

Albert Puig Navarro

List of Publications by Year in descending order

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Version: 2024-02-01

353
papers

19,061
citations

13099

68
h-index

17592

121
g-index

353
all docs

353
docs citations

353
times ranked

8603
citing authors

#	ARTICLE	IF	CITATIONS
1	phasespace: n-body phase space generation in Python. Journal of Open Source Software, 2019, 4, 1570.	4.6	3
2	Search for the CP-violating strong decays $\hat{1}\hat{a}^+\hat{1}\epsilon+\hat{1}\epsilon\hat{a}^-$ and $\hat{1}\hat{a}\epsilon^2(958)\hat{a}^+\hat{1}\epsilon+\hat{1}\epsilon\hat{a}^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	4.1	7
3	Search for the suppressed decays $B+\hat{a}^+K+K\hat{1}\epsilon\hat{a}^-$ and $B+\hat{a}^+\hat{1}\epsilon+\hat{1}\epsilon+K\hat{a}^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	4.1	9
4	Amplitude analysis of $B\rightarrow K^0\pi^+\pi^0$ decays. Physical Review D, 2017, 95, 014012.	4.7	92
5	Consistent with Exotic States from Amplitude Analysis of $B\rightarrow K^0\pi^+\pi^0$ Decays. Physical Review Letters, 2017, 118, 081801.	7.8	150
6	First Experimental Study of Photon Polarization in Radiative B_s0 Decays. Physical Review Letters, 2017, 118, 021801.	7.8	25
7	Measurement of forward $B\rightarrow K^0\pi^+\pi^0$ decays. Physical Review Letters, 2017, 118, 021801.	4.1	7
8	Measurement of the phase difference between short- and long-distance amplitudes in the $B\rightarrow K^0\pi^+\pi^0$ decays. European Physical Journal C, 2017, 77, 161.	4.7	21
9	Measurement of the $B\rightarrow K^0\pi^+\pi^0$ production cross section in 7 and 13 TeV collisions. Physical Review Letters, 2017, 118, 052002.	7.8	52
10	Measurement of the phase difference between short- and long-distance amplitudes in the $B\rightarrow K^0\pi^+\pi^0$ decays. European Physical Journal C, 2017, 77, 161.	3.9	51
11	Study of the $D^0\rightarrow p\bar{p}$ amplitude in $B^0\rightarrow D^0\pi^+\pi^0$ decays. Journal of High Energy Physics, 2017, 2017, 147.	14.7	54
12	Observation of $B\rightarrow K^0\pi^+\pi^0$ and $B\rightarrow K^0\pi^+\pi^0$ decays. European Physical Journal C, 2017, 77, 72.	3.9	7
13	Measurement of CP asymmetry in $D^0\rightarrow K^0K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	4.1	17
14	Observation of the Decay $B\rightarrow K^0\pi^+\pi^0$. Physical Review Letters, 2017, 118, 071801.	7.8	9
15	Search for long-lived scalar particles in $B\rightarrow K^0\pi^+\pi^0$ decays. Physical Review Letters, 2017, 118, 071801.	7.8	9
16	Measurements of charm mixing and $B\rightarrow K^0\pi^+\pi^0$ violation using $B\rightarrow K^0\pi^+\pi^0$ decays. Physical Review D, 2017, 95, .	4.7	79
17	Observation of $B_c\rightarrow D^0(*)K^0(*)$ decays. Physical Review D, 2017, 95, .	4.7	12
18	Measurements of charm mixing and $B\rightarrow K^0\pi^+\pi^0$ violation using $B\rightarrow K^0\pi^+\pi^0$ decays. Physical Review D, 2017, 95, .	4.7	11

