

Marek Idzik

List of Publications by Citations

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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.

245
papers

5,948
citations

35
h-index

68
g-index

275
ext. papers

7,580
ext. citations

4.8
avg. IF

4.3
L-index

#	Paper	IF	Citations
245	Measurement of the ratio of branching fractions $B(B \rightarrow D^{*+} \mu^-) / B(B \rightarrow D^{*+} \tau^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
244	Test of lepton universality with $B \rightarrow K^* \mu \tau$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
243	Observation of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
242	Determination of the X(3872) meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
241	Angular analysis of the $B \rightarrow K^* \mu \tau$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
240	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> , 2019 , 122, 222001	7.4	199
239	Luminosity determination in pp collisions at $(\sqrt{s} = 7)$ TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
238	Observation of Five New Narrow χ_c^0 States Decaying to $\chi_c^+ K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
237	Angular analysis and differential branching fraction of the decay $B \rightarrow s \mu \tau$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
236	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
235	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
234	Measurement of the Ratio of the $B^0 \rightarrow D^{*-} \mu^+ \mu^-$ and $B^0 \rightarrow D^{*-} \tau^+ \mu^-$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
233	Measurement of the Ratio of Branching Fractions $B(B_c^+ \rightarrow \mu^+ \mu^-) / B(B_c^+ \rightarrow \tau^+ \mu^-)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
232	Measurement of the $B_s^0 \rightarrow \mu^+ \mu^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
231	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
230	J/ψ and ψ production and their normal nuclear absorption in proton-nucleus collisions at 400 GeV. <i>European Physical Journal C</i> , 2006 , 48, 329-341	4.2	89
229	Measurement of / polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87

228	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
227	Higgs physics at the CLIC electron-positron linear collider. <i>European Physical Journal C</i> , 2017 , 77, 475	4.2	76
226	Measurements of prompt charm production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	65
225	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0} \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
224	Search for Structure in the $B_{s^0} \rightarrow \mu^+ \mu^-$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
223	Technical design report for the (overline{P})ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. <i>European Physical Journal A</i> , 2013 , 49, 1	2.5	60
222	Production of J/ψ and (φ) mesons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
221	Measurement of the $W \rightarrow \mu \nu$ and $Z \rightarrow \mu^+ \mu^-$ production cross sections in proton-proton collisions at ($\sqrt{s} = 7$; {text{TeV}}) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
220	First Observation of the Doubly Charmed Baryon Decay $\Xi_{cc}^{++} \rightarrow \Xi_c^+ \mu^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7.4	54
219	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
218	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow K^+ \pi^- \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
217	Measurement of forward J/ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	47
216	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396	6.2	45
215	Measurement of the exclusive ψ production cross-section in pp collisions at ($\sqrt{s}=7$) TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
214	Measurement of the [Formula: see text] production cross-section in proton-proton collisions via the decay [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
213	Search for the Decays $B_{s^0} \rightarrow \mu^+ \mu^-$ and $B^+ \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
212	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
211	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35

210	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
209	Noise Optimization of Charge Amplifiers With MOS Input Transistors Operating in Moderate Inversion Region for Short Peaking Times. <i>IEEE Transactions on Nuclear Science</i> , 2007 , 54, 555-560	1.7	35
208	Study of the $D^0 p$ amplitude in $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
207	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	31
206	Study of the kinematic dependences of $D^0 b$ production in pp collisions and a measurement of the $D^0 b \rightarrow c$ branching fraction. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
205	Study of prompt D^0 meson production in pPb collisions at ($\sqrt{s_{\text{NN}}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
204	Study of (φ) production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{\text{NN}}}$) = 5 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
203	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26
202	Evidence for an resonance in decays. <i>European Physical Journal C</i> , 2018 , 78, 1019	4.2	26
201	Measurement of the phase difference between short- and long-distance amplitudes in the [Formula: see text] decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
200	Measurement of the Difference of Time-Integrated CP Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 191601	7.4	25
199	First measurement of time-dependent CP violation in ($B_s^0 \rightarrow K^+ K^-$) decays. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
198	Measurement of the J/ψ pair production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
197	Production of associated Υ and open charm hadrons in pp collisions at ($\sqrt{s}=7$) and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
196	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
195	Forward instrumentation for ILC detectors. <i>Journal of Instrumentation</i> , 2010 , 5, P12002-P12002	1	23
194	Measurement of the CKM angle Γ from a combination of LHCb results. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	23
193	Search for the lepton flavour violating decay $B \rightarrow \mu \tau$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22

