

Lucio Anderlini

List of Publications by Year in descending order

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Version: 2024-02-01

256
papers

14,425
citations

22132

59
h-index

24961

109
g-index

257
all docs

257
docs citations

257
times ranked

7902
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Characterisation of 3D Diamond Pixel Detectors With Timing Capabilities. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	10
2	Selection and processing of calibration samples to measure the particle identification performance of the LHCb experiment in Run 2. <i>EPJ Techniques and Instrumentation</i> , 2019, 6, .	0.5	73
3	Density Estimation Trees as fast non-parametric modelling tools. <i>Journal of Physics: Conference Series</i> , 2016, 762, 012042.	0.3	3
4	A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. <i>European Physical Journal C</i> , 2016, 76, 412.	1.4	21
5	Observations of $\bar{b} \rightarrow b$ and $\bar{b} \rightarrow b + K^0$ decays and searches for other $\bar{b} \rightarrow b$ and $\bar{b} \rightarrow b$ decays to final states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	24
6	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	16
7	Observation of $\bar{b} \rightarrow b$ and $\bar{b} \rightarrow b + K^0$ decays and a measurement of the $\bar{b} \rightarrow b$ baryon mixing. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	17
8	Measurement of the properties of the $\bar{\Lambda}^0$ baryon. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	21
9	Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	37
10	Measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow DK^0$ with $D \rightarrow K^0 \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, .	1.6	8
11	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016, 40, 011001.	1.5	77
12	Search for the lepton-flavour violating decay $D^0 \rightarrow \tau^+ \tau^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 167-175.	1.5	20
13	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K^0 \bar{K}^0$ and $K^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	9
14	Search for B_c^+ decays to the $pp\pi^0$ final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 313-321.	1.5	12
15	Observation of the $\bar{b} \rightarrow b$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 282-292.	1.5	14
16	Measurement of CP observables in $B^0 \rightarrow DK^0$ and $B^0 \rightarrow D^0 K^0$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 117-131.	1.5	20
17	Measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K^0 \bar{K}^0$ and $K^0 \rightarrow K^+ K^-$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	2.9	22
18	Contributions to $B^0 \rightarrow D^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	2.9	102

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19	<p>Search for Exotic Hadron Contributions to $\Lambda_c^+ \rightarrow p \pi^0$ Decays. Physical Review D, 2016, 93, .</p> <p>$\langle \mathcal{M}(\Lambda_c^+ \rightarrow p \pi^0) \rangle = \langle \mathcal{M}(\Lambda_c^+ \rightarrow p \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(\Lambda_c^+ \rightarrow p \pi^0) \rangle_{\text{exotic}}$</p>	2.9	110
20	<p>Studies of the resonance structure in $B \rightarrow K^* \pi^0$ decays. Physical Review D, 2016, 93, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{resonance}}$</p>	1.6	20
21	<p>Measurement of the mass and lifetime of the Λ_b^0 baryon. Physical Review D, 2016, 93, .</p> <p>$m_{\Lambda_b^0} = 5.619 \pm 0.004 \text{ GeV}, \quad \tau_{\Lambda_b^0} = 1.47 \pm 0.04 \text{ ps}$</p>	1.6	13
22	<p>First Observation of $B \rightarrow K^* \pi^0$ Decays. Physical Review D, 2016, 93, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{new}}$</p>	2.9	27
23	<p>First observation of the rare $B \rightarrow K^* \pi^0$ decay. Physical Review D, 2016, 93, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{rare}}$</p>	1.6	5
24	<p>Measurement of the $B \rightarrow D_s^* \pi^0$ branching fractions. Physical Review D, 2016, 93, .</p> <p>$\text{BR}(B \rightarrow D_s^* \pi^0) = 0.0012 \pm 0.0002$</p>	1.6	5
25	<p>Constraints on the unitarity triangle angle α_1 from Dalitz plot analysis of $B \rightarrow K^* \pi^0$ decays. Physical Review D, 2016, 93, .</p> <p>$\alpha_1 = 100^\circ \pm 10^\circ$</p>	1.6	13
26	<p>Observation of $B \rightarrow D^* \pi^0$ and Evidence for $B \rightarrow D^* \pi^0$ Decays. Physical Review Letters, 2016, 116, 161802.9</p> <p>$\langle \mathcal{M}(B \rightarrow D^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow D^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow D^* \pi^0) \rangle_{\text{new}}$</p>	2.9	6
27	<p>Measurement of the Difference of Time-Integrated Asymmetries in $B \rightarrow K^* \pi^0$ Decays. Physical Review D, 2016, 93, .</p> <p>$\Delta A_{\text{FB}}(B \rightarrow K^* \pi^0) = 0.00 \pm 0.02$</p>	2.9	42
28	<p>Search for Violations of Lorentz Invariance and Symmetry in $B \rightarrow K^* \pi^0$ Decays. Physical Review D, 2016, 93, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{Lorentz}}$</p>	2.9	31
29	<p>Study of $D \rightarrow K^* \pi^0$ mesons decaying to $D \rightarrow K^* \pi^0$ and $D \rightarrow K^* \pi^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.</p> <p>$\langle \mathcal{M}(D \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(D \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(D \rightarrow K^* \pi^0) \rangle_{\text{new}}$</p>	1.6	13
30	<p>Study of Λ_c^+ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.</p> <p>$R_{p\text{Pb}}(\Lambda_c^+) = 1.0 \pm 0.1$</p>	1.6	14
31	<p>Model-independent measurement of mixing parameters in $B \rightarrow K^* \pi^0$ decays. Journal of High Energy Physics, 2016, 2016, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{mixing}}$</p>	1.6	13
32	<p>Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.</p> <p>$\sigma(\text{charm}) = 1.0 \pm 0.1 \text{ nb}$</p>	1.6	100
33	<p>First observation of the decay $B \rightarrow K^* \pi^0$ in the B mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{new}}$</p>	1.5	13
34	<p>Angular analysis of the $B \rightarrow K^* \pi^0$ decay using 3 fb⁻¹ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{angular}}$</p>	1.6	304
35	<p>Study of CP violation in $B \rightarrow K^* \pi^0$ decays with the modes $B \rightarrow K^* \pi^0$ and $B \rightarrow K^* \pi^0$. Physical Review D, 2015, 91, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{CP}}$</p>	1.6	14
36	<p>Study of $B \rightarrow K^* \pi^0$ decays. Physical Review D, 2015, 92, .</p> <p>$\langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle = \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{SM}} + \langle \mathcal{M}(B \rightarrow K^* \pi^0) \rangle_{\text{new}}$</p>	1.6	6