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19	Measurement of the B_{\pm}^0 production asymmetry and the CP asymmetry in $B_{\pm}^0 \rightarrow \bar{K}^0$ decays. Physical Review D, 2017, 95, .	4.7	6
20	Search for the $B_s^0 \rightarrow \bar{D}^0 \pi^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
21	Observation of Five New Narrow $B \rightarrow D^* \pi$ Decays. Physical Review Letters, 2017, 118, 111603.	7.8	25
22	States Decaying to B_c^0 . Physical Review Letters, 2017, 118, 111603.	7.8	234
23	Measurement of the B_c^0 branching fraction and search for $B_c^0 \rightarrow D^* \pi$. Physical Review Letters, 2017, 118, 111603.	4.1	18
24	Branching Fraction and Effective Lifetime and Search for $B_c^0 \rightarrow D^* \pi$. Physical Review Letters, 2017, 118, 111603.	7.8	220
25	Study of B_c^0 Production in Jets. Physical Review Letters, 2017, 118, 111603.	7.8	39
26	Search for the Decays $B_c^0 \rightarrow D^* \pi$ and $B_c^0 \rightarrow D^* \pi$. Physical Review Letters, 2017, 118, 111603.	7.8	81
27	Observation of the suppressed decay $B_c^0 \rightarrow D^* \pi$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
28	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	34
29	Search for CP violation in the phase space of $D^0 \rightarrow \bar{K}^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	4.1	10
30	Evidence for the two-body charmless baryonic decay $B_c^0 \rightarrow \bar{p} \Lambda^0$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
31	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
32	The LHCb Starterkit. Journal of Physics: Conference Series, 2017, 898, 082054.	0.4	0
33	The LHCb Starterkit initiative. , 2017, , .		0
34	Rare B decays at LHCb. , 2017, , .		0
35	A precise measurement of the B^0 meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	3.9	21
36	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	3.9	26

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37	Observations of $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^0$ decays and searches for other B^0 and B^0 decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
38	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
39	Observation of $B^0 \rightarrow (2S) p K^+$ and $B^0 \rightarrow \bar{K}^0 \bar{K}^+ p K^+$ decays and a measurement of the B^0 baryon lifetime. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
40	Measurement of the properties of the Λ_b^0 baryon. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
41	Production of associated Υ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	4.7	37
42	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
43	Measurement of the ratio of branching fractions $\mathcal{B}(B_c \rightarrow \hat{K}^+ J / \bar{K}^+ K^+ / \hat{K}^+ B_c \rightarrow \hat{K}^+ J)$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
44	Measurement of forward $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
45	Measurement of the CKM angle β^3 from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
46	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ and $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays and the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ differential branching ratio. Journal of High Energy Physics, 2016, 2016, 1.	4.7	75
47	Study of the production of B_c and B_c^+ hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	3.7	77
48	A new algorithm for identifying the flavour of B_c mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	1.2	12
49	Amplitude analysis of $B_c \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, 014001.	4.7	72
50	Study of B_c^+ decays to the $K^+ K^0 \pi^+$ final state and evidence for the decay $B_c^+ \rightarrow K^+ \pi^+ \pi^0$. Physical Review D, 2016, 94, 014001.	4.7	20
51	Violation in $B_c \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, 014001.	7.8	12
52	Measurement of the B_c^+ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	4.1	6
53	Preparation and commissioning of LHCb for the Run II of LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 35-37.	1.6	0
54	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \mu^- \pi^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	4.1	20

