\}$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
60	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \bar{c} \ell \bar{\nu}$ and $B \rightarrow \bar{c} \ell \bar{\nu}$ . <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
59	Performance of a GEM detector with copper-less foils. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P09020-P09020		2
58	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
57	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
56	Study of the $B^0 \rightarrow \bar{D}^{*0} K^0$ decay with an amplitude analysis of $B^0 \rightarrow \bar{D}^{*0} K^0$ decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
55	Observation of the $B^+ \rightarrow \bar{D}^{*0} K^+$ decay. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	2
54	Measurement of CP violation in $B^0 \rightarrow \bar{c} \ell \bar{\nu}$ and $B^0 \rightarrow \bar{c} \ell \bar{\nu}$ decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017,	5.4	2
53	Development of very high rate and resolution neutron detectors with novel readout and DAQ hard- and software in DETNI <b>2008</b> ,		2
52	Noise characterisation of MOS transistors in a 0.35 $\mu\text{m}$ CMOS technology of geometries dedicated to front-end circuits for strip detectors. <i>Journal of Instrumentation</i> , <b>2006</b> , 1, P11001-P11001	1	2
51	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
50	Isospin Amplitudes in $\Lambda_b^0 \rightarrow \bar{c} \ell \bar{\nu}$ and $\Lambda_b^0 \rightarrow \bar{c} \ell \bar{\nu}$ Decays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 111802	7.4	2
49	Observation of the $(B_s^0) \rightarrow \bar{D}^{*0} \pi^0$ decay. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
48	Measurement of CP observables in $B^0 \rightarrow \bar{D}^{*0} K^0$ and $B^0 \rightarrow \bar{D}^{*0} \pi^0$ decays using two-body D final states. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
47	Measurement of the branching fraction of the $(B^0 \rightarrow D^+ \pi^-)$ decay. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2



46	The potential of $(\text{var}\Lambda_{\text{bda}})$ and $(\text{var}\chi^2)$ studies with PANDA at FAIR. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	2
45	Measurement of CP-Violating and Mixing-Induced Observables in $B_{\text{s}}^0 \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 123, 081802	7.4	2
44	Study of $(\text{B}^0 \rightarrow \pi^0 \pi^0) \rightarrow \pi^0 \pi^0 K^0$ Decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
43	<b>2018,</b>		2
42	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
41	Measurement of CP violation in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	2
40	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
39	Measurement of CP observables in the process $B^0 \rightarrow \pi^0 K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
38	First observation of forward $Z \rightarrow b\bar{b}$ 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
37	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
36	Measurement of the ratio of branching fractions of the decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
35	Measurement of the branching fraction and (CIP) asymmetry in $(B^+ \rightarrow J/\psi \rho^+)$ decays. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	1
34	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
33	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
32	Search for Baryon-Number Violating $\chi^0$ Oscillations. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181807	7.4	1
31	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
30	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
29	<b>2015,</b>		1

28	An FPGA based GEMROC readout system <b>2012</b> ,		1
27	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
26	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \nu_{\mu}$ . <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020,	5.4	1
25	HGCROC-Si and HGCROC-SiPM: the front-end readout ASICs for the CMS HGCAL <b>2020</b> ,		1
24	Measurement of the shape of the $(B_s^0 \rightarrow D_s^{\ast -} \mu^+ \nu_{\mu})$ differential decay rate. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
23	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
22	Precision measurement of the $(B_c^+)$ meson mass. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
21	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
20	Search for the rare decay $B^0 \rightarrow e/\mu^* \gamma$ . <i>Chinese Physics C</i> , <b>2021</b> , 45, 043001	2.2	1
19	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
18	Measurement of differential $(\overline{b})$ - and $(\overline{c})$ -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
17	Measurement of the CP asymmetry in $B \rightarrow D^0$ and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	1
16	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
15	Measurement of CP violation in $B^0 \rightarrow D^{\ast \mp} D^{\pm}$ decays. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
14	First measurement of the (CP)-violating phase in $(B^0 \rightarrow J/\psi) \rightarrow (e^+ e^-)(\phi)$ decays. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
13	Observation of a $(\Lambda_b^0) \rightarrow (\overline{\Lambda}_b^0)$ 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
12	Measurement of the CKM angle $\beta$ and $(B_s^0 \rightarrow \overline{B}_s^0)$ mixing frequency with $(B_s^0 \rightarrow D_s^{\mp} h^{\pm} \pi^{\pm} \pi^{\mp})$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
11	Observation of the decay $(\Lambda_b^0) \rightarrow p \pi^-$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0

- |    |  |     |   |
|----|--|-----|---|
| 10 | 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 | o |
| 9  | Measurement of CP violation in the $(B_s^0 \rightarrow \phi \phi)$ decay and search for the $B_0 \rightarrow e^+ e^-$ decay. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | o |
| 8  | Measurement of the CKM angle $\phi_1$ in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0$ decays with $D \rightarrow K^0 \pi^0$ ( $K^0 \rightarrow \pi^+ \pi^-$ ) decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1  | 5.4 | o |
| 7  | Observation of the decay $(\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-)$ in the $\psi$ mass region. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | o |
| 6  | Search for the doubly charmed baryon $\Xi_{cc}$ . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1   | 3.6 | o |
| 5  | HGCROC3: the front-end readout ASIC for the CMS High Granularity Calorimeter. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, C03015   | 1   | o |
| 4  | 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 |   |
| 3  | Low Power, High Dynamic Range Analogue Multiplexer for Multi-Channel Parallel Recording of Neuronal Signals Using Multi-Electrode Arrays. <i>International Journal of Electronics and Telecommunications</i> , <b>2010</b> , 56, 399-404 |     |   |
| 2  | Study of excited $(\varphi \chi)$ baryons with the $(\overline{P})$ ANDA detector. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1  | 2.5 |   |
| 1  | Angular analysis of $(B^0 \rightarrow D^{*+} D_s^{*-})$ with $(D_s^{*+} \rightarrow D_s^+ \gamma)$ decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1   | 5.4 |   |