

# Andrea Contu

## List of Publications by Year in descending order

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Version: 2024-02-01

601  
papers

26,104  
citations

8732

75  
h-index

12558

132  
g-index

613  
all docs

613  
docs citations

613  
times ranked

8909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the $B_c \rightarrow B^0 \pi^+ \pi^-$ decay properties and search for the $B_c \rightarrow B^0 \pi^+ \pi^-$ decay. Physical Review D, 2022, 105, .	1.6	51
2	Study of $B_c \rightarrow B^0 \pi^+ \pi^-$ decays to charmonia and three light hadrons. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
3	Precise determination of the $B_s^0 \rightarrow B^0 \pi^+ \pi^-$ oscillation frequency. Nature Physics, 2022, 18, 1-5.	6.5	11
4	Analysis of Neutral $B_c \rightarrow B^0 \pi^+ \pi^-$ Meson Decays into Two Muons. Physical Review Letters, 2022, 128, 041801.	2.9	46
5	Measurement of $J/\psi(3720)$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
6	Evidence for a New Structure in the $B_c \rightarrow B^0 \pi^+ \pi^-$ and $B_c \rightarrow B^0 \pi^+ \pi^-$ decays. Physical Review D, 2022, 105, .	2.9	33
7	Identification of charm jets at LHCb. Journal of Instrumentation, 2022, 17, P02028.	0.5	2
8	Study of $Z \rightarrow B_c \pi^+ \pi^-$ Bosons Produced in Association with Charm in the Forward Region. Physical Review Letters, 2022, 128, 082001.	2.9	11
9	$J/\psi(3720)$ photoproduction in Pb-Pb peripheral collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2022, 105, .	1.1	2
10	Observation of $\Lambda_b^0 \rightarrow D^+ \pi^- \pi^+ \pi^-$ and $\Lambda_b^0 \rightarrow D^+ \pi^- \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2022, 2022, 1.	1.6	0
11	Measurement of the photon polarization in $B_c \rightarrow B^0 \pi^+ \pi^-$ decays. Physical Review D, 2022, 105, .	1.6	6
12	Modeling of Solid State Detectors Using Advanced Multi-Threading: The TCoDe and TFBoost Simulation Packages. Frontiers in Physics, 2022, 10, .	1.0	3
13	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in $Pb-Pb$ and $Pb-P$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2022, 105, .	2.9	10
14	Observation of the $B_c \rightarrow B^0 \pi^+ \pi^-$ and $B_c \rightarrow B^0 \pi^+ \pi^-$ decays. Physical Review D, 2022, 105, .	1.6	2
15	Search for massive long-lived particles decaying semileptonically at $\sqrt{s} = 13, \text{hbox {TeV}}$ . European Physical Journal C, 2022, 82, .	2.9	10
16	Search for massive long-lived particles decaying semileptonically at $\sqrt{s} = 13, \text{hbox {TeV}}$ . European Physical Journal C, 2022, 82, .	1.4	2
17	Search for the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
18	Observation of the Decay $B_c \rightarrow B^0 \pi^+ \pi^-$ and $B_c \rightarrow B^0 \pi^+ \pi^-$ decays. Physical Review D, 2022, 105, .	2.9	33

#	ARTICLE	IF	CITATIONS
19	Centrality determination in heavy-ion collisions with the LHCb detector. Journal of Instrumentation, 2022, 17, P05009.	0.5	2
20	Tests of Lepton Universality Using $B_{0K^0} S_{0K^0}$ and $B_{0K^0} S_{0K^0}$ Measurements of the charm mixing parameter $ y_C $ using two-body $B_{0K^0} S_{0K^0}$ decays. Physical Review Letters, 2022, 128, .	2.9	15
21	Angular Analysis of $B_{0K^0} S_{0K^0}$ decays. Physical Review Letters, 2022, 128, .	2.9	15
22	Study of the doubly charmed tetraquark $T_{cc}$ . Nature Communications, 2022, 13, .	5.8	107
24	Observation of an exotic narrow doubly charmed tetraquark. Nature Physics, 2022, 18, 751-754.	6.5	124
25	Performance of the LHCb RICH detectors during LHC Run 2. Journal of Instrumentation, 2022, 17, P07013.	0.5	6
26	LHCb Collaboration. Nuclear Physics A, 2021, 1005, 122093.	0.6	0
27	Observation of a new $B_{0K^0} S_{0K^0}$ state. Physical Review D, 2021, 103, .	1.6	21
28	Timing optimisation and analysis in the design of 3D silicon sensors: the TCoDe simulator. Journal of Instrumentation, 2021, 16, P02011-P02011.	0.5	4
29	Study of $B_{0K^0} S_{0K^0}$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
30	First Observation of the Decay $B_{0K^0} S_{0K^0}$ and a Measurement of $ y_C $ . Physical Review Letters, 2021, 126, 081804.	2.9	20
31	Measurement of differential $b\bar{b}$ - and $c\bar{c}$ -dijet cross-sections in the forward region of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
32	Measurement of the CKM angle $\hat{\beta}$ in $B_{0K^0} S_{0K^0}$ and $B_{0K^0} S_{0K^0}$ decays with $D^0$ $B_{0K^0} S_{0K^0}$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
33	Search for long-lived particles decaying to $e^+ \mu^-$ . European Physical Journal C, 2021, 81, 1.	1.4	9
34	Observation of a New Excited $D_{s1}^*$ Meson in $B_{0K^0} S_{0K^0}$ decays. Physical Review Letters, 2021, 126, 122002.	2.9	20
35	Measurement of the CKM angle $\hat{\beta}$ in $B_{0K^0} S_{0K^0}$ decays with $D^0$ $B_{0K^0} S_{0K^0}$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	2