192	Search for Violations of Lorentz Invariance and CPT Symmetry in $B_{(s)}^{0}$ Mixing. <i>Physical Review Letters</i> , 2016 , 116, 241601	7.4	22
191	Feasibility studies of time-like proton electromagnetic form factors at (overline{rm P})ANDA at FAIR. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	22
190	Observation of New Resonances in the $[b]^{0}[\bar{c}]^{0}$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
189	Measurement of the forward-backward asymmetry in $Z/\bar{\nu} \rightarrow \nu\bar{\nu}$ decays and determination of the effective weak mixing angle. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
188	Measurement of Antiproton Production in p-He Collisions at $\sqrt{s_{NN}}=110$ GeV. <i>Physical Review Letters</i> , 2018 , 121, 222001	7.4	22
187	Precision resonance energy scans with the PANDA experiment at FAIR. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	21
186	Experimental access to Transition Distribution Amplitudes with the PANDA experiment at FAIR. <i>European Physical Journal A</i> , 2015 , 51, 1	2.5	21
185	Forward production of mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	21
184	Search for beautiful tetraquarks in the $\psi(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
183	Measurement of charged particle multiplicities and densities in [Formula: see text] collisions at [Formula: see text]TeV in the forward region. <i>European Physical Journal C</i> , 2014 , 74, 2888	4.2	20
182	Study of J/ψ Production in Jets. <i>Physical Review Letters</i> , 2017 , 118, 192001	7.4	20
181	Angular analysis of the $B^0 \rightarrow K^*0 e^+ e^-$ decay in the low- q^2 region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	20
180	Study of forward Z + jet production in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	20
179	Measurement of the CKM angle Γ using $B \rightarrow \bar{D}K$ with $D \rightarrow K^0 S^{\pm} \rightarrow K^0 S^{\pm} K^{\pm} K^{\mp}$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	19
178	Observation of an Excited $B_{(c)}^{+}$ State. <i>Physical Review Letters</i> , 2019 , 122, 232001	7.4	18
177	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019 , 122, 132002	7.4	17
176	Measurement of forward Z - $\nu e^+ e^-$ production at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17
175	Measurement of the $B(3P)$ mass and of the relative rate of $B(1P)$ and $B(2P)$ production. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17

174	RX64DTH -a fully integrated 64-channel ASIC for a digital X-ray imaging system with energy window selection. <i>IEEE Transactions on Nuclear Science</i> , 2005 , 52, 839-846	1.7	17
173	Observations of $\Lambda_b^- \rightarrow \Lambda_c^+ K^-$ decays and searches for other Λ_b^- and Λ_c^+ decays to $\Lambda + h^0$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
172	Technical design report for the $\overline{\text{P}}\text{ANDA}$ Barrel DIRC detector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019 , 46, 045001	2.9	17
171	Angular moments of the decay $\Lambda_b^- \rightarrow \Lambda_c^+ K^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
170	First Observation of D^0 - D^0 Oscillations in $D^0 \rightarrow K^+ \pi^- \pi^0$ Decays and Measurement of the Associated Coherence Parameters. <i>Physical Review Letters</i> , 2016 , 116, 241801	7.4	16
169	Near-threshold ($\overline{\text{D}}\text{D}$) spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
168	Evidence for the decay ($B_{(c)}^+ \rightarrow J/\psi \pi^+ \pi^0$). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
167	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
166	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
165	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
164	Observation of Z production in proton-lead collisions at LHCb. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
163	Observation of $\Lambda_b^- \rightarrow \Lambda_c^+ p K^-$ and $\Lambda_b^- \rightarrow \Lambda_c^+ \bar{p} K^-$ decays and a measurement of the Λ_b^- baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
162	Evidence for the decay ($B_{(c)}^0 \rightarrow \overline{K}^0 \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
161	Precise measurements of the properties of the $B(5721)_{0,+}$ and $B^*(5747)_{0,+}$ states and observation of $B_{(c)}^+$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
160	Observation of D^0 Meson Decays to $\pi^+ \pi^- \pi^+ \pi^-$ and $K^+ K^- \pi^+ \pi^-$ Final States. <i>Physical Review Letters</i> , 2017 , 119, 181805	7.4	14
159	Evidence for the Strangeness-Changing Weak Decay $\overline{B}^0 \rightarrow \overline{B}^0 \pi^0$. <i>Physical Review Letters</i> , 2015 , 115, 241801	7.4	14
158	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
157	Amplitude Analysis of $B^0 \rightarrow \pi^0 K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14

