

Adriano Lai

List of Publications by Year in Descending Order

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

307 papers	7,273 citations	41 h-index	73 g-index
335 ext. papers	8,752 ext. citations	4.4 avg, IF	2.96 L-index

#	Paper	IF	Citations
307	Searches for rare B_s^0 and B^0 decays into four muons. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
306	A Method Based on Muon System to Monitor LHCb Luminosity. <i>Symmetry</i> , 2022 , 14, 860	2.7	
305	First measurement of the CP-violating phase in $(B^0 \rightarrow J/\psi)(e^+e^-)(\phi)$ decays. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
304	Measurement of J/ψ production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
303	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
302	Search for the rare decay $B^0 \rightarrow J/\psi^*$. <i>Chinese Physics C</i> , 2021 , 45, 043001	2.2	1
301	Measurement of the branching fraction of the $(B^0 \rightarrow D^+_{s1} \pi^-)$ decay. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
300	Advances in 3D Sensor Technology by Using Stepper Lithography. <i>Frontiers in Physics</i> , 2021 , 8,	3.9	3
299	Search for long-lived particles decaying to $(e^{\pm})(\mu^{\pm})(\nu)$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
298	Search for the doubly charmed baryon Ξ_{cc} . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	0
297	Accurate modelling of 3D-trench silicon sensor with enhanced timing performance and comparison with test beam measurements. <i>Journal of Instrumentation</i> , 2021 , 16, P09028	1	1
296	X-ray detection by direct modulation of losses in a laser cavity. <i>Applied Physics Letters</i> , 2020 , 117, 234103	3.4	
295	Search for the Rare Decays $B_{s1}^0 \rightarrow e^+e^-$ and $B^0 \rightarrow e^+e^-$. <i>Physical Review Letters</i> , 2020 , 124, 211802	7.4	4
294	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
293	First Observation of Excited Ξ_b^{\pm} States. <i>Physical Review Letters</i> , 2020 , 124, 082002	7.4	18
292	Measurement of the $(\Lambda_b^0 \rightarrow J/\psi)$ angular distribution and the (Λ_b^0) polarisation in pp collisions. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
291	Measurement of CP observables in $B_{\pm}^0 \rightarrow DK_{\pm}$ and $B_{\pm}^0 \rightarrow D_{\pm}$ with $D \rightarrow (K^{\pm} K^{\pm} \pi^{\mp})$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2

290	Precision measurement of the (χ_{cc}^{++}) mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
289	Measurement of χ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV. <i>Chinese Physics C</i> , 2020 , 44, 022001	2.2	4
288	Amplitude analysis of the $B^+ \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2020 , 101,	4.9	19
287	Observation of Several Sources of CP Violation in $B^+ \rightarrow \pi^0 \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 031801	7.4	18
286	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s}=7$ and 13 TeV . <i>European Physical Journal C</i> , 2020 , 80,	4.2	4
285	Measurement of $ V_{cb} $ with $B_s^0 \rightarrow D_s^*(\pi^0) \pi^0$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	6
284	Measurement of the $(\eta_c(1S))$ production cross-section in $(p)(p)$ collisions at $(\sqrt{s}=13)$ (TeV). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
283	Search for CP violation in $(\chi_{cc}^{++} \rightarrow p \bar{K}^0 \pi^+)$ decays using model-independent techniques. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
282	Observation of the semileptonic decay $B^+ \rightarrow \bar{p} \mu^+ \nu_\mu$. <i>Journal of High Energy Physics</i> , 2020 , 2020,	5.4	1
281	Measurement of CP violation in $B^0 \rightarrow D^{*\mp} D^0$ decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
280	Search for the lepton flavour violating decay $B^+ \rightarrow K^0 \mu^+ \mu^-$ using (B_{s2}^{*0}) decays. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
279	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
278	Search for the doubly heavy (χ_{bc}^0) baryon via decays to $D^0 p K^0$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
277	Intrinsic time resolution of 3D-trench silicon pixels for charged particle detection. <i>Journal of Instrumentation</i> , 2020 , 15, P09029-P09029	1	6
276	Search for the doubly charmed baryon (χ_{cc}^{++}) . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	13
275	3D trenched-electrode pixel sensors: Design, technology and initial results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 981, 164437	1.2	3
274	Precision measurement of the (B_c^+) meson mass. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
273	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2020 , 101,	4.9	5