#	ARTICLE	IF	CITATIONS
55	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B_0 \rightarrow DK^* \rightarrow 0$ decays with $D \rightarrow K^* S^0 \bar{K}^0 + \bar{K}^* S^0$ and $K^* S^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. First study of the CP-violating phase and decay-width difference in $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	4.7	47
56	Measurements of long-range near-side angular correlations in pp collisions in the forward region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 762, 473-483.	4.1	17
57	Search for B_c^+ decays to the $pp \rightarrow \bar{K}^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 313-321.	4.1	12
59	Observation of the $B \rightarrow D^* K^* S^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 282-292.	4.1	14
60	Measurement of CP observables in $B \rightarrow D^* K^* S^0$ and $B \rightarrow D^* K^* S^0$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 117-131.	4.1	20
61	Model-independent evidence for $B \rightarrow D^* K^* S^0$ mixing. <i>Physical Review D</i> , 2016, 93, 1.	7.8	22
62	Contributions to $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	7.8	102
63	Studies of the resonance structure in $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	7.8	110
64	Measurement of the mass and lifetime of the $B \rightarrow D^* K^* S^0$ baryon. <i>Physical Review D</i> , 2016, 93, 1.	4.7	20
65	First observation of $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	4.7	13
66	Oscillations in $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	7.8	27
67	First observation of the rare $B \rightarrow D^* K^* S^0$ decay. <i>Physical Review D</i> , 2016, 93, 1.	4.7	5
68	Measurement of the $B_s \rightarrow D^* K^* S^0$ and $D_s \rightarrow K^* S^0$ branching fractions. <i>Physical Review D</i> , 2016, 93, 1.	4.7	5
69	Constraints on the unitarity triangle angle $\hat{\beta}^3$ from Dalitz plot analysis of $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	4.7	13
70	Observation of $B_s \rightarrow D^* K^* S^0$ and Evidence for $B_s \rightarrow D^* K^* S^0$ decays. <i>Physical Review Letters</i> , 2016, 116, 161802.	8.8	6
71	Asymmetries in $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	7.8	42
72	Search for Violations of Lorentz Invariance and $B \rightarrow D^* K^* S^0$ Symmetry in $B \rightarrow D^* K^* S^0$ decays. <i>Physical Review D</i> , 2016, 93, 1.	7.8	31

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73	Search for Structure in the $B \rightarrow K^0 \pi^+ \pi^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	4.7	78
74	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ in the K_S^0 region. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
75	Study of $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ mesons decaying to $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
76	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	4.7	59
77	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
78	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2016, 2016, .	4.7	13
79	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	100
80	First observation of the decay $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
81	Observation of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
82	First observation of the decay $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ in the K_S^0 region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	4.1	13
83	The LHCb Turbo stream. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 38-39.	1.6	2
84	Angular analysis of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay using 3 fb ⁻¹ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	304
85	Study of CP violation in $B^0 \rightarrow D^+ D^- (h=K, \pi)$ with the modes $D^+ \rightarrow K^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^0$. Physical Review D, 2015, 91, .	4.7	14
86	Study of $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. Physical Review D, 2015, 92, .	4.7	6
87	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	7.8	22
88	Evidence for the Strangeness-Changing Weak Decay $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$. Physical Review Letters, 2015, 115, 112001.	7.8	25
89	First observation and amplitude analysis of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. Physical Review Letters, 2015, 115, 112001.	4.7	50
90	Quantum numbers of the $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decay. Physical Review Letters, 2015, 115, 112001.	4.7	69

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91	Amplitude analysis of $B \rightarrow D K^0$ decays. Physical Review D, 2015, 92, .	4.7	30
92	Dalitz plot analysis of $B \rightarrow D K^0$ decays. Physical Review D, 2015, 92, .	4.7	80
93	Study of W boson production in association with beauty and charm. Physical Review D, 2015, 92, .	4.7	22
94	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_\tau) / B(B_c \rightarrow J/\psi \tau^+ \nu_\tau)$. Physical Review D, 2015, 92, .	4.7	14
95	Search for the rare decays $B \rightarrow \tau^+ \nu_\tau$ and $B_s \rightarrow \tau^+ \nu_\tau$. Physical Review D, 2015, 92, .	4.7	8
96	Model-independent confirmation of the $Z \rightarrow T_{jET} Q \bar{Q}$ violation. Physical Review D, 2015, 92, .	4.5	15
97	Measurement of $C \rightarrow P$ violation in $B \rightarrow D^0$ decays. Physical Review Letters, 2015, 115, 031601.	7.8	30
98	Observation of the $B_s \rightarrow \tau^+ \nu_\tau$ decay. Physical Review Letters, 2015, 115, 051801.	7.8	9
99	Observation of J/ψ resonances consistent with pentaquark states in $B \rightarrow J/\psi p$ decays. Physical Review Letters, 2015, 115, 031601.	7.8	816
100	Measurement of the Ratio of Branching Fractions $B(B \rightarrow D^0) / B(B \rightarrow D^+)$. Physical Review D, 2015, 92, .		