156	Conceptual design report for the LUXE experiment. <i>European Physical Journal: Special Topics</i> , 2021 , 230, 2445	2.3	14
155	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \bar{K}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 152002	7.4	13
154	Search for excited $B + c$ states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
153	Observation of $B_c^+ \rightarrow \bar{D}^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
152	Resonances and CP violation in B^0 s and ($\overline{B}_s^0 \rightarrow J/\psi \{K^+ K^-\}$) decays in the mass region above the $\psi(1020)$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
151	Measurement of the inelastic pp cross-section at a centre-of-mass energy of (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
150	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
149	Measurement of the forward Z boson production cross-section in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
148	Search for the Lepton-Flavor-Violating Decays $B_{(s)}^0 \rightarrow \mu^+ \mu^- \gamma$ and $B^0 \rightarrow \mu^+ \mu^- \gamma$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
147	Test of lepton universality with ($\Lambda_b^0 \rightarrow p K^+ \ell^- \ell^+$) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
146	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> , 2017 , 95,	4.9	12
145	Measurement of CP violation parameters and polarisation fractions in ($B_{(s)}^0 \rightarrow J/\psi \overline{K}^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
144	Measurement of the inelastic pp cross-section at a centre-of-mass energy of 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
143	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
142	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow \bar{K}^* \pi^0$ in the $K^*_{0,2}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
141	Measurement of the CP Violation Parameter A_{FB}^0 in $D^0 \rightarrow \bar{K}^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 261803	7.4	11
140	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
139	Study of doubly strange systems using stored antiprotons. <i>Nuclear Physics A</i> , 2016 , 954, 323-340	1.3	11

138	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
137	Study of charmonium production in π -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
136	Study of χ_{c0} production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
135	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
134	Measurement results of DIPIX pixel sensor developed in SOI technology. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 274-278	1.2	10
133	Measurement of B_{s^0} and D_{s^*} Meson Lifetimes. <i>Physical Review Letters</i> , 2017 , 119, 101801	7.4	10
132	Observation of the suppressed decay $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
131	Search for the decay ($B_{s^0} \rightarrow \overline{D}^0 \mu^+ \mu^-$). <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	10
130	A new algorithm for identifying the flavour of B^0 mesons at LHCb. <i>Journal of Instrumentation</i> , 2016 , 11, P05010-P05010	1	10
129	Prompt B_c production in pPb collisions at ($\sqrt{s_{NN}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
128	SALT, a dedicated readout chip for high precision tracking silicon strip detectors at the LHCb Upgrade. <i>Journal of Instrumentation</i> , 2016 , 11, C02028-C02028	1	9
127	Development of front-end electronics for the luminosity detector at ILC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 608, 169-174	1.2	9
126	Measurement of the (η_{c1}) production cross-section in ($p-p$) collisions at ($\sqrt{s} = 13$) (TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
125	Measurement of the CKM angle β using $B \rightarrow DK$ with $D \rightarrow K^0 S^0 K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
124	Search for the rare decay ($B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
123	Development of a dedicated front-end electronics for straw tube trackers in the PANDA experiment. <i>Journal of Instrumentation</i> , 2016 , 11, P08009-P08009	1	8
122	Measurement of branching fractions of charmless four-body $B \rightarrow b$ and $B \rightarrow b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
121	Evidence for the Rare Decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8