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37	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
38	Evidence for the Strangeness-Changing Weak Decay $\bar{B} \rightarrow \bar{D}^* \bar{K}^0$	2.9	25
39	First observation and amplitude analysis of the $B \rightarrow D^* K^0$	1.6	50
40	Quantum numbers of the $X(3872)$	1.6	69
41	Amplitude analysis of $B \rightarrow D^* K^0$	1.6	30
42	Dalitz plot analysis of $B \rightarrow D^* K^0$	1.6	80
43	Physical Review D, 2015, 92, . Study of W boson production in association with beauty and charm. Physical Review D, 2015, 92, .	1.6	22
44	Search for the rare decays $B_0 \rightarrow J/\psi \pi^0$ and $B_s^0 \rightarrow J/\psi \pi^0$. Physical Review D, 2015, 92, .	1.6	8
45	Model-independent confirmation of the Z		
46	Measurement of C Violation in $B \rightarrow D^* K^0$	2.9	30
47	Observation of the $B_s^0 \rightarrow \bar{D}^* K^0$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
48	Observation of J/ψ Resonances Consistent with Pentaquark States in $B \rightarrow D^* K^0$	2.9	816
49	B		

#	ARTICLE	IF	CITATIONS
73	Determination of the branching fractions of $B \rightarrow D S^+ K^-$ and $B \rightarrow D S^+ K^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
74	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	1.4	11
75	Observation of the $B \rightarrow D^* D^*$ decay from an amplitude analysis of $B \rightarrow D^* D^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14
76	Measurement of the lifetime of the B_c using the $B_c \rightarrow D^* D^*$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 479-484.	1.5	29
77	Measurement of the CP-violating phase β_1 in $B \rightarrow D^* D^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	2.9	47
78	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	1.5	31
79	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.	6.5	105
80	Study of the rare $B \rightarrow D^* D^*$ and B_0 decays into the $\bar{c} \bar{c} s^+ s^+$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-51.	1.5	13
81	Measurement of the Semileptonic $B \rightarrow D^* D^*$ Asymmetry in $B \rightarrow D^* D^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-51.	1.5	17
82	Violation in $B \rightarrow D^* D^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-51.	2.9	32
83	Measurement of $B \rightarrow D^* D^*$ in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	2.9	61
84	Search for CP violation in $B \rightarrow D^* D^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	2.9	65
85	LHCb detector performance. International Journal of Modern Physics A, 2015, 30, 1530022.	0.5	604
86	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
87	Search for CP violation in $B \rightarrow D^* D^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.6	13
88	Study of $\hat{\Gamma}^3$ and $\hat{\Gamma}^2$ mixing from measurement of $B \rightarrow D^* D^*$ decay rates. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
89	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.	1.6	9
90	Search for the lepton flavour violating decay $\bar{b} \rightarrow \bar{c} s^+ \bar{c} s^+$. Journal of High Energy Physics, 2015, 2015, 1.	1.4	32