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109	Measurement of the forward-backward asymmetry in $Z/\hat{\nu} \rightarrow \hat{\nu} + \hat{\nu}$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
110	First observation and measurement of the branching fraction for the decay $B \rightarrow D^* K^*$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7
111	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow D^* K^*$ decay. Journal of High Energy Physics, 2015, 2015, .	4.7	36
112	Measurement of the time-integrated CP asymmetry in $D^* K^* K^* K^*$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
113	Measurement of CP violation parameters and polarisation fractions in $B \rightarrow J/\psi K^* K^*$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
114	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
115	Differential branching fraction and angular analysis of $B \rightarrow D^* K^*$ decays. Journal of High Energy Physics, 2015, 2015, .	4.7	82
116	Measurement of the time-dependent CP asymmetries in $B \rightarrow J/\psi K^* K^*$. Journal of High Energy Physics, 2015, .	4.7	12
117	Search for the decay $B \rightarrow D^* K^*$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
118	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
119	Observation of the decay $B \rightarrow D^* K^*$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	4.1	13
120	Angular analysis and differential branching fraction of the decay $B \rightarrow D^* K^*$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	191
121	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	14
122	Angular analysis of the $B \rightarrow D^* K^*$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
123	Determination of the branching fractions of $B \rightarrow D^* K^*$ and $B \rightarrow D^* K^*$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
124	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	3.9	11
125	Observation of the $B \rightarrow D^* K^*$ decay from an amplitude analysis of $B \rightarrow D^* K^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	4.1	14
126	Measurement of the lifetime of the B meson using the $B \rightarrow D^* K^*$ decay. Journal of High Energy Physics, 2015, 2015, 1.	4.7	29

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127	Observation of Two New $\tilde{\chi}_0^0$ and $\tilde{\chi}_1^0$ Decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	7.8	47
128	Measurement of the CP-violating phase β_1 in $B \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 742, 38-49.	4.1	31
129	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015, 11, 743-747.	16.7	105
130	Determination of β_3 and charmless two-body decays of beauty mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 741, 1-11.	4.1	13
131	Study of the rare $B \rightarrow \pi^0 \ell^+ \ell^-$ and $B \rightarrow \pi^0 \ell^+ \ell^-$ decays into the $\tilde{\chi}_0^0, \tilde{\chi}_1^0, \tilde{\chi}_2^0, \tilde{\chi}_3^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 45-55.	4.1	17
132	Measurement of the Semileptonic $B \rightarrow \pi^0 \ell^+ \ell^-$ Asymmetry in $B \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	7.8	32
133	Violation in $B \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	7.8	65
134	Measurement of $B \rightarrow \pi^0 \ell^+ \ell^-$ in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2015, 114, 132001.	7.8	61
135	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015, 30, 1530022.	1.5	604
136	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015, 75, 152.	3.9	44
137	Search for CP violation in $B \rightarrow \pi^0 \ell^+ \ell^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 740, 158-167.	4.7	9
138	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.	4.7	9
139	Search for the lepton flavour violating decay $B \rightarrow \pi^0 \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	32
140	Precise measurements of the properties of the $B(5721)_{0,+}$ and $B(5747)_{0,+}$ states and observation of $B \rightarrow \pi^0 \ell^+ \ell^-$ mass structures. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	21
141	Measurement of indirect CP asymmetries in $D^0 \rightarrow \pi^+ K^0$ and $D^0 \rightarrow \pi^+ \bar{K}^0$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015, 2015, .	4.7	17
142	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015, 522, 68-72.	27.8	390
143	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015, 10, P06013-P06013.	1.2	42
144	Measurement of the $\sigma_c(1S)$ production cross-section in proton-proton collisions via		