120	Γ_{c1} and Γ_{c2} Resonance Parameters with the Decays $B_{c1,c2} \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
119	Design of the forward straw tube tracker for the PANDA experiment. <i>Journal of Instrumentation</i> , 2017 , 12, C06032-C06032	1	8
118	Measurement of the $B^0 \rightarrow \mu^+ \mu^-$ branching fraction and search for the decay $B^0 \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	8
117	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4.2	8
116	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ using (B^0_{s1}) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
115	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
114	Measurement of forward W $\rightarrow e \mu$ production in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
113	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	4.2	8
112	Study of η production in pPb collisions at $(\sqrt{s_{\text{NN}}}=8.16)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
111	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
110	Measurement of the Z+b-jet cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
109	Study of $D^{(*)} + sJ$ mesons decaying to $D^{*+} + K^0_S$ and $D^{*0} + K^+$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
108	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
107	Test-beam results of a SOI pixel-detector prototype. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 901, 173-179 ^{1,2}	1.2	7
106	Updated measurement of time-dependent (CP)-violating observables in $(B^0_{s1}) \rightarrow J/\psi K^+ K^-$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
105	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
104	Performance of fully instrumented detector planes of the forward calorimeter of a Linear Collider detector. <i>Journal of Instrumentation</i> , 2015 , 10, P05009-P05009	1	7
103	First observations of the rare decays $B^+ \rightarrow K^+ \mu^+ \mu^-$ and $B^+ \rightarrow K^+ \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	7

102	Search for CP violation in $(\{\{\{\varXi\}\}^+_{c}\} \rightarrow \{p\} \{\{K\}^-\} \{\{\pi\}^+\})$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
101	Observation of a new baryon state in the $(\{\Lambda\}_{\text{b}}^0 \{\{\pi\}^+\} \{\{\pi\}^-\})$ mass spectrum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
100	Search for a dimuon resonance in the χ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
99	Search for CP violation using triple product asymmetries in $\{D\}^0 \{B\}^0 \rightarrow \{K\}^0 \{K\}^0 \{K\}^0$ and $\{D\}^0 \{B\}^0 \rightarrow \{K\}^0 \{K\}^0 \{K\}^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
98	Amplitude Analysis of the Decay $B^0 \rightarrow K^0 \pi^+ \pi^-$ and First Observation of the CP Asymmetry in $B^0 \rightarrow K^{*0} (892)^- \pi^+$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
97	First measurement of the CP-violating phase $(\phi_{s^{\text{d}}})$ in $B^0 \rightarrow \{K\}^0 \{K\}^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
96	Measurements of CP asymmetries in charmless four-body $(\{\Lambda\}^0_{\text{b}})$ and $(\{\varXi\}^0_{\text{b}})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
95	Prototype pixel detector in the SOI technology. <i>Journal of Instrumentation</i> , 2014 , 9, C02010-C02010	1	6
94	A 10-Bit Multichannel Digitizer ASIC for Detectors in Particle Physics Experiments. <i>IEEE Transactions on Nuclear Science</i> , 2012 , 59, 294-302	1.7	6
93	Measurement of the $Y(\text{nS})$ polarizations in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
92	Measurement of CP asymmetries and polarisation fractions in $(\{B\}_s^0 \rightarrow \{K\}^{\text{ast } 0} \{\overline{K}\}^{\text{ast } 0})$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
91	Search for the $\{D\}^0 \rightarrow \{K\}^0 \{K\}^0$ and $\{D\}^0 \rightarrow \{K\}^0 \{K\}^0$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
90	A general purpose multichannel readout system for radiation detectors. <i>Journal of Instrumentation</i> , 2012 , 7, T01004-T01004	1	6
89	Design of low noise charge amplifier in sub-micron technology for fast shaping time. <i>Analog Integrated Circuits and Signal Processing</i> , 2006 , 49, 107-114	1.2	6
88	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
87	Measurement of CP Violation in $B^0 \rightarrow \{D\}^+ \{D\}^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 261801	7.4	6
86	Model-independent measurement of the CKM angle β using $B^0 \rightarrow \{D\}^0 \{K\}^0$ decays with $D \rightarrow \{K\}^0 \{K\}^0$ and $K^0 \rightarrow \{K\}^0 \{K\}^0$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
85	Measurement of χ production in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6