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91	Precise measurements of the properties of the $B(5721)_{0,+}$ and $B(5747)_{0,+}$ states and observation of B_{c1} mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	21
92	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, .	1.6	17
93	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.	13.7	390
94	Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.	0.5	42
95	Measurement of the $\sigma_c(1S)$ production cross-section in proton-proton collisions via		

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109	Measurement of the B^0 Meson Lifetime in $D_s^+ \rightarrow B^0$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
110	Measurement of $\langle \mathcal{B}(B \rightarrow D^* K) \rangle$ Violation in the Phase Space of $B \rightarrow D^* K$. Physical Review Letters, 2014, 113, 172001.	2.9	78
111	Observation of Overlapping Spin-1 and Spin-3 $B \rightarrow D^* K$ Components in $B \rightarrow D^* K$. Physical Review Letters, 2014, 113, 172001.	1.6	67
112	Observation of $B \rightarrow D^* K$ Mixing. Physical Review Letters, 2014, 113, 172001.	2.9	80
113	Dalitz plot analysis of $B \rightarrow D^* K$. Physical Review Letters, 2014, 113, 172001.	2.9	17
114	Precision Measurement of the Mass and Lifetime of the B_c^0 Baryon. Physical Review Letters, 2014, 113, 032001.	1.6	99
115	Test of Lepton Universality Using $B \rightarrow D^* K$. Physical Review Letters, 2014, 113, 151601.	2.9	20
116	Precision Measurement of the Mass and Lifetime of the B_c^0 Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
117	Test of Lepton Universality Using $B \rightarrow D^* K$. Physical Review Letters, 2014, 113, 151601.	2.9	845
118	Precision Measurement of the Mass and Lifetime of the B_c^0 Baryon. Physical Review Letters, 2014, 113, 242002.	2.9	39
119	Study of beauty baryon decays to $B \rightarrow D^* K$. Physical Review D, 2014, 90, .	1.6	18
120	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
121	Observation of $B^0 \rightarrow D^* K$ Mixing and Measurement of the $B^0 \rightarrow D^* K$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
122	Measurement of the ratio of $B \rightarrow D^* K$ fractions to $B \rightarrow D^* K$. Physical Review Letters, 2014, 112, 091802.	1.6	31
123	Studies of beauty baryon decays to $B \rightarrow D^* K$. Physical Review D, 2014, 90, .	1.6	31
124	Observation of charmonium pairs produced exclusively in $p\bar{p}$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
125	Study of χ_{c0} \rightarrow b meson production in $p\bar{p}$ collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2014, 74, .	1.4	43
126	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.	1.6	21

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145	Angular analysis of charged and neutral $B \hat{+} K \hat{1}/4 + \hat{1}/4 \hat{a} \hat{~}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
146	Evidence for the decay $\text{B}_{\text{c}}^{+} \rightarrow \text{B}_{\text{c}}^{+} \psi(3770) \psi(3770)$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
147	Differential branching fractions and isospin asymmetries of $B \hat{+} K^{*} \hat{1}/4 + \hat{1}/4 \hat{a} \hat{~}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
148	Measurement of CP asymmetry in $D^0 \hat{+} K \hat{a} \hat{~} K^{+}$ and $D^0 \hat{+} \bar{K} \hat{a} \hat{~} \bar{K}^{+}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
149	Study of Υ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{\text{NN}}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
150	Observation of the $\hat{b} \rightarrow \hat{c} \psi(3770)$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
151	Observation of the $B_{\text{c}}^{+} \rightarrow K^{+} K^{+} \bar{K}^{0}$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
152	Study of the kinematic dependences of $\hat{b} \rightarrow \hat{c} \psi(3770)$ production in pp collisions and a measurement of the $\hat{b} \rightarrow \hat{c} \psi(3770)$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
153	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
154	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
155	Measurement of the $B_{\text{c}}^{+} \rightarrow B_{\text{c}}^{+} \psi(3770)$ meson lifetime using $B_{\text{c}}^{+} \rightarrow \psi(3770) \mu^{+} \nu_{\mu}$. European Physical Journal C, 2014, 74, 2839.	1.4	43
156	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
157	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.	1.4	30
158	Search for the decay $D \rightarrow D^0 \psi(3770)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	1.5	19
159	Search for CP violation in the decay $D \rightarrow D^0 \psi(3770)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	1.5	19
160	Measurement of the charge asymmetry in $D \rightarrow D^0 \psi(3770)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	1.5	12
161	Measurement of the charge asymmetry in $D \rightarrow D^0 \psi(3770)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	2.9	325
162	Observation of Photon Polarization in the $b \rightarrow c \gamma$ Transition. Physical Review Letters, 2014, 112, 161801.	2.9	46