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145	Measurement of the C and P violation parameters in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 082003.	7.8	15
146	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	27
147	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	28
148	Updated measurements of exclusive $\bar{B} \rightarrow \bar{D} K^{\pm}$ and $\bar{B} \rightarrow \bar{D} K^{\pm}$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 055002.	3.6	111
149	Measurement of CP asymmetries in the decays $B \rightarrow \bar{D} K^{\pm}$ and $B \rightarrow \bar{D} K^{\pm}$. <i>Journal of High Energy Physics</i> , 2014, 2014, .	4.7	26
150	Observation of $B_{\text{s}}^0 \rightarrow \bar{D} K^{\pm}$ and evidence for $B_{\text{s}}^0 \rightarrow \bar{D} K^{\pm}$ decays. <i>New Journal of Physics</i> , 2014, 16, 123001.	2.9	13
151	Measurement of CP violation and constraints on the CKM angle $\hat{\Gamma}^3$ in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Nuclear Physics B</i> , 2014, 888, 169-193.	2.5	27
152	Measurement of the $B \rightarrow \bar{D} K^{\pm}$ and $B \rightarrow \bar{D} K^{\pm}$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 739, 218-228.	4.1	23
153	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. <i>Physical Review Letters</i> , 2014, 113, 082003.	7.8	15
154	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	27
155	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	28
156	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	73
157	Search for Majorana Neutrinos in $B \rightarrow \bar{D} K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2014, 112, 131802.	7.8	106
158	Measurement of the $B \rightarrow \bar{D} K^{\pm}$ Meson Lifetime in $D_s \rightarrow \bar{D} K^{\pm}$ Decays. <i>Physical Review Letters</i> , 2014, 113, 172001.	7.8	14
159	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	78
160	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	4.7	67
161	Measurement of the resonant and non-resonant components in $B \rightarrow \bar{D} K^{\pm}$ decays. <i>Physical Review Letters</i> , 2014, 113, 152003.	7.8	80
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164	Measurement of the ratio of $\frac{B \rightarrow D^* K^0}{B \rightarrow D^* K^+ K^-}$ fractions to $\frac{B \rightarrow D^* K^0}{B \rightarrow D^* K^+ K^-}$ decays. Physical Review Letters, 2014, 112, 041801.	7.8	20
165	Precision Measurement of the Mass and Lifetime of the Λ_b^0 Baryon. Physical Review Letters, 2014, 113, 032001.	7.8	36
166	Test of Lepton Universality Using $\frac{B \rightarrow D^* K^0}{B \rightarrow D^* K^+ K^-}$ Decays. Physical Review Letters, 2014, 113, 151601.	7.8	845
167	Precision Measurement of the Mass and Lifetime of the Λ_b^0 Baryon. Physical Review Letters, 2014, 113, 032001.	7.8	39
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169	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	7.8	26
170	Observation of $B \rightarrow D^* K^0$ Decays and Measurement of the $\theta_1(1285)$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	7.8	24
171	Measurement of the Ratio of $\frac{B \rightarrow D^* K^0}{B \rightarrow D^* K^+ K^-}$ fractions to $\frac{B \rightarrow D^* K^0}{B \rightarrow D^* K^+ K^-}$ decays. Physical Review Letters, 2014, 112, 151601.	4.7	31
172	Studies of Beauty baryon decays to $\frac{B \rightarrow D^* K^0}{B \rightarrow D^* K^+ K^-}$ decays. Physical Review Letters, 2014, 112, 151601.	4.7	31
173	Observation of charmonium pairs produced exclusively in pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	3.6	14
174	Study of χ_{c1} b meson production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2014, 74, .	3.9	43
175	Search for CP violation in $D \rightarrow K^0 K^{\pm}$ and $D_s \rightarrow K^0 K^{\pm}$ decays. Journal of High Energy Physics, 2014, 1, .	4.7	13
176	First observations of the rare decays $B \rightarrow K^* K^0$ and $B \rightarrow K^* K^{\pm}$. Journal of High Energy Physics, 2014, 2014, 1, .	4.7	9
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179	Measurement of CP asymmetry in $B \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1, .	4.7	14
180	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1, .	4.7	24

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182	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
183	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	74
184	Effective lifetime measurements in the $B \rightarrow K^* \ell^+ \ell^-$ decays with \dots Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 36-45.	4.1	40
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187	Measurements of the B^+ , B^0 , B_s^0 meson and Λ_b^0 baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	4.7	26
188	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* K^*(892)^0$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
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197	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ meson lifetime using $B \rightarrow K^* \ell^+ \ell^- / \psi$ $\mu^+ \mu^-$ X $B \rightarrow K^* \ell^+ \ell^-$. European Physical Journal C, 2014, 74, 2839.	3.9	43