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37	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^+ \mu^-$ , ext $\{jet\}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
38	Measurement of $C \rightarrow P$ Violation in the Decay $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2021, 126, 091802.	2.9	9
39	Observation of CP violation in two-body $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ meson decays to charged pions and kaons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
40	Measurement of CP observables in $B^{\pm} \rightarrow D^{(*)} K^{\pm}$ and $B^{\pm} \rightarrow D^{(*)} \pi^{\pm}$ decays using two-body D final states. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
41	Search for the rare decay $B^0 \rightarrow \pi^+ \pi^-$ . Chinese Physics C, 2021, 45, 043001.	1.5	2
42	Angular Analysis of the $B \rightarrow K^* \mu^+ \mu^-$ Decay. Physical Review Letters, 2021, 126, 161802.	2.9	96
43	Observation of the $B^0 \rightarrow K^+ K^- \pi^+$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	1.5	1
44	Observation of the decay $\Lambda_b^0 \rightarrow \pi^+ \pi^- \pi^0$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
45	Measurement of the prompt-production cross-section ratio $\sigma(\Lambda_b^0)/\sigma(\Lambda_b^0)$ in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physical Review C, 2021, 103, .	1.1	5
46	Observation of new excited $B^0_{(s)}$ states. European Physical Journal C, 2021, 81, .	1.4	9
47	Measurement of $C \rightarrow P$ asymmetry in $D^0 \rightarrow K^* \mu^+ \mu^-$ . Precise measurement of the $D^0 \rightarrow K^* \mu^+ \mu^-$ ratio of fragmentation fractions and of $D^0 \rightarrow K^* \mu^+ \mu^-$ and $D^0 \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2021, 126, 161802.	1.6	3
48	Measurement of $D^0 \rightarrow K^* \mu^+ \mu^-$ ratio of fragmentation fractions and of $D^0 \rightarrow K^* \mu^+ \mu^-$ and $D^0 \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2021, 126, 161802.	1.6	32
49	Measurement of $D^0 \rightarrow K^* \mu^+ \mu^-$ and $D^0 \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2021, 126, 161802.	2.9	93
50	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	10
51	Search for $C \rightarrow P$ violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2021, 104, .	1.6	6
52	Search for the doubly heavy baryons $\Xi_{cc}^+$ and $\Xi_{cc}^0$ decaying to $\Lambda_c^+ \pi^-$ and $\Lambda_c^0 \pi^+$ . Chinese Physics C, 2021, 45, 093002.	1.5	23
53	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2021, 127, 111801.	2.9	23
54	Branching Fraction Measurements of the Rare $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letter	2.9	27

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55	Search for time-dependent CP violation in $CP$ -violating phase in $B_c \rightarrow P$ violation in $B_c \rightarrow P$ decays. <i>Physical Review D</i> , 2021, 104, .	1.6	9
56	Angular analysis of the rare decay $B_s \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ . <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	28
57	First measurement of the $CP$ -violating phase in $B_c \rightarrow \psi$ decays. <i>Physical Review D</i> , 2021, 104, .	1.6	14
58	Observation of excited $\Lambda_c$ baryons in $B_c \rightarrow p \Lambda_c$ decays. <i>Physical Review D</i> , 2021, 104, .	1.6	19
59	Search for the doubly charmed baryon $\Xi_{cc}^+$ in the $\Xi_{cc}^+ \rightarrow p \pi^+ \pi^0$ final state. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	8
60	Updated search for $B_c^+$ decays to two charm mesons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	0
61	Observation of the suppressed $B_c \rightarrow p \Lambda_c$ decay with $B_c \rightarrow p \Lambda_c$ decay. <i>Physical Review D</i> , 2021, 104, .	1.6	16
62	Timing optimization for 3D silicon sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 958, 162491.	0.7	0
63	Search for the doubly charmed baryon $\Xi_{cc}^+$ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	35
64	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , 2020, 125, 212001.	2.9	10
65	Precision measurement of the $B_c$ meson mass. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	8
66	Updated measurement of decay-time-dependent CP asymmetries in $D \rightarrow K^+ K^-$ and $D \rightarrow \bar{K}^0 K^0$ decays. <i>Physical Review D</i> , 2020, 101, .	1.6	8
67	Isospin Amplitudes in $B_c \rightarrow p \Lambda_c$ decay. <i>Physical Review D</i> , 2021, 104, .	1.6	8



