

# Paolo Gandini

## List of Publications by Year in descending order

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Version: 2024-02-01

416  
papers

22,338  
citations

9786

73  
h-index

13771

129  
g-index

420  
all docs

420  
docs citations

420  
times ranked

8831  
citing authors

#	ARTICLE	IF	CITATIONS
1	The SALTâ€”Readout ASIC for Silicon Strip Sensors of Upstream Tracker in the Upgraded LHCb Experiment. Sensors, 2022, 22, 107.	3.8	3
2	Search for excited B c + states. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
3	Search for Dark Photons Produced in 13 TeV $pp$ Collisions. Physical Review Letters, 2018, 120, 061801.	7.8	113
4	First observation of forward $Z\tau^+\tau^-$ production in $pp$ collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	4.1	2
5	Measurement of CP observables in $B_{\pm}\tau^+D(\tilde{K})K_{\pm}$ and $B_{\pm}\tau^+D(\tilde{K})\tilde{K}_{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	4.1	15
6	Measurement of CP asymmetry in $B^0 \rightarrow \tau^+\tau^- sK_{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 4.7		13
7	Search for the lepton-flavour violating decays $B^0 \rightarrow \tau^+\tau^- e^{\pm}\mu^{\pm}$ . Journal of High Energy Physics, 2018, 2018, 1.		21
8	Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(B \rightarrow \tau^+\tau^-)}{\mathcal{B}(B \rightarrow \mu^+\mu^-)}$		



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37	Search for the $B_s \rightarrow \bar{D}^* K^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
38	Observation of the decay $B^0 \rightarrow \rho^+ K^-$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	4.7	11
39	Measurement of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review Letters, 2017, 119, 112001.	7.8	15
40	Observation of the Doubly-Charmed Baryon $\Lambda_{cc}^+$ . Physical Review Letters, 2017, 119, 112001.	7.8	417
41	Measurement of the CP Violation Parameter $A^{\text{CP}}$ in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2017, 118, 261803.	7.8	20
42	Observation of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2017, 118, 111803.	7.8	25
43	States Decaying to $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 118, 111803.	7.8	234
44	Measurement of CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D_s^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	4.1	8
45	Measurement of $B \rightarrow D^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	4.1	18
46	Observation of the $B^0 \rightarrow \rho^+ K^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	4.1	17
47	Branching Fraction and Effective Lifetime and Search for $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2017, 118, 112001.	7.8	220
48	Study of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2017, 118, 112001.	7.8	39
49	Observation of the Decays $B^0 \rightarrow \rho^+ K^-$ and $B^0 \rightarrow \rho^0 K^0$ . Physical Review Letters, 2017, 119, 062001.	7.8	28
50	Observation of the $B \rightarrow D^* K^0$ decay. Physical Review D, 2017, 96, .	4.7	4
51	Search for the Decays $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ . Physical Review Letters, 2017, 118, 251802.	7.8	81
52	Observation of the suppressed decay $B^0 \rightarrow \rho^+ K^-$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
53	Test of lepton universality with $B \rightarrow K^* \ell^+ \ell^-$ , $B \rightarrow K^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	425
54	$\tilde{\Gamma}_{c1}$ and $\tilde{\Gamma}_{c2}$ Resonance Parameters with the Decays $B \rightarrow \tilde{\Gamma}_{c1} K^0$ and $B \rightarrow \tilde{\Gamma}_{c2} K^0$ . Physical Review Letters, 2017, 119, 221801.	4.7	18

