

CÃ©dric Potterat

List of Publications by Year in descending order

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Version: 2024-02-01

280
papers

17,262
citations

16451

64
h-index

18647

119
g-index

280
all docs

280
docs citations

280
times ranked

8272
citing authors

#	ARTICLE	IF	CITATIONS
1	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08005-S08005.	1.2	969
2	Test of Lepton Universality Using $B \rightarrow K^* \mu^+ \mu^-$ Decays Physical Review Letters, 2014, 113, 151601. http://www.w3.org/1998/Math/MathML	7.8	845
3	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow p \bar{p}$ Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(J/\psi \rightarrow p \bar{p})}{\mathcal{B}(J/\psi \rightarrow e^+ e^-)}$ <i>Physical Review Letters</i> , 2014, 113, 151601. http://www.w3.org/1998/Math/MathML	7.8	816
4	Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(B \rightarrow K^* \mu^+ \mu^-)}{\mathcal{B}(B \rightarrow K^* e^+ e^-)}$ <i>Physical Review Letters</i> , 2014, 113, 151601. http://www.w3.org/1998/Math/MathML		

#	ARTICLE	IF	CITATIONS
19	Search for Hidden-Sector Bosons in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2015, 115, 161802.	7.8	138
20	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	3.9	137
21	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	1.2	127
22	Observation of χ_{c0} production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 52-59.	4.1	123
23	Measurement of J/ψ polarization in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2631.	3.9	117
24	Measurement of b hadron production fractions in 7 TeV collisions. Physical Review D, 2012, 85, 032005.	4.7	116
25	Evidence for the decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2012, 85, 032005.	4.1	115
26	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	2.5	114
27	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	4.7	111
28	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	3.6	111
29	Measurement of the $C \rightarrow P$ -Violating Phase in the Decay $B \rightarrow K^* \ell^+ \ell^-$ in the $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 221601.	1.2	110
30	Measurement of χ_{c0} production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2025.	7.8	108
31	Search for Majorana Neutrinos in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 112, 131802.	3.9	106
32	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2013, 110, 221601.	7.8	105
33	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	16.7	105
34	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	3.6	104
35	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

#	ARTICLE	IF	CITATIONS
37	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	103
38	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2013, 111, 101801.	7.8	101
39	Observation of Excited D Baryons. Physical Review Letters, 2012, 109, 172003.	4.7	99
40	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.	7.8	98
41	Measurement of $\bar{\chi}(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2100.	4.7	89
42	Study of D J meson decays to $D^+ \bar{\ell} \ell^+$, $D^0 \ell^+ \ell^-$ and $D^+ \bar{\ell} \ell^+$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	3.9	83
43	Measurement of the $\bar{\chi}(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2100.	4.7	82
44	Differential branching fraction and angular analysis of $B \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	7.8	82
45	Observation of Overlapping Spin-1 and Spin-3 Dalitz plot analysis of $B \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ decays. Physical Review Letters, 2014, 113, 162001.	4.7	80
46	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	4.7	80
47	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	7.8	78
48	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	4.7	78
49	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	7.8	75
50	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	4.7	74
51	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	4.7	74
52	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.	4.7	73
53	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.		
54	Measurement of $C \times P$ violation in the Phase Space of $B \rightarrow \bar{A} \ell^+ \ell^-$. Physical Review Letters, 2012, 109, 232001.		

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55	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		
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73	Analysis of the resonant components in $B \rightarrow \bar{D}^* s$ decays. Physical Review D, 2013, 87, .	4.1	60
74	Precision measurement of the $B \rightarrow D^* s$ oscillation frequency with the decay $B \rightarrow D^* s$. New Journal of Physics, 2013, 15, 053021.	2.9	59
75	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	4.1	58
76	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	3.9	58
77	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	4.7	56
78	Observation of a Resonance in $B \rightarrow \bar{D}^* s$ decays. Physical Review D, 2013, 87, .	4.7	55
79	Observation of $B \rightarrow \bar{D}^* s$ decays. Physical Review D, 2013, 87, .	4.1	54
80	Measurement of the cross-section for $Z \rightarrow e^+ e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
81	Measurement of the $\psi(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2872.	3.9	53
82	Measurement of CP asymmetry in $D \rightarrow K^+ K^-$ and $D \rightarrow \bar{K}^0 K^+$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
83	Measurement of the exclusive Υ production cross-section in pp collisions at $\sqrt{s}=7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
84	First Observation of the Decay $B \rightarrow \bar{D}^* s$. Physical Review Letters, 2013, 110, 151803.	7.8	50
85	Differential Branching Fraction and Angular Analysis of the Decay $B \rightarrow \bar{D}^* s$. Physical Review Letters, 2012, 108, 181806.	7.8	50
86	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
87	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
88	Precision measurement of the ratio of the $B \rightarrow \bar{D}^* s$ decays. Physical Review Letters, 2013, 110, 151803.	7.8	50
89	Measurement of the ratio of the $B \rightarrow \bar{D}^* s$ decays. Physical Review Letters, 2013, 110, 151803.	7.8	50