272	Measurement of $f_{\text{s}}/f_{\text{u}}$ Variation with Proton-Proton Collision Energy and B-Meson Kinematics. <i>Physical Review Letters</i> , 2020 , 124, 122002	7.4	7
271	Timing optimization for 3D silicon sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 958, 162491	1.2	
270	Search for $A^{\prime} \rightarrow \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2020 , 124, 041801	7.4	60
269	Measurement of b hadron fractions in 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	26
268	Measurement of CP observables in the process $B^0 \rightarrow DK^0$ with two- and four-body D decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
267	Search for the rare decay $(\{B^+\} \rightarrow \mu^+ \mu^- \mu^+ \mu^-)$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	8
266	Measurement of the CP-violating phase ϕ_1 from $B_s^0 \rightarrow J/\psi$ decays in 13 TeV pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134789	4.2	2
265	Observation of the $(\Lambda_b^0 \rightarrow \psi(3722) p) (3872) p K^0$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
264	Sensors, electronics and algorithms for tracking at the next generation of colliders. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 927, 306-312	1.2	2
263	Observation of the doubly Cabibbo-suppressed decay $\bar{B}^0 \rightarrow p \pi^-$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
262	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
261	3D trenched-electrode sensors for charged particle tracking and timing. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 927, 24-30	1.2	10
260	Precision resonance energy scans with the PANDA experiment at FAIR. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	21
259	Study of the $B^0 \rightarrow \psi(770) K^*(892)^0$ decay with an amplitude analysis of $B^0 \rightarrow (\psi K^0)$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
258	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \psi(2S) K^0$ and $B^0 \rightarrow J/\psi K^0$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
257	Dalitz plot analysis of the $D^+ \rightarrow K_S^0 K^+$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
256	Precision measurement of the Λ^+ , Λ^0 , and Λ_b^0 baryon lifetimes. <i>Physical Review D</i> , 2019 , 100,	4.9	14
255	Amplitude analysis of $B^0 \rightarrow K^0 S K^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5

254	Measurement of the branching fraction and (C/P) asymmetry in $(\{B\}^+ \rightarrow \{J/\psi\} \{\rho\}^+) \text{ decays. } \textit{European Physical Journal C}, \mathbf{2019}, 79, 1$	4.2	1
253	Near-threshold $(\overline{\mathrm{D}}\mathrm{D})$ spectroscopy and observation of a new charmonium state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	16
252	Amplitude analysis of the $(\{B\}_{(s)}^0 \rightarrow \{K\}^{\ast 0} \overline{\{K\}}^{\ast 0})$ decays and measurement of the branching fraction of the $(\{B\}^0 \rightarrow \{K\}^{\ast 0} \overline{\{K\}}^{\ast 0})$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
251	Observation of New Resonances in the $\Xi_b^0 \Xi^+ \Xi^-$ System. <i>Physical Review Letters</i> , 2019 , 123, 152001	7.4	22
250	Development of 3D trenched-electrode pixel sensors with improved timing performance. <i>Journal of Instrumentation</i> , 2019 , 14, C07011-C07011	1	6
249	Updated measurement of time-dependent (CP)-violating observables in $(\{B\}^0_{(s)} \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
248	Measurements of CP asymmetries in charmless four-body $(\{\varLambda\}^0_{(b)})$ and $(\{\varXi\}^0_{(b)})$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
247	Prompt $\bar{B}c$ production in pPb collisions at $(\sqrt{s_{\mathrm{NN}}}=5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
246	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019 , 14, P11023-P11023	1	3
245	A search for $(\{\Xi\}_{\mathrm{cc}}^{++}) \rightarrow D+pK^0$ decays. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
244	Measurement of CP violation in the $(\{B\}_s^0 \rightarrow \phi \phi)$ decay and search for the $B_0 \rightarrow ??$ decay. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	0
243	The nSYNC ASIC for the new readout electronics of the LHCb Muon Detector Upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 936, 378-379	1.2	0
242	Measurement of the B_c meson production fraction and asymmetry in 7 and 13 TeV pp collisions. <i>Physical Review D</i> , 2019 , 100,	4.9	4
241	Search for the Lepton-Flavor-Violating Decays $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2019 , 123, 211801	7.4	13
240	Long-term operation of the multi-wire-proportional-chambers of the LHCb muon system. <i>Journal of Instrumentation</i> , 2019 , 14, P11031-P11031	1	2
239	Search for Lepton-Flavor Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^- e^+$. <i>Physical Review Letters</i> , 2019 , 123, 241802	7.4	8
238	Measurement of CP-Violating and Mixing-Induced Observables in $B_{(s)}^0 \rightarrow ? \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 081802	7.4	2
237	Amplitude Analysis of $B^{\pm} \rightarrow \mu^{\pm} K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2019 , 123, 231802	7.4	14