84	First observation of $B^+ \rightarrow D^+ s K^0$ decays and a search for $B^+ \rightarrow D^+ s ?$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
83	Observation of the $(\Lambda_{\text{b}}^0 \rightarrow \text{p} \chi_{\text{c}1})$ (3872) pK decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
82	Measurement of shower development and its Molière radius with a four-plane LumiCal test set-up. <i>European Physical Journal C</i> , 2018 , 78, 1	4-2	5
81	Observation of $B_{\text{s}}^0 \rightarrow D^0 K_{\text{S}}^0$ and Evidence for $B_{\text{s}}^0 \rightarrow D^0 K_{\text{S}}^*$ Decays. <i>Physical Review Letters</i> , 2016 , 116, 161802	7-4	5
80	Pressure stabilized straw tube modules for the PANDA Forward Tracker. <i>Journal of Instrumentation</i> , 2018 , 13, P06009-P06009	1	5
79	Amplitude analysis of $B^0 \rightarrow \pi^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
78	Study of $(\overline{\text{b}} \text{b})$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	5
77	Determination of the branching fractions of $B^0 \rightarrow D^0 K^+$ and $B^0 \rightarrow D^0 \bar{K}^+$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	5
76	A fast, ultra-low and frequency-scalable power consumption, 10-bit SAR ADC for particle physics detectors. <i>Journal of Instrumentation</i> , 2015 , 10, P11012-P11012	1	5
75	A 10-bit Low-Power Small-Area High-Swing CMOS DAC. <i>IEEE Transactions on Nuclear Science</i> , 2010 , 57, 292-299	1-7	5
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73	Measurement of the ratio of branching fractions $(\mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{J}) / \mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{K})) / (\mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{J}) / \mathcal{B}(\text{B} \rightarrow \text{c}^+ \text{p}))$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	5
72	A search for $(\Xi_{\text{cc}}^{++}) \rightarrow D^+ p K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
71	Observation of the decay $D^0 \rightarrow \pi^+ \pi^- p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
70	Performance of the INTPIX6 SOI pixel detector. <i>Journal of Instrumentation</i> , 2017 , 12, C01028-C01028	1	4
69	Observation of $B_{\text{s}}^0 \rightarrow \pi^+ \pi^- p$ Decays and Precision Measurements of the B_{s}^0 Masses. <i>Physical Review Letters</i> , 2019 , 122, 191804	7-4	4
68	Measurement of CP asymmetry in $B^0 \rightarrow D^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
67	Dalitz plot analysis of the $D^+ \rightarrow K^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4

66	Performance and Molière radius measurements using a compact prototype of LumiCal in an electron test beam. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
65	Particle identification using the time-over-threshold measurements in straw tube detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 573-574	1.2	4
64	New algorithms for identifying the flavour of [Formula: see text] mesons using pions and protons. <i>European Physical Journal C</i> , 2017 , 77, 238	4.2	4
63	Evidence for the two-body charmless baryonic decay ($\Lambda_b^+ \rightarrow \Lambda_c^+ \pi^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
62	First Observation of the Rare Purely Baryonic Decay $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$. <i>Physical Review Letters</i> , 2017 , 119, 232001	7.4	4
61	Measurement of CP observables in $B_{\text{c}}^0 \rightarrow D^{\pm} K^{\mp}$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
60	First observation and measurement of the branching fraction for the decay $B^0 \rightarrow D^+ K^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	4
59	A fast, low-power, 6-bit SAR ADC for readout of strip detectors in the LHCb Upgrade experiment. <i>Journal of Instrumentation</i> , 2014 , 9, P07006-P07006	1	4
58	Ultra-Low Power Fast Multi-Channel 10-Bit ADC ASIC for Readout of Particle Physics Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2016 , 63, 2622-2631	1.7	4
57	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
56	Measurement of forward top pair production in the dilepton channel in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
55	Measurement of D^0 production asymmetry in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
54	First observation of the decay $B^0 \rightarrow D^+ K^-$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
53	Amplitude analysis of the ($B_{\text{c}}^0 \rightarrow K^+ \overline{K}^0$) decays and measurement of the branching fraction of the ($B^0 \rightarrow K^+ \overline{K}^0$) decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
52	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
51	Characterization of high resolution CMOS monolithic active pixel detector in SOI technology. <i>Journal of Instrumentation</i> , 2015 , 10, P05010-P05010	1	3
50	Noise optimization of charge amplifier with MOS input transistor working in moderate inversion region		3
49	. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2011 , 4, 49	1.8	3