#	ARTICLE	IF	CITATIONS
55	Observation of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , 2017, 119, 181805.	7.8	21
56	LHCb Collaboration. <i>Nuclear Physics A</i> , 2017, 967, 987-993.	1.5	1
57	Search for Baryon-Number Violating $B \rightarrow p \pi^0$ Oscillations. <i>Physical Review Letters</i> , 2017, 119, 181807.	7.8	6
58	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	34
59	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. <i>European Physical Journal C</i> , 2017, 77, 238.	3.9	11
60	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, .	4.7	35
61	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 769, 345-356.	4.1	10
62	Evidence for the two-body charmless baryonic decay $B \rightarrow \Lambda^0 p \bar{\Lambda}^-$ . <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	10
63	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow \Lambda^0 p \bar{\Lambda}^-$ . <i>Physical Review Letters</i> , 2017, 119, 232001.	7.8	15
64	Resonances and CP violation in $B \rightarrow s \pi^0$ and $B \rightarrow s \pi^0 \pi^0$ decays in the mass region above the $\bar{\Lambda}(1020)$ . <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	19
65	Study of $\overline{B} \rightarrow \overline{B} \pi^0$ correlations in high energy proton-proton collisions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	10
66	Measurement of CP observables in $B \rightarrow DK^*$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	7
67	Measurement of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 138-150.	4.1	13
68	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017, 2017, .	4.7	9
69	First Observation of a Baryonic $B \rightarrow p \pi^0$ Decay. <i>Physical Review Letters</i> , 2017, 119, 041802.	4.7	14
70	Updated search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2017, 77, 812.	3.9	41
71	Updated branching fraction measurements of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017, 2017, .	4.7	6
72	Search for decays of neutral beauty mesons into four muons. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	12

#	ARTICLE	IF	CITATIONS
73	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ . Journal of High Energy Physics, 2017, .	4.7	6
74	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
75	Measurement of the $B_{\pm}^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	4.7	17
76	Measurement of the $Y(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
77	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi \pi^+$ and $B^+ \rightarrow J/\psi K^+$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
78	A precise measurement of the $B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	3.9	21
79	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	3.9	26
80	Observations of $\bar{b} \rightarrow c \bar{c} K^+$ and $\bar{b} \rightarrow c \bar{c} K^0$ decays and searches for other $\bar{b} \rightarrow c$ decays to final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
81	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
82	Observation of $\bar{b} \rightarrow c \bar{c} (2S) p K^+$ and $\bar{b} \rightarrow c \bar{c} J/\psi \pi^+ p K^+$ decays and a measurement of the $\bar{b} \rightarrow c$ baryon matrix element. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
83	Measurement of the properties of the $\bar{\Lambda}_b^0$ baryon. Journal of High Energy Physics, 2016, 2016, .	4.7	21
84	Production of associated Y 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
85	Measurement of the CKM angle $\beta^3$ using $B^0 \rightarrow DK^*$ with $D \rightarrow K S^0 \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2016, 2016, .	4.7	8
86	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
87	Measurement of the ratio of branching fractions $\mathcal{B}(B_c^+ \rightarrow J/\psi K^+) / \mathcal{B}(B_c^+ \rightarrow J/\psi K^0)$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
88	Measurement of forward $W^+ e^{1/2}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
89	Measurement of the CKM angle $\beta^3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
90	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \ell^+ \ell^-$ and $B^0 \rightarrow K^+ \ell^+ \ell^-$ decays and the $B^0 \rightarrow K^+ \ell^+ \ell^-$ differential branching fractions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	75

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91	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	3.7	77
92	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	1.2	12
93	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, .	4.7	73
94	Study of $B_c^+$ decays to the $K^+ \bar{K}^0$ final state and evidence for the decay $B_c^+ \rightarrow \pi^+ \bar{K}^0$ . Physical Review D, 2016, 94, .	4.7	20
95	Violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	7.8	12
96	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	4.1	6
97	Testbeam studies of pre-prototype silicon strip sensors for the LHCb UT upgrade project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 806, 244-257.	1.6	0
98	Search for the lepton-flavour violating decay $D^0 \rightarrow \pi^+ \mu^- \tau^+$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	4.1	20
99	Model-independent measurement of the CKM angle $\beta^3$ using $B^0 \rightarrow DK^* \rightarrow 0$ decays with $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ and $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	90
100	First study of the CP-violating phase and decay-width difference in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	4.1	17
101	Measurements of long-range near-side angular correlations in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	4.1	19
102	Search for $B_c^+$ decays to the $p \bar{p} \pi^+$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	4.1	12
103	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	4.1	14
104	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	4.1	20
105	Model-independent evidence for $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	7.8	22
106	Contributions to $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	7.8	102
107	Studies of the resonance structure in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 93, .	7.8	110
108	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ lifetime. Physical Review D, 2016, 93, .	4.7	20