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163	Precision measurement of the ratio of the $\frac{B \rightarrow D^* \ell \bar{\nu}_\ell}{B \rightarrow D \ell \bar{\nu}_\ell}$ to $\frac{B \rightarrow D^* \ell \bar{\nu}_\ell}{B \rightarrow D \ell \bar{\nu}_\ell}$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	50
164	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
165	Mass and Lifetime measurements at LHCb. Journal of Physics: Conference Series, 2014, 556, 012019.	0.3	0
166	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{D}^* \ell^+ \ell^- + \bar{D}^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
167	Search for CP violation in $D \rightarrow \bar{D}^* \ell^+ \ell^-$ and $D_s^+ \rightarrow K_S^0 \pi^+ \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
168	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
169	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
170	Measurement of the $B^0 \rightarrow K^* \ell^+ \ell^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
171	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.	1.6	7
172	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.	1.6	89
173	Measurement of CP observables in $B^0 \rightarrow D^* K^* \ell^+ \ell^-$ with $D^* \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	6
174	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.	1.6	53
175	Differential branching fraction and angular analysis of the $B \rightarrow D^* \ell^+ \ell^- + D^* \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2013, 2013, 1.	1.6	72
176	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. Journal of High Energy Physics, 2013, 2013, .	1.6	13
177	Measurement of J/ψ production in pp collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
178	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
179	Measurements of the branching fractions of $B^+ \rightarrow \rho^+ K^0$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
180	Search for $B^+ \rightarrow D^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 203-212.	1.5	38

#	ARTICLE	IF	CITATIONS
181	Model-independent search for CP violation in $B \rightarrow D^0 K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	22
182	Measurement of the time-dependent CP asymmetry in $B \rightarrow D^0 K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	12
183	First measurement of time-dependent CP violation in $B \rightarrow D^0 K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
184	Study of $B_{(s)}^0 \rightarrow K^0 K^0$ decays with first observation of $B_{(s)}^0 \rightarrow K^0 K^0$ and $B_{(s)}^0 \rightarrow K^0 K^0$. Journal of High Energy Physics, 2013, 2013, .	1.6	14
186	Measurement of the relative rate of prompt $c0$, $c1$ and $c2$ production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
187	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow p \bar{p}$. Journal of High Energy Physics, 2013, 2013, .	1.6	10
188	Study of D J meson decays to $D^+ \bar{K}^0$, $D^0 \bar{K}^+$ and $D^+ \bar{K}^+$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
189	First observation of the decay $B_c^+ \rightarrow \psi(3700) K^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
190	Searches for $B_{(s)}^0 \rightarrow \psi(3700) K^0$ and $B_c^+ \rightarrow \psi(3700) K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
191	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow \psi(3700) K^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
192	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
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195	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
196	Observation of the decay $B_c^+ \rightarrow \psi(3700) K^0 K^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
197	First observation of the decay $B_{(s)}^0 \rightarrow \psi(3700) K^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
198	First Evidence for the Decay $B_c^+ \rightarrow \psi(3700) K^0$. Physical Review Letters, 2013, 110, 021801.	2.9	292