48	Search for heavy neutral leptons in ($W^+ \rightarrow \mu^+ \mu^{\pm}$, text {jet}) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
47	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
46	Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 232001	7.4	3
45	Search for long-lived particles decaying to $(e^{\pm}) (\mu^{\pm}) (\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
44	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
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42	Search for CP Violation in $D_{s^+} \rightarrow K_{S^0} \pi^+$, $D^{*+} \rightarrow K_{S^0} K^+$, and $D^{*+} \rightarrow \pi^+ \pi^+$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191803	7.4	2
41	Observation of the doubly Cabibbo-suppressed decay $B_c^- \rightarrow c^- \bar{p}$?. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
40	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
39	Measurement of the $(\Lambda_b^0) \rightarrow \pi^0$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
38	Measurement of CP observables in $B_{\mu}^0 \rightarrow D K_{\mu}^0$ and $B_{\mu}^0 \rightarrow D \pi_{\mu}^0$ with $D \rightarrow (K_{S^0} K^{\pm}) (\pi^{\pm})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
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34	Study of the $B^0 \rightarrow \pi^0 \pi^0$ decay with an amplitude analysis of $B^0 \rightarrow \pi^0 (K^+ \pi^-)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
33	FCAL R&D on Forward Calorimeters. <i>Acta Physica Polonica B</i> , 2015 , 46, 1297	1.9	2
32	Isospin Amplitudes in $B^0 \rightarrow \pi^0 \pi^0$ and $B^0 \rightarrow \pi^0 \pi^+$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 111802	7.4	2
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29	Measurement of $Z \rightarrow \mu\mu$ production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
28	Measurement of CP violation in $B^0 \rightarrow D^* \mu \mu$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
27	Measurement of CP observables in the process $B^0 \rightarrow D^* K^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
26	Measurements of the performance of a beam condition monitor prototype in a 5 GeV electron beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 826, 65-71	1.2	1
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24	Measurement of the branching fraction and (C)P asymmetry in $(B^+ \rightarrow J/\psi \rho^+)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	1
23	Development of scalable frequency and power Phase-Locked Loop in 130 nm CMOS technology. <i>Journal of Instrumentation</i> , 2014 , 9, C02006-C02006	1	1
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21	Radiation damage in transistors fabricated with lapis semiconductor 200 nm FD-SOI technology 2014,		1
20	Search for the $B^0 \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
19	Search for Baryon-Number Violating $[b]^0$ Oscillations. <i>Physical Review Letters</i> , 2017 , 119, 181807	7.4	1
18	Development of front-end electronics for LumiCal detector in CMOS 130 nm technology. <i>Journal of Instrumentation</i> , 2015 , 10, C01018-C01018	1	1
17	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> , 2015 , 10, P12015-P12015	1	1
16	2015,		1
15	Integrated charge sensitive amplifier with pole-zero cancellation circuit for high rates		1
14	Observation of the semileptonic decay $B^+ \rightarrow p \overline{\mu}^+ \nu_{\mu}$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
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12	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
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10	Measurement of the CP asymmetry in $B \rightarrow D$ & D^0 and $B \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
9	8-channel prototype of SALT readout ASIC for Upstream Tracker in the upgraded LHCb experiment. <i>Journal of Instrumentation</i> , 2017 , 12, C02007-C02007	1	0
8	Measurement of CP violation in $B^0 \rightarrow D^+ D^-$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
7	First measurement of the (CP)-violating phase in ($B^0 \rightarrow J/\psi$) ($\rightarrow e^+ e^-$)(ϕ) decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
6	Measurement of CP violation in the ($B_s^0 \rightarrow \phi \phi$) decay and search for the $B^0 \rightarrow \phi$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
5	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$) in the ψ mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
4	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
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2	Tracking with Straw Tubes in the PANDA Experiment. <i>EPJ Web of Conferences</i> , 2014 , 66, 11007	0.3	
1	Effect of finite granularity of detector on anisotropy coefficients. <i>European Physical Journal C</i> , 2006 , 48, 677-682	4.2	