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109	Measurement of the mass and lifetime of the $\Lambda_c^+$ baryon. Physical Review D, 2016, 93, .	4.7	13
110	Oscillations in $D^0 \rightarrow D^+ K^-$ decays. Physical Review D, 2016, 93, .	7.8	27
111	First observation of the rare $B^0 \rightarrow D^+ K^-$ decay. Physical Review D, 2016, 93, .	4.7	5
112	Measurement of the $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ branching fractions. Physical Review D, 2016, 93, .	4.7	5
113	Constraints on the unitarity triangle angle $\beta_1$ from Dalitz plot analysis of $B^0 \rightarrow D^+ K^-$ decays. Physical Review D, 2016, 93, .	4.7	13
114	Observation of $B_s^0 \rightarrow D^+ K^-$ and Evidence for $B_s^0 \rightarrow D^+ K^-$ Decays. Physical Review Letters, 2016, 116, 161802.8	7.8	6
115	Measurement of the Difference of Time-Integrated Asymmetries in $B^0 \rightarrow D^+ K^-$ decays. Search for Violations of Lorentz Invariance and Symmetry. Physical Review D, 2016, 93, .	7.8	42
116	Symmetry in $B^0 \rightarrow D^+ K^-$ decays. Search for Structure in the $B^0 \rightarrow D^+ K^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	7.8	31
117	Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	7.8	31
118	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^0$ in the $K^0, 2^0$ region. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
119	Study of $D^0 \rightarrow K^+ K^- \pi^0$ mesons decaying to $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow K^+ K^- \pi^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
120	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
121	Study of $\tilde{\chi}^0(2S)$ 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
122	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^- \pi^0$ decays. Journal of High Energy Physics, 2016, 2016, .	4.7	13
123	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
124	First observation of the decay $B^0 \rightarrow D^+ K^- \pi^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1. 5	4.7	5
125	Observation of the $B^0 \rightarrow D^+ K^- \pi^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
126	First observation of the decay $D^0 \rightarrow K^+ K^- \pi^0$ in the $\mu\mu$ region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	4.1	13



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127	Angular analysis of the $B^0 \rightarrow K^* K^* \pi^+ \pi^-$ decay using 3 fb <sup>-1</sup> of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	304
128	Central exclusive meson production at LHCb. , 2016, , .		0
129	Study of CP violation in $B^0 \rightarrow D^+ D^-(h=K, \pi)$ with the modes $D^+ \rightarrow K^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^+$ . Physical Review D, 2015, 91, .	4.7	14
130	Study of $B^0 \rightarrow D^+ D^-(h=K, \pi)$ with the modes $D^+ \rightarrow K^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^+$ . Physical Review D, 2015, 92, .	4.7	6
131	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	7.8	22
132	Evidence for the Strangeness-Changing Weak Decay $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Physical Review D, 2015, 92, .	7.8	25
133	First Observation and Amplitude Analysis of the $B^0 \rightarrow D^+ D^-(h=K, \pi)$ Decay. Physical Review D, 2015, 92, .	4.7	50
134	Measurement of the branching fraction $B(B^0 \rightarrow D^+ D^-(h=K, \pi))$ . Physical Review D, 2015, 92, .	4.7	69
135	Amplitude analysis of $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Physical Review D, 2015, 92, .	4.7	30
136	Dalitz plot analysis of $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Physical Review D, 2015, 92, .	4.7	80
137	Study of $B^0 \rightarrow W^+ W^-$ boson production in association with beauty and charm. Physical Review D, 2015, 92, .	4.7	22
138	Measurement of the branching fraction ratio $B(B^0 \rightarrow D^+ D^-(h=K, \pi)) / B(B^0 \rightarrow D^+ D^-(h=K, \pi))$ . Physical Review D, 2015, 92, .	4.7	14
139	Search for the rare decays $B^0 \rightarrow J/\psi \pi^+ \pi^-$ and $B_s^0 \rightarrow J/\psi \pi^+ \pi^-$ . Physical Review D, 2015, 92, .	4.7	8
140	Model-independent confirmation of the $B^0 \rightarrow D^+ D^-(h=K, \pi)$ decay. Physical Review D, 2015, 92, .	4.7	15
141	Measurement of $B^0 \rightarrow C^+ C^-(h=K, \pi)$ violation in $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Physical Review Letters, 2015, 115, 031601.	7.8	30
142	Observation of the $B_s^0 \rightarrow \bar{D}^+ D^-(h=K, \pi)$ Decay. Physical Review Letters, 2015, 115, 051801.	7.8	9
143	Consistent with Pentaquark States in $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Resonances Measurement of the Ratio of Branching Fractions $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Physical Review D, 2015, 92, .	7.8	816
144	Measurement of the Ratio of Branching Fractions $B^0 \rightarrow D^+ D^-(h=K, \pi)$ . Physical Review D, 2015, 92, .		