#	ARTICLE	IF	CITATIONS
109	Precision Measurement of the Mass and Lifetime of the Λ_c^+ Baryon. Physical Review Letters, 2014, 113, 032002.	7.8	39
110	Study of the kinematic dependences of Λ_c^+ production in pp collisions and a measurement of the Λ_c^+ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
111	Measurement of the Λ_c^+ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	4.1	38
112	Measurement of the Λ_c^+ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	4.1	38
113	First observation of the decay $\Lambda_c^+ \rightarrow \Lambda^0 p$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
114	Measurement of the relative rate of prompt Λ_c^+ , Λ_c^0 and Λ_c^- production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	36
115	Precision Measurement of the Mass and Lifetime of the Λ_c^+ Baryon. Physical Review Letters, 2014, 113, 032001.	7.8	36
116	Precision Measurement of the Λ_c^+ Baryon. Physical Review Letters, 2014, 113, 032001.	7.8	36
117	Measurement of the CKM angle β from a combination of Λ_c^+ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	4.1	35
118	Measurement of the differential branching fraction of the decay $\Lambda_c^+ \rightarrow \Lambda^0 p$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	4.1	35
119	Precision Measurement of the Λ_c^+ Baryon Lifetime. Physical Review Letters, 2013, 111, 102003.	2.5	35
120	Precision Measurement of the Λ_c^+ Baryon Lifetime. Physical Review Letters, 2013, 111, 102003.	2.5	35
121	Observation of the $\Lambda_c^+ \rightarrow \Lambda^0 p$ decay. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
122	Measurement of the Λ_c^+ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	4.1	34
123	Measurement of the flavour-specific CP-violating asymmetry A_{CP}^{FB} in $\Lambda_c^+ \rightarrow \Lambda^0 p$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	4.1	34
124	Measurement of the flavour-specific CP-violating asymmetry A_{CP}^{FB} in $\Lambda_c^+ \rightarrow \Lambda^0 p$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	4.1	34
125	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
126	Measurement of the CP-violating phase β from a combination of Λ_c^+ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	4.1	33

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127	Search for direct CP violation in $D \rightarrow \pi^0 \pi^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 33-43.	4.1	33
128	Search for the rare decay $D \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	4.1	33
129	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
130	Study of $\bar{p} p \rightarrow \bar{p} p$ 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	33
131	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
132	Search for the rare decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	4.1	32
133	Search for the Lepton-Flavor-Violating Decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2013, 111, 141801.	4.7	32
134	Observation of the decay $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2013, 87, .	4.7	32
135	Measurement of the ratio of $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2013, 87, .	4.7	32
136	Search for the lepton flavour violating decay $\bar{B} \rightarrow \pi^0 \pi^0$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	32
137	Measurement of the ratio of $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2014, 89, .	4.7	31
138	Studies of beauty baryon decays to $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2014, 89, .	4.7	31
139	Search for the lepton flavour violating decay $\bar{B} \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	4.1	31
140	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
141	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
142	Measurement of charged particle multiplicities and densities in $\sqrt{s} = 7$ TeV pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	3.9	30
143	Amplitude analysis of $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2014, 89, .	4.7	30
144	Measurement of $B \rightarrow \pi^0 \pi^0$. Physical Review Letters, 2015, 115, 031601.	7.8	30