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200	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	3.9	30
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202	Search for CP violation in the decay $D \rightarrow \pi^0 \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	4.1	19
203	Observation of the Resonant Character of the $D \rightarrow \pi^0 \pi^0 \pi^0$ Decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	4.1	12
204	Observation of the Resonant Character of the $D \rightarrow \pi^0 \pi^0 \pi^0$ Decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	7.8	325
205	Observation of Photon Polarization in the $D \rightarrow \pi^0 \pi^0 \pi^0$ Decay. Physical Review Letters, 2013, 111, 171801.	7.8	46
206	Precision measurement of the ratio of the $D \rightarrow \pi^0 \pi^0 \pi^0$ to $D \rightarrow \pi^+ \pi^- \pi^0$ decays. Physical Review Letters, 2013, 111, 171801.	4.1	50
207	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	1.2	110
208	Differential branching fraction and angular analysis of the decay $B \rightarrow \pi^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	103
209	Search for CP violation in $D \rightarrow \pi^+ \pi^- \pi^0$ and $D \rightarrow K_S^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
210	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	65
211	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
212	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
213	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	4.7	89
214	Measurement of CP observables in $B \rightarrow D^* K^* \ell^+ \ell^-$ with $D^* \rightarrow K^* K^0$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	6
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236	Observation of the decay $B_c^+ \rightarrow J/\psi K + K \bar{\psi} \ell^+$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	25
237	First observation of the decay $B_s^0 \rightarrow \phi \bar{K}^{*0}$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	9
238	First Evidence for the Decay $B_c^+ \rightarrow J/\psi K^+ K^0$. <i>Physical Review Letters</i> , 2013, 110, 021801.	7.8	292
239	First Observation of $B_c^+ \rightarrow J/\psi K^+ K^0$ Violation in the Decays of B_c^+ . <i>Physical Review Letters</i> , 2013, 110, 221601.	7.8	105
240	Search for the rare decay $K_S^0 \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	13
241	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7$, TeV using tau final states. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	14
242	Measurement of the ratio of branching fractions $B \rightarrow \tau^+ \tau^-$. <i>Physical Review Letters</i> , 2013, 110, 021801.	2.5	48
243	Prompt charm production in pp collisions at $\sqrt{s}=7$, TeV . <i>Physical Review Letters</i> , 2013, 110, 021801.	2.5	175
244	Prompt charm production in pp collisions at $\sqrt{s}=7$, TeV . <i>Nuclear Physics B</i> , 2013, 871, 1-20.	2.5	228
245	Observation of the suppressed ADS modes $B_c^+ \rightarrow J/\psi K^+ K^0$. <i>Physical Review Letters</i> , 2013, 110, 021801.	4.1	15
246	Measurement of the CKM angle β from a combination of $B \rightarrow \tau^+ \tau^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 411-415.	4.1	16
247	Search for "direct" CP violation in $B \rightarrow \tau^+ \tau^-$ modes using semileptonic B decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 44-53.	4.1	16
248	Measurement of the CKM angle β from a combination of $B \rightarrow \tau^+ \tau^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 44-53.	4.1	16
249	Observation of the decay $B_c^+ \rightarrow J/\psi K^+ K^0$. <i>Physical Review Letters</i> , 2013, 110, 021801.	4.1	54
250	Search for the rare decay $B_c^+ \rightarrow J/\psi K^+ K^0$. <i>Physical Review Letters</i> , 2013, 110, 021801.	4.1	15
251	Search for the rare decay $B_c^+ \rightarrow J/\psi K^+ K^0$. <i>Physical Review Letters</i> , 2013, 110, 021801.	4.1	33
252	Measurement of the differential branching fraction of the decay $B_c^+ \rightarrow J/\psi K^+ K^0$. <i>Physical Review Letters</i> , 2013, 110, 021801.	4.1	35