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199	First Observation of $C \rightarrow P$ Violation in the Decays of B_c . <i>Physical Review Letters</i> , 2013, 110, 221601.	2.9	105
200	Search for the rare decay $K_S^0 \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	13
201	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.	1.6	14
202	Measurement of the ratio of branching fractions $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 221601.	0.9	48
203	Measurement of the ratio of branching fractions $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 221601.	0.9	48
204	Prompt charm production in pp collisions at $\sqrt{s}=7$ TeV. <i>Nuclear Physics B</i> , 2013, 871, 1-20.	0.9	228
205	Observation of the suppressed ADS modes $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 221601.	1.5	17
206	Measurement of the CKM angle β from a combination of $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 1511360.	1.5	15
207	Search for direct CP violation in $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 221601.	1.5	16
208	Search for direct CP violation in $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 221601.	1.5	16
209	Observation of the decay $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 33-43.	1.5	54
210	Search for the rare decay $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 15-24.	1.5	15
211	Search for the rare decay $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 15-24.	1.5	33
212	Measurement of the differential branching fraction of the decay $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	1.5	35
213	Measurement of the differential branching fraction of the decay $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	0.9	35
214	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 724, 36-45.	1.5	33
215	Observation of $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 101802.	0.9	17
216	Observation of $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* e^+ e^-$. <i>Physical Review Letters</i> , 2013, 110, 101802.	2.9	65

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218	Precision measurement of the $B_{s0} \rightarrow D^+ s^-$ oscillation frequency with the decay $B_{s0} \rightarrow D^+ \bar{K}^0$. New Journal of Physics, 2013, 15, 053021.	1.2	59
220	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.	1.4	104
221	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e^- \mu^+$ and $B \rightarrow \tau^+ e^- \mu^+$. Physical Review Letters, 2013, 111, 141801.	1.6	13
222	Precision Measurement of the $B_{s0} \rightarrow D^+ s^-$ Lifetime. Physical Review Letters, 2013, 111, 102003.	1.6	74
223	Measurement of the $B_{s0} \rightarrow D^+ s^-$ violation and the $B_{s0} \rightarrow D^+ s^-$ decay width difference with $B_{s0} \rightarrow D^+ s^-$. Physical Review Letters, 2013, 111, 102003.	1.6	74
224	Measurement of the $B_{s0} \rightarrow D^+ s^-$ Mixing Parameters and Search for $B_{s0} \rightarrow D^+ s^-$. Physical Review Letters, 2013, 111, 102003.	1.6	74
225	First observations of $B_{s0} \rightarrow D^+ D^+$, $D_s \rightarrow D^+$ and $D^0 \rightarrow D^+$ decays. Physical Review D, 2013, 87, .	1.6	22
226	Measurement of the $B_{s0} \rightarrow D^+ s^-$ and $B_{s0} \rightarrow D^+ s^-$ Asymmetry in $B_{s0} \rightarrow D^+ s^-$. Physical Review Letters, 2013, 111, 181801.	2.9	82
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230	Analysis of the resonant components in $B_{s0} \rightarrow D^+ s^-$. Physical Review Letters, 2013, 111, 181801.	2.9	19
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233	Measurement of the polarization amplitudes in $B_{s0} \rightarrow D^+ s^-$. Physical Review Letters, 2013, 111, 181801.	1.6	7
234	Measurement of the polarization amplitudes in $B_{s0} \rightarrow D^+ s^-$. Physical Review Letters, 2013, 111, 181801.	1.6	7

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236	Observation of the decay $B \rightarrow \hat{\pi}^+ c$ and search for $B \rightarrow \hat{\pi}^+ K$. Physical Review Letters, 2013, 111, 191801.	1.6	33
237	Measurement of Form-Factor-Independent Observables in the Decay $B \rightarrow \hat{\pi}^+ c$. Physical Review D, 2013, 87, .	2.9	15
238	Observation of $B \rightarrow \hat{\pi}^+ c$ and search for $B \rightarrow \hat{\pi}^+ K$. Physical Review Letters, 2013, 111, 191801.	1.6	55
239	Study of $B \rightarrow \hat{\pi}^+ D^* a^{\sim} \bar{c} + \bar{c} a^{\sim} \bar{c} + \text{and } B \rightarrow \hat{\pi}^+ D^* a^{\sim} K + \bar{c} a^{\sim} \bar{c} + \text{decays}$. Physical Review D, 2013, 87, .	1.6	11
240	Measurement of the C and P Asymmetry in $B \rightarrow \hat{\pi}^+ c$. Physical Review Letters, 2013, 110, 031801.	2.9	22
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245	Measurement of the C and P Asymmetry in $B \rightarrow \hat{\pi}^+ c$ and search for $B \rightarrow \hat{\pi}^+ K$. Physical Review Letters, 2013, 110, 180503.	1.6	20
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