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145	Angular analysis of the $B_0 \rightarrow K^* K^0 e^+ e^-$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1. First observation of $B \rightarrow K^* K^0 e^+ e^-$	4.7	30
146	Measurement of the lifetime of the B_c meson. Journal of High Energy Physics, 2012, 2012, 1. Measurement of the lifetime of the B_c meson. Journal of High Energy Physics, 2012, 2012, 1.	4.1	29
147	Study of D_s decays to $D^* K^0$ and $D^0 K^+$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	4.7	29
148	Measurement of relative branching fractions of B decays to $\bar{c}c$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118. Measurement of the relative branching fractions of B decays to $\bar{c}c$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	3.9	29
149	Measurement of the lifetime of the B_c meson. Journal of High Energy Physics, 2012, 2012, 1. Measurement of the lifetime of the B_c meson. Journal of High Energy Physics, 2012, 2012, 1.	7.8	29
150	Using the $B \rightarrow K^* K^0 e^+ e^-$ decay to measure the B_c meson lifetime. Journal of High Energy Physics, 2012, 2012, 1. Using the $B \rightarrow K^* K^0 e^+ e^-$ decay to measure the B_c meson lifetime. Journal of High Energy Physics, 2012, 2012, 1.	7.8	29
151	Collisions and Measurement of the B_c meson lifetime. Journal of High Energy Physics, 2012, 2012, 1. Collisions and Measurement of the B_c meson lifetime. Journal of High Energy Physics, 2012, 2012, 1.	7.8	28
152	Measurement of the $B_0 \rightarrow K^* K^0 e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
153	First measurement of time-dependent CP violation in $B_s \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	28
154	First Observation of a Baryonic B_c Decay. Physical Review Letters, 2014, 113, 152003. Observation of a baryonic B_c decay. Physical Review Letters, 2014, 113, 152003.	7.8	28
155	First observation of the decay $B_c \rightarrow K^* K^0 e^+ e^-$ for B_c meson. Journal of High Energy Physics, 2012, 2012, 1. First observation of the decay $B_c \rightarrow K^* K^0 e^+ e^-$ for B_c meson. Journal of High Energy Physics, 2012, 2012, 1.	7.8	27
156	Measurement of CP violation and constraints on the CKM angle β in $B \rightarrow K^* K^0 e^+ e^-$ decays. Nuclear Physics B, 2014, 888, 169-193. Measurement of CP violation and constraints on the CKM angle β in $B \rightarrow K^* K^0 e^+ e^-$ decays. Nuclear Physics B, 2014, 888, 169-193.	4.1	27
157	Evidence for B_c production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, . Evidence for B_c production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	2.5	27
158	Violation in $B \rightarrow K^* K^0 e^+ e^-$ decays. Journal of High Energy Physics, 2012, 2012, 1. Violation in $B \rightarrow K^* K^0 e^+ e^-$ decays. Journal of High Energy Physics, 2012, 2012, 1.	7.8	27
159	Measurement of B_c production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, . Measurement of B_c production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	3.9	27
160	Prompt B_c production in pp collisions at $\sqrt{s} = 0.9$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 72, 1. Prompt B_c production in pp collisions at $\sqrt{s} = 0.9$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 72, 1.	4.1	26
161	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2012, 72, 1. Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	26
162	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26

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163	Measurement of CP asymmetries in the decays $B^0 \rightarrow K^* K^0$ and $B^+ \rightarrow K^* K^+$. Journal of High Energy Physics, 2014, 2014, .	4.7	26
164	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	7.8	26
165	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
166	Angular analysis of charged and neutral $B \rightarrow K^* K$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
167	Measurements of the branching fractions for $B \rightarrow K^* K$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
168	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2421.	3.9	25
169	Observation of the decay $B_c^+ \rightarrow K^+ K^0$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	25
170	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
171	Searches for Λ_b^0 and Ξ_b^0 decays to $K_S^0 \pi^0$ and $K_S^0 \pi^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_S^0 \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
172	Measurements of the branching fractions of $B^+ \rightarrow p \bar{K}^0$ decays. European Physical Journal C, 2013, 73, 2462.	3.9	24
173	Observations of $B^+ \rightarrow p \bar{K}^0$ decays. European Physical Journal C, 2013, 73, 2462.	2.5	24
174	Observation of $B^+ \rightarrow p \bar{K}^0$ decays and measurement of the θ_{13} mixing angle. Physical Review Letters, 2014, 112, 091802.	7.8	24
175	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
176	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
177	Measurement of the $B^0 \rightarrow K^* K^0$ 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
178	Measurement of the B^{\pm} production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	22
179	A model-independent Dalitz plot analysis of $B^0 \rightarrow K^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 43-55.	4.1	22
180	First observations of $B^0 \rightarrow D^+ D^-$, $D_s^+ D_s^-$ and $D^0 D^0$ decays. Physical Review D, 2013, 87, .	4.7	22