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254	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33
255	Observation of $B \rightarrow D^* \tau^+ \nu_\tau$ and measurement of the relative branching fractions of $B \rightarrow D^* \tau^+ \nu_\tau$ and $B \rightarrow D^* \mu^+ \nu_\mu$. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 111, 181801.	2.5	17
256	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	7.8	65
257	Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	2.5	24
258	Precision measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	4.1	28
259	Precision measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	2.9	59
260	Exclusive $B \rightarrow D^* \tau^+ \nu_\tau$ and $B \rightarrow D^* \mu^+ \nu_\mu$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	3.6	104
261	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ \nu_\tau \mu^+ \nu_\mu$ and $B \rightarrow \tau^+ \nu_\tau \mu^+ \nu_\mu$. Physical Review Letters, 2013, 111, 181801.	4.7	74
262	Measurement of $B \rightarrow D^* \tau^+ \nu_\tau$ violation and the $B \rightarrow D^* \tau^+ \nu_\tau$ decay width difference with $B \rightarrow D^* \mu^+ \nu_\mu$. Physical Review Letters, 2013, 111, 181801.	4.7	74
263	Measurement of $B \rightarrow D^* \tau^+ \nu_\tau$ violation and the $B \rightarrow D^* \tau^+ \nu_\tau$ decay width difference with $B \rightarrow D^* \mu^+ \nu_\mu$. Physical Review Letters, 2013, 111, 181801.	4.7	74
264	First observations of $B \rightarrow D^* \tau^+ \nu_\tau$, $D_s \rightarrow D^* \tau^+ \nu_\tau$ and $D \rightarrow D^* \tau^+ \nu_\tau$ decays. Physical Review D, 2013, 87, .	4.7	22
265	Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	7.8	13
266	Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	7.8	19
267	Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	7.8	19
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270	Measurement of the $B \rightarrow D^* \tau^+ \nu_\tau$ decay and search for $B \rightarrow D^* \tau^+ \nu_\tau$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	7.8	72

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272	Measurement of the polarization amplitudes in $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$. Physical Review D, 2013, 87, .		
273	Violation in the Phase Space of $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$. Physical Review D, 2013, 87, .	7.8	101
274	Measurement of Form-Factor-Independent Observables in the Decay $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$. Physical Review D, 2013, 87, .	4.7	32
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277	Study of $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$ and $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$ decays. Physical Review D, 2013, 87, .	4.7	11
278	Asymmetry in $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$. Physical Review Letters, 2013, 110, 031801.	7.8	22
279	Studies of the decays $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$ and observation of $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$ (1520)p. Physical Review D, 2013, 88, .	4.7	12
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281	First observation of $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$. Physical Review Letters, 2013, 110, 151803.	7.8	91
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287	First Observation of the Decay $B \rightarrow D^* \bar{c} \bar{c} \bar{c}$. Physical Review Letters, 2012, 108, 251802.	7.8	62
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310	Measurement of the fraction of $\Lambda_c(1S)$ originating from $\Lambda_b(1P)$ decays in pp collisions at $\sqrt{s}=7, TeV$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
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313	Two-Body Decays of B_c Mesons. Physical Review Letters, 2012, 108, 111502	7.8	49
314	Measurement of the ratio of branching fractions $\frac{B(B \rightarrow s \pi^+ \pi^-)}{B(B \rightarrow \pi^+ \pi^-)}$		

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327	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
328	Inclusive W and Z production in the forward region at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	71
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331	Search for the rare decays $B \rightarrow \bar{D}^0 \mu^+ \mu^-$ and $B \rightarrow D^0 \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	4.1	34
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333	First observation of the decay $B \rightarrow \bar{D}^0 \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	4.1	27
334	Measurement of the $B \rightarrow \bar{D}^0 \mu^+ \mu^-$ oscillation frequency. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 177-184.	4.1	47
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345	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	3.9	238
346	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	18
347	First observation of Λ_c^+ production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	29
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351	Event reconstruction in the LHCbOnline cluster. Journal of Physics: Conference Series, 2010, 219, 022020.	0.4	4
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