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163	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
164	Observation of the decay $B \rightarrow K^*(2S) K \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	4.1	13
165	Angular analysis and differential branching fraction of the decay $B \rightarrow K^* \pi^0 \pi^+$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	191
166	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
167	Angular analysis of the $B \rightarrow K^* e^+ e^-$ decay in the low- $q^2$ region. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
168	Determination of the branching fractions of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
169	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
170	Observation of the $B \rightarrow K^* \pi^0$ decay from an amplitude analysis of $B \rightarrow K^* (\pi^+ \pi^-)$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	4.1	14
171	Observation of the $B \rightarrow K^* \pi^0$ decay from an amplitude analysis of $B \rightarrow K^* (\pi^+ \pi^-)$ decays using the $B \rightarrow K^* \pi^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	4.1	14
172	Observation of Two New Resonances. Physical Review Letters, 2015, 114, 062004.	7.8	47
173	Observation of Two New Resonances. Physical Review Letters, 2015, 114, 062004.	4.1	31
174	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	16.7	105
175	Determination of $\hat{\Gamma}_3$ and charmless two-body decays of beauty mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 1-11.	4.1	13
176	Study of the rare $B \rightarrow K^* \pi^0 \pi^+$ and $B \rightarrow K^* \pi^0 \pi^0$ decays into the $\pi^+ \pi^- \pi^0$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-55.	4.1	17
177	Precision Measurement of $B \rightarrow K^* \pi^0$ Asymmetry in $B \rightarrow K^* \pi^0$ Decays. Physical Review Letters, 2015, 114, 041801.	7.8	32
178	Violation in $B \rightarrow K^* \pi^0$ Precision Measurement of $B \rightarrow K^* \pi^0$ Asymmetry in $B \rightarrow K^* \pi^0$ Decays. Physical Review Letters, 2015, 114, 041801.	7.8	65
179	Measurement of $B \rightarrow K^* \pi^0$ Asymmetry in $B \rightarrow K^* \pi^0$ Decays. Physical Review Letters, 2015, 114, 132001.	7.8	61
180	LHCb detector performance. International Journal of Modern Physics A, 2015, 30, 1530022.	1.5	604

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181	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	3.9	44
182	Search for CP violation in $D^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	4.7	13
183	Study of $B \rightarrow \pi^+ \pi^-$ mixing from measurement of $B \rightarrow \pi^+ \pi^-$ ( $\Delta C=2$ ) decay rates. Journal of High Energy Physics, 2015, 2015, .	4.7	13
184	Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
185	Search for the lepton flavour violating decay $\tilde{l}_i \rightarrow \tilde{l}_j + \gamma$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	32
186	Precise measurements of the properties of the $B(5721)^0$ and $B(5747)^0$ states and observation of $B \rightarrow \pi^+ \pi^-$ mass structures. Journal of High Energy Physics, 2015, 2015, 1.	4.7	21
187	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, .	4.7	17
188	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	27.8	390
189	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	1.2	42
190	Measurement of the $\sigma_c$ production cross-section in proton-proton collisions via		