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181	Measurement of the $C P$ violation in $B \rightarrow K^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2013, 110, 031801.	7.8	22
182	Measurement of the CKM angle β_3 using $B \rightarrow K^* \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	22
183	First Observation of Top Quark Production in the Forward Region. <i>Physical Review Letters</i> , 2015, 115, 112001.	7.8	22
184	Study of W boson production in association with beauty and charm. <i>Physical Review D</i> , 2015, 92, .	4.7	22
185	Observation of $B_s^0 \rightarrow K^* K^0$ Final States. <i>Physical Review Letters</i> , 2012, 108, 151801.	7.8	21
186	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	7.8	21
187	Precise measurements of the properties of the $B(5721)^0$ and $B(5747)^0$ states and observation of B_c^+ mass structures. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	21
189	Search for $C P$ violation in $B \rightarrow K^* \pi^0$ decays. <i>Physical Review Letters</i> , 2015, 110, 031801.	4.7	20
190	Measurement of the inclusive π^0 cross-section in $p p$ collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 022001.	4.1	20
191	Measurements of the branching fractions and $C P$ asymmetries of $B \rightarrow K^* \pi^0$ and $B \rightarrow K^* \pi^+$ decays. <i>Physical Review D</i> , 2012, 85, .	4.7	20
192	First observation of $C P$ violation in $B \rightarrow K^* \pi^0$ decays. <i>Physical Review Letters</i> , 2015, 110, 031801.	4.7	20
193	Measurements of the branching fractions of the decays $B \rightarrow D_s^* \pi^0$ and $B \rightarrow D_s^* \pi^+$. <i>Physical Review Letters</i> , 2014, 112, 041801.	7.8	20
194	Measurement of the $b(3P)$ mass and of the relative rate of $b(1P)$ and $b(2P)$ production. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	20
195	Search for CP violation in $B \rightarrow K^* \pi^0$ decays. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High Energy Physics, 2015, 740, 150-167.	4.7	19
196	Measurements of the branching fractions of the decays $B \rightarrow D_s^* \pi^0$ and $B \rightarrow D_s^* \pi^+$. <i>Journal of High Energy Physics</i> , 2012, 2012, .	4.7	19
197	First Measurement of the $C P$ -Violating Phase in $B \rightarrow K^* \pi^0$ Decays. <i>Physical Review Letters</i> , 2013, 110, 241802.	7.8	19
198	Measurement of the branching fractions of the decays $B \rightarrow K^* \pi^0$ and $B \rightarrow K^* \pi^+$. <i>Physical Review D</i> , 2013, 87, .	4.7	19

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199	Search for CP violation in the decay $B \rightarrow D^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	4.1	19
200	Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	18
201	Measurement of the $B_s \rightarrow \bar{D}^0 \pi^0$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, .	4.7	18
202	Measurement of the fraction of $\bar{D}^0(1S)$ originating from $\bar{D}^0(1P)$ decays in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
203	Measurement of the effective $B \rightarrow D^0 \pi^0$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 707, 349-356.	4.7	18
204	Measurement of the effective $B \rightarrow D^0 \pi^0$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	4.7	17
205	Observation of $B^0 \rightarrow D^0 \pi^0$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	3.9	17
206	Measurement of the polarization amplitudes in $B \rightarrow D^0 \pi^0$ decays. Nuclear Physics B, 2013, 873, 17-27.	2.5	17
207	Measurement of the polarization amplitudes in $B \rightarrow D^0 \pi^0$ decays. Nuclear Physics B, 2013, 873, 17-27.	2.5	17
208	Measurement of the polarization amplitudes in $B \rightarrow D^0 \pi^0$ decays. Nuclear Physics B, 2013, 873, 17-27.	2.5	17
209	Search for the decay $B \rightarrow D^0 \pi^0$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
210	Search for the decay $B \rightarrow D^0 \pi^0$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
211	Study of the rare $B \rightarrow D^0 \pi^0$ and B_0 decays into the $\bar{D}^0 \pi^0$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-55.	4.1	17
212	Measurement of indirect CP asymmetries in $D^0 \rightarrow \bar{K}^0 K^+$ and $D^0 \rightarrow \bar{K}^0 \pi^+$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, .	4.7	17
213	Lifetime in the $B \rightarrow D^0 \pi^0$ decay. Physical Review D, 2014, 90, .	4.7	17