236	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
235	Simulation of 3D-Silicon sensors for the TIMESPOT project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 936, 701-702	1.2	0
234	Search for excited B + c states. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
233	Measurement of CP asymmetry in $B^0 \rightarrow D^+ K^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
232	Search for the lepton-flavour violating decays $B^0(s) \rightarrow e^\pm \mu^\mp$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
231	First measurement of the CP-violating phase ($\phi_s^{\overline{d}}$) in $B^0 \rightarrow (K^+ K^-)$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
230	Measurement of branching fractions of charmless four-body $\overline{D}^0 b$ and $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
229	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S^0 K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
228	Study of η production in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}=8.16$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
227	Search for beautiful tetraquarks in the $\eta(1S)$ invariant-mass spectrum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	21
226	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018 , 78, 1008	4.2	3
225	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
224	Measurement of η production in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
223	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
222	Observation of the decay ($\overline{B}_s^0 \rightarrow \chi_{c2}^+ K^+ K^-$) in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	0
221	Search for a dimuon resonance in the η mass region. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
220	Studies of the resonance structure in decays. <i>European Physical Journal C</i> , 2018 , 78, 443	4.2	11
219	Angular moments of the decay $\overline{D}^0 b \rightarrow \mu^+ \mu^-$ at low hadronic recoil. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17

218	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
217	Measurement of the CKM angle γ using $B^\pm \rightarrow DK^\pm$ with $D \rightarrow K^0 S \mp K^0 S K + K^\pm$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
216	Measurement of D^\pm 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
215	Evidence for the decay $(B)_S^0 \rightarrow (\overline{K})^0 \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
214	Observation of the decay $\Lambda_b^- \rightarrow (\overline{D}^0 S) p$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
213	Measurement of the CP asymmetry in $B^\pm \rightarrow D^\pm D^0$ and $B^\pm \rightarrow D^0 D^0$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	1
212	Search for CP violation using triple product asymmetries in $\Lambda_b^- \rightarrow p K^\pm \pi^\mp$, $\Lambda_b^- \rightarrow p K^\pm K^\mp$ and $\Lambda_b^- \rightarrow p K^\pm \pi^\pm$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
211	First observation of $B^+ \rightarrow D^+ s K^+ K^-$ decays and a search for $B^+ \rightarrow D^+ s \gamma$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
210	Measurement of CP violation in $B^0 \rightarrow D^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
209	A binary readout chip for silicon microstrip detector in proton imaging application. <i>Journal of Instrumentation</i> , 2017 , 12, C01030-C01030	1	1
208	The active muon shield in the SHiP experiment. <i>Journal of Instrumentation</i> , 2017 , 12, P05011-P05011	1	16
207	Measurement of the phase difference between short- and long-distance amplitudes in the $[B_s^0 \rightarrow D_s^+ D_s^-]$ decay. <i>European Physical Journal C</i> , 2017 , 77, 161	4.2	25
206	Study of the $D^0 p$ amplitude in $\Lambda_b^- \rightarrow D^0 p \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
205	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
204	Study of prompt D^0 meson production in pPb collisions at $(\sqrt{s_{NN}}=5)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
203	Study of charmonium production in γ -hadron decays and first evidence for the decay. <i>European Physical Journal C</i> , 2017 , 77, 609	4.2	10
202	Improved limit on the branching fraction of the rare decay. <i>European Physical Journal C</i> , 2017 , 77, 678	4.2	7
201	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi \pi^+$ and $B^+ \rightarrow J/\psi K^+$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2