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199	Measurement of the $B^0 \rightarrow B^0$ and $B^0 \rightarrow B^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 218-228.	4.1	23
200	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	7.8	15
201	Violation in $C \rightarrow P$ components in $B \rightarrow K$ decays.	7.8	27
202	First Observation of a Baryonic $B_c^+$ Decay. Physical Review Letters, 2014, 113, 152003.	7.8	28
203	Measurement of resonant and non-resonant components in $B \rightarrow K$ decays.	4.7	73
204	Search for Majorana Neutrinos in $B^0 \rightarrow \ell^+ \ell^- \bar{\nu} \nu$ Decays. Physical Review Letters, 2014, 112, 131802.	7.8	106
205	Measurement of the $B^0$ Meson Lifetime in $D_s \rightarrow B^0$ Decays. Physical Review Letters, 2014, 113, 172001.	7.8	14
206	Measurement of $C \rightarrow P$ violation in the Phase Space of $B \rightarrow K$ decays.	7.8	78
207	Observation of Overlapping Spin-1 and Spin-3 $B \rightarrow K$ decays.	4.7	67
208	Precision Measurement of the Mass and Lifetime of the $B_c^0$ Baryon.	7.8	80
209	Dalitz plot analysis of $B \rightarrow D$ decays.	7.8	17
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213	LHCb Collaboration. Nuclear Physics A, 2014, 932, 621-626.	1.5	1
214	Test of Lepton Universality Using $B \rightarrow K$ decays.	7.8	845
215	Precision Measurement of the Mass and Lifetime of the $B_c^0$ Baryon.	7.8	39
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221	Observation of charmonium pairs produced exclusively in $pp$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	3.6	14
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223	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
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225	First observations of the rare decays $B \rightarrow K^+ K^- \pi^+ \pi^-$ and $B \rightarrow K^+ K^- \pi^0 \pi^0$ . Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
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233	Study of $J/\psi$ 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
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236	Measurement of the CP-violating phase $B \rightarrow K^* \pi^0$ . Journal of High Energy Physics, 2014, 2014, 1.	4.1	40
237	Measurement of the CP-violating phase $B \rightarrow K^* \pi^0$ . Journal of High Energy Physics, 2014, 2014, 1.	2.5	114
238	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	34
239	Searches for $\Lambda_b^0$ and $\Xi_b^0$ decays to $K_{\text{S}}^* \pi^0$ and $K_{\text{S}}^* \pi^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{S}}^* \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
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241	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	4.7	26
242	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* \bar{K}^*(892)^0$ . Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
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244	Evidence for the decay $B_c^+ \rightarrow \pi^+ \rho^0$ . Journal of High Energy Physics, 2014, 2014, 1.	4.7	16
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246	Measurement of CP asymmetry in $D^0 \rightarrow K^* K^+ + \text{c.c.}$ and $D^0 \rightarrow \bar{K}^* \bar{K}^0 + \text{c.c.}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
247	Study of $\Upsilon$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{\text{NN}}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	33
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254	Measurement of $\psi(2S)$ polarisation in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	3.9	53
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258	Measurement of the charge asymmetry in $D \rightarrow \mu^+ \nu_\mu \mu^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	4.1	12
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263	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \mu^+ \mu^- \gamma$ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	103
264	Search for CP violation in $D \rightarrow \mu^+ \mu^- \mu^+$ and $D_s^+ \rightarrow K_S^0 \mu^+ \mu^+$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
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305	Measurements of the form factors $F_1$ and $F_2$ for $B^0 \rightarrow \pi^+ \pi^-$ . Journal of High Energy Physics, 2013, 2013, 1.	4.1	15
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308	Measurements of the $B \rightarrow \pi^0 \pi^0$ decay amplitudes and phases. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	4.1	54
309	Search for the rare decay $B \rightarrow \pi^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	4.1	15
310	Measurement of the differential branching fraction of the decay $B \rightarrow \pi^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	4.1	33
311	Evidence for the decay $B \rightarrow \pi^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 2535.	4.1	35
312	Observation of $B \rightarrow \pi^0 \pi^0$ and measurement of the relative branching fractions of $B \rightarrow \pi^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	2.5	35
313	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
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316	Measurement of the $B \rightarrow \pi^0 \pi^0$ 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
317	Precision measurement of the $B \rightarrow \pi^0 \pi^0$ oscillation frequency with the decay $B \rightarrow \pi^0 \pi^0$ . New Journal of Physics, 2013, 15, 053021.	4.1	33
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320	Precision Measurement of the $B \rightarrow \pi^0 \pi^0$ Lifetime. Physical Review Letters, 2013, 111, 102003.	4.7	74
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323	Parameters and Search for $B \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 2013, 111, 102003.	4.7	74
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326	Measurement of the branching fractions of the decays $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ and $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	7.8	13
327	Measurement of the branching fractions of the decays $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ and $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	7.8	19
328	Determination of the branching fractions of the decays $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ and $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	7.8	13
329	Measurement of the branching fractions of the decays $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ and $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	4.7	19
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332	Search for the decay $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	4.7	7
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335	Measurement of the branching fractions of the decays $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ and $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	4.7	32
336	Measurement of Form-Factor-Independent Observables in the Decay $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	7.8	159
337	Amplitude analysis and branching fraction measurement of the decay $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	4.7	55
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339	Measurement of the branching fractions of the decays $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ and $B \rightarrow D^* \bar{D}^0 K^+ \bar{K}^0$ . Physical Review Letters, 2013, 110, 091801.	7.8	22
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344	<p>Measurement of the Branching Fraction and Search for Rare Decays <math>B_c \rightarrow \tau \nu_\tau</math>. Physical Review D, 2015, 91, 072004.</p>	4.7	20
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346	<p>Search for Rare Decays <math>B_c \rightarrow \tau \nu_\tau</math>. Physical Review D, 2015, 91, 072004.</p>	7.8	21
347	<p>First Observation of the Decay <math>B_c \rightarrow \tau \nu_\tau</math>. Physical Review Letters, 2012, 108, 251802.</p>	7.8	62
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349	<p>Measurement of the Lifetime in the Decay <math>B_c \rightarrow \tau \nu_\tau</math>. Physical Review Letters, 2012, 108, 181806.</p>		