#	ARTICLE	IF	CITATIONS
217	Observation of the suppressed ADS modes $B \rightarrow \pi^0 \pi^0 \pi^0$. Physical Review Letters, 2014, 113, 082003.	4.1	15
218	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \pi^0 \pi^0 \pi^0$ decays. Physical Review Letters, 2014, 113, 082003.	4.1	15
219	Measurement of the polarization amplitudes and triple product asymmetries in the $B \rightarrow \pi^0 \pi^0 \pi^0$ decays. Physical Review Letters, 2014, 113, 082003.	7.8	15
220	Search for CP violation in $D \rightarrow \pi^+ \pi^- K^0$ and $D \rightarrow \pi^+ \pi^- K^0_S$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.1	14
221	Search for CP violation in $D \rightarrow \pi^+ \pi^- K^0$ and $D \rightarrow \pi^+ \pi^- K^0_S$ decays. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
222	Study of $B \rightarrow \pi^0 K^0 K^0$ decays with first observation of $B \rightarrow \pi^0 K^0 K^0$ and $B \rightarrow \pi^0 K^0 K^0_S$. Journal of High Energy Physics, 2013, 2013, .	4.7	14
223	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
224	Measurement of $C \rightarrow P$ violation parameters in $B \rightarrow D^* K$ decays. Physical Review D, 2014, 90, .	4.7	14
225	Measurement of the $B \rightarrow D^* K$ Meson Lifetime in $D^* \rightarrow K^0$ Decays. Physical Review Letters, 2014, 113, 172001.	7.8	14
226	Observation of charmonium pairs produced exclusively in pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	3.6	14
227	Measurement of CP asymmetry in $B \rightarrow \pi^0 \pi^0 K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	14
228	Study of CP violation in $B \rightarrow D^* K^0$ ($h=K, \pi$) with the modes $D^* \rightarrow K^0$ and $D^* \rightarrow K^0_S$. Physical Review D, 2015, 91, .	4.7	14
229	Measurement of the branching fraction ratio $B(B_c \rightarrow \pi^+ \pi^-) / B(B_c \rightarrow \pi^+ \pi^-)$. Physical Review D, 2015, 92, .	4.7	14
230	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	14
231	Observation of the $B \rightarrow \pi^0 \pi^0$ decay from an amplitude analysis of $B \rightarrow \pi^0 \pi^0$ ($\pi^+ \pi^-$) ($\pi^+ \pi^-$) decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	4.1	14
232	Measurement of the ratio of branching fractions $B(B_c \rightarrow \pi^+ \pi^-) / B(B_c \rightarrow \pi^+ \pi^-)$. Physical Review D, 2015, 92, .	4.7	14

#	ARTICLE	IF	CITATIONS
235	Measurement of the time-dependent CP asymmetry in $B \rightarrow D^0 K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	4.1	13
236	Search for the rare decay $B \rightarrow D^0 K^0$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
237	Measurement of the CP asymmetry in $B \rightarrow D^0 K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	7.8	13
238	Observation of $B \rightarrow D^0 K^0$ and evidence for $B \rightarrow D^0 K^0$ decays. New Journal of Physics, 2014, 16, 123001.	2.9	13
239	Search for CP violation in $D \rightarrow K^0 K^0$ and $D \rightarrow K^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
240	A study of CP violation in $B \rightarrow D^0 K^0$ and $B \rightarrow D^0 \bar{K}^0$ decays with charmless two-body decays of beauty mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 36-45.	4.1	13
241	Measurement of the decay $B \rightarrow D^0 K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 154-162.	4.1	13
242	Measurement of polarization amplitudes and CP asymmetries in $B \rightarrow D^0 K^0$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
243	Observation of the decay $B \rightarrow D^0 K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	4.1	13
244	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
245	Study of $\hat{\Gamma}^2$ mixing from measurement of $B \rightarrow D^0 K^0$ decay rates. Journal of High Energy Physics, 2015, 2015, .	4.7	13
246	First Observation of the Decays $B \rightarrow D^0 K^0$ and $B \rightarrow D^0 \bar{K}^0$. Physical Review Letters, 2012, 108, 181801. 12		
247	Branching fraction and CP asymmetry of the decays $B \rightarrow D^0 K^0$ and $B \rightarrow D^0 \bar{K}^0$. Physical Review Letters, 2012, 108, 181801. 12	4.1	12
248	Studies of the decays $B \rightarrow D^0 K^0$ and observation of $B \rightarrow D^0 K^0$. Physical Review D, 2013, 88, .	4.7	12
249	Measurement of the charge asymmetry in $B \rightarrow D^0 K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 24-31.	4.1	12
250	Measurement of CP asymmetries and polarisation fractions in $B \rightarrow D^0 K^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
251	Measurement of the time-dependent CP asymmetries in $B \rightarrow D^0 K^0$. Journal of High Energy Physics, 2015, 2015, .	4.7	12
252	Study of $B \rightarrow D^0 K^0$ and $B \rightarrow D^0 \bar{K}^0$ decays. Physical Review D, 2013, 87, .	4.7	11