200	Search for the $B^0_s \rightarrow \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	1
199	Observation of the suppressed decay $B^0 \rightarrow \rho^0 \pi^0$. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
198	Test of lepton universality with $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
197	. <i>IEEE Transactions on Nuclear Science</i> , 2017 , 1-1	1.7	1
196	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
195	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
194	Evidence for the two-body charmless baryonic decay ($\{B\}^+ \rightarrow \overline{\text{p}} \overline{\text{Lambda}}^0$). <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
193	Resonances and CP violation in B^0 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> , 2017 , 2017, 1	5.4	13
192	Study of ($\text{b} \overline{\text{b}}$) correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
191	Measurement of CP observables in $B^0 \rightarrow DK^{*0}$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
190	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017 , 77, 812	4.2	23
189	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
188	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
187	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
186	2016 ,		1
185	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^{*0} \pi^0$ in the $K^{*0}(1430)^0$ region. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
184	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
183	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at ($\sqrt{s_{NN}}=5$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10

182	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
181	First observation of the decay $B^0 \rightarrow K^0 S K^*(892)^0$ at LHCb. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	3
180	Observation of the $B^0 \rightarrow J/\psi$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
179	Angular analysis of the $B^0 \rightarrow K^*0 \pi^0$ decay using 3 fb ⁻¹ of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
178	Measurement of the front-end dead-time of the LHCb muon detector and evaluation of its contribution to the muon detection inefficiency. <i>Journal of Instrumentation</i> , 2016 , 11, P04010-P04010	1	2
177	A precise measurement of the [Formula: see text] meson oscillation frequency. <i>European Physical Journal C</i> , 2016 , 76, 412	4.2	6
176	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
175	Observations of $\Lambda_b \rightarrow \bar{K}^0$ and $\Lambda_b \rightarrow \bar{K}^0 K^0$ decays and searches for other Λ_b and Λ_b decays to $B + h$ final states. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	17
174	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
173	Observation of $\Lambda_b \rightarrow \psi(2S) p K^0$ and $\Lambda_b \rightarrow J/\psi \Lambda K^0$ decays and a measurement of the Λ_b baryon mass. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
172	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> , 2016 , 2016, 1	5.4	25
171	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
170	Measurement of the ratio of branching fractions ($\frac{\mathcal{B}(\Lambda_b \rightarrow \psi(2S) p K^0)}{\mathcal{B}(\Lambda_b \rightarrow J/\psi \Lambda K^0)}$). <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
169	Measurement of forward W $\rightarrow e \nu$ production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
168	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
167	Measurements of the S-wave fraction in $B^0 \rightarrow K^0 \pi^0 \pi^0$ decays and the $B^0 \rightarrow K^*(892)^0 \pi^0$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
166	Model-independent measurement of the CKM angle Γ using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K^0 S \pi^0$ and $K^0 S K^0$. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
165	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015 , 75, 152	4.2	26

164	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
163	Search for the lepton flavour violating decay $B \rightarrow \ell \ell \ell$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
162	Precise measurements of the properties of the $B(5721)0,+$ and $B^*(5747)0,+$ states and observation of $B_{u,d}^0$ mass structures. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	14
161	Measurement of the $[B \rightarrow \ell \ell \ell]$ production cross-section in proton-proton collisions via the decay $[B \rightarrow \ell \ell \ell]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4-2	41
160	Measurement of CP asymmetries and polarisation fractions in ($B_s^0 \rightarrow \overline{K}^{*0} K^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
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157	Measurement of the exclusive B 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
156	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ branching fraction and search for the decay $B^0 \rightarrow \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	8
155	Forward production of B mesons in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	21
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153	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
152	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
151	Measurement of CP violation parameters and polarisation fractions in ($B_{\text{u,d}}^0 \rightarrow J/\psi \overline{K}^{*0} K^0$) decays. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	12
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145	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
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141	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
140	Addendum: Observation of double charm production involving open charm in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	27
139	Searches for (Λ_b^0) and (Ξ_b^0) decays to $(K_{\text{S}}^0 \pi^{\pm})$ and $(K_{\text{S}}^0 \pi^0)$ final states with first observation of the $(\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0)$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
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