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362	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2012, 108, 111602 (2012). Physical Review Letters, 2012, 108, .	7.8	6
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364	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	1.2	41
365	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	22
366	Measurements of the branching fractions of the decays $B^0 \rightarrow D^+ \pi^-$ and $B^0 \rightarrow D^0 \pi^+$ . Journal of High Energy Physics, 2012, 2012, .	4.7	19
367	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	103
368	Measurement of the isospin asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2012, 2012, 165	4.7	19
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375	First Evidence of Direct $C \rightarrow D^+ K^0$ and $C \rightarrow D^0 K^+$ decays. Physical Review Letters, 2012, 108, 111602.	7.8	49
376	Measurement of the ratio of branching fractions $\frac{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^-)}{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^-)}$ . Physical Review Letters, 2012, 108, 111602.	7.8	181

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380	Measurement of the $\alpha$ $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$	4.1	34
381	Measurement of the CP-violating phase $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$	4.1	14
382	Measurement of the CP-violating phase $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$	4.1	33
383	Measurement of the CP-violating phase $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$		



#	ARTICLE	IF	CITATIONS
397	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	27
398	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	47
399	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	47
400	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	3.9	30
401	Observation of X(3872) production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	153
402	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	3.9	58
403	Measurement of $\bar{D}^0$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025.	3.9	106
404	Search for $C \rightarrow P$ violation in $D \rightarrow \ell \bar{\nu}_\ell$ decays. European Physical Journal C, 2012, 72, 2025.	4.7	20
405	First observation of the decay $B \rightarrow D^* \ell \bar{\nu}_\ell$ . European Physical Journal C, 2012, 72, 2025.	4.1	20
406	Measurement of $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	4.1	15
407	Measurement of $B \rightarrow D^* \ell \bar{\nu}_\ell$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	238
408	Measurement of $V_0$ production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	18
409	First observation of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. European Physical Journal C, 2011, 71, 1.	4.1	29
410	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	4.1	60
411	Measurements of the branching fractions for $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. European Physical Journal C, 2011, 71, 1.	4.1	60
412	Determination of $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	4.7	25
413	Prompt $B \rightarrow D^* \ell \bar{\nu}_\ell$ production in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV. European Physical Journal C, 2011, 71, 1.	7.8	28
414	Prompt $B \rightarrow D^* \ell \bar{\nu}_\ell$ production in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV. European Physical Journal C, 2011, 71, 1.	4.1	26