#	ARTICLE	IF	CITATIONS
253	Effective lifetime measurements in the $B \rightarrow D^* K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 736, 446-454.	4.7	11
254	Observation of associated production of a Z boson with a D meson in the forward region. <i>Journal of High Energy Physics</i> , 2014, 2014, .	4.7	11
255	Search for the decay $B \rightarrow D^* K$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 728, 234-243.	4.7	11
256	Measurement of the $B \rightarrow D^* K$ branching fraction and search for the decay $B \rightarrow D^* K$. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	11
257	First observation of the decays $B \rightarrow D^* K$ and $B \rightarrow D^* K$. <i>Physical Review D</i> , 2012, 86, 4.7	4.7	10
258	Measurement of the effective $B \rightarrow D^* K$ lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 716, 393-400.	4.7	10
259	First evidence for the two-body charmless baryonic decay $B \rightarrow D^* K$. <i>Journal of High Energy Physics</i> , 2013, 2013, .	4.7	10
260	First observation of the decay $B \rightarrow D^* K$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	9
261	First observations of the rare decays $B \rightarrow D^* K$ and $B \rightarrow D^* K$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	9
262	Observation of the $B \rightarrow D^* K$ decay. <i>Physical Review Letters</i> , 2015, 115, 051801.	7.8	9
263	Search for the $B \rightarrow D^* K$ and $B \rightarrow D^* K$ decays with the LHCb detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	9
264	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
265	Observation of the $B \rightarrow D^* K$ decay. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	8
266	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	7
267	Searches for $B \rightarrow D^* K$ and $B \rightarrow D^* K$ decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	7
268	Search for the decay $B \rightarrow D^* K$. <i>Physical Review D</i> , 2013, 87, .	4.7	7
269	First observation and measurement of the branching fraction for the decay $B \rightarrow D^* K$. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	7
270	Publisher's Note: Evidence for CP violation in Time-Integrated $B \rightarrow D^* K$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012, 108, .	7.8	6

#	ARTICLE	IF	CITATIONS
271	Measurement of CP observables in $B^0 \rightarrow DK^* \rightarrow 0$ with $D \rightarrow K^* K^0$. Journal of High Energy Physics, 2013, 2013, 4.7	4.7	6
272	Determination of the branching fractions of $B^0 \rightarrow D^* K^0$ and $B^0 \rightarrow D^* K^+$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
273	The LHCb computing data challenge DC06. Journal of Physics: Conference Series, 2008, 119, 072023.	0.4	3
274	LHCb Silicon Tracker DAQ and ECS Online Systems. IEEE Transactions on Nuclear Science, 2010, 57, 569-576.	2.0	3
275	Generic and Layered Framework Components for the Control of a Large Scale Data Acquisition System. IEEE Transactions on Nuclear Science, 2008, 55, 362-369.	2.0	1
276	LHCb Silicon Tracker DAQ and DCS online systems. , 2009, , .		0
277	Production, commissioning and first data of the LHCb Silicon Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 612, 460-463.	1.6	0
278	Installation and operation of the LHCb Silicon Tracker detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 210-212.	1.6	0
279	First experience and results with the LHCb Silicon Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 538-540.	1.6	0
280	First operational experience from the LHCb Silicon Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 636, S182-S184.	1.6	0