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73	Constraints on the branching fraction of the decay $B \rightarrow K S$ . Physical Review Letters, 2020, 125, 231801.	2.9	14
74	Model-independent study of structure in $B \rightarrow D$ decays. Physical Review Letters, 2020, 125, 242001.	2.9	111
75	Search for the rare decays $B \rightarrow e \nu$ . Physical Review Letters, 2020, 125, 011802.	2.9	16
76	Measurement of the branching fraction of the decay $B \rightarrow K s$ . Physical Review Letters, 2020, 125, 011802.	1.6	3
77	Measurement of the branching fraction of the decay $B \rightarrow D$ . Physical Review Letters, 2020, 125, 011802.	1.6	3
78	First branching fraction measurement of the suppressed decay $B \rightarrow c \bar{c} \ell \bar{\nu}$ . Physical Review D, 2020, 102, .	1.6	18
79	Test of lepton universality with $\Lambda_b \rightarrow p K^0 \ell \bar{\nu}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
80	Observation of New Baryons Decaying to $B_c \rightarrow B \ell \nu$ . Physical Review Letters, 2020, 124, 082002.	2.9	45
81	First Observation of Excited $B_c$ States. Physical Review Letters, 2020, 124, 082002.	2.9	44
82	Measurement of the $\Lambda_b^0$ angular distribution and the polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
83	Measurement of $C$ -Averaged Observables in the $B \rightarrow K$ decay. Physical Review Letters, 2020, 125, 011802.	2.9	128
84	Measurement of CP observables in $B_{\pm} \rightarrow D K_{\pm}^* \ell \bar{\nu}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
85	Precision measurement of the $\chi_{cc}^{++}$ mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
86	Measurement of $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Chinese Physics C, 2020, 44, 022001.	1.5	16
87	Determination of quantum numbers for several excited charmed mesons observed in $B \rightarrow D^* \bar{c} \ell \bar{\nu}$ decays. Physical Review D, 2020, 101, .	1.6	21
88	Amplitude analysis of the $B \rightarrow K \ell \bar{\nu}$ decay. Physical Review D, 2020, 101, 031801.	1.6	42
89	Violation in $B \rightarrow K$ decay. Physical Review Letters, 2020, 124, 031801.	2.9	32
90	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2020, 80, .	1.4	8

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91	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle < mml:mrow \rangle < mml:mo stretchy="false" \rangle   < /mml:mo \rangle < mml:msub \rangle < mml:mrow \rangle < mml:mi \rangle V < /mml:mi \rangle < /mml:mrow \rangle < mml:mrow \rangle < mml:mi \rangle c < /mml:mi \rangle < /mml:mrow \rangle < mml:mi \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle < mml:mrow \rangle < mml:msub \rangle < mml:mrow \rangle < mml:mi \rangle A < /mml:mi \rangle < /mml:mrow \rangle < mml:mrow \rangle < mml:mi \rangle \hat{\epsilon}^2 < /mml:mi \rangle < /mml:mrow \rangle < mml:mi \rangle \hat{1}/4 < /mml:mi \rangle < /mml:mrow \rangle < mml:mrow \rangle < mml:mi \rangle + < /mml:mi \rangle < /mml:mrow \rangle < mml:mi \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle < mml:mrow \rangle < mml:msup \rangle < mml:mrow \rangle < mml:mi \rangle K < /mml:mi \rangle + < /mml:mrow \rangle < mml:mi \rangle \hat{1}/4 < /mml:mi \rangle \hat{\nu}_l, +$ using $\{B\}_{s2}^{\ast 0}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
92	Search for the lepton flavour violating decay $B + \hat{\nu}_l \rightarrow K + \hat{1}/4 \hat{\nu}_l$ , using $\{B\}_{s2}^{\ast 0}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
94	Observation of a new baryon state in the $\{\Lambda\}_{\text{b}}^0 \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
95	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
96	Search for the doubly heavy $\{\Xi\}_{\text{bc}}^0$ baryon via decays to $D^0 p K^+$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
97	Strong constraints on the $b \hat{\nu}_l \rightarrow s \hat{\nu}_l$ photon polarisation from $B^0 \hat{\nu}_l \rightarrow K^0 e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
98	Measurement of the relative branching fractions of $B \rightarrow B^+ B^0 \pi^+ \pi^-$ decays. Physical Review D, 2020, 102, .	1.6	6
99	Measurement of the $\{\eta_{\text{c}}\}$ (1S) production cross-section in $p p$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
100	Search for CP violation in $\{\varphi\}^+ \rightarrow \{p\} \{K\}^+ \{\pi\}^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
101	Measurement of branching fraction ratios for $B \rightarrow D^+ D^{\ast -} K^+$ , $B \rightarrow D^+ D^{\ast -} K^+$ , and $B^0 \rightarrow D^{\ast -} D^0 K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
102	Measurement of the shape of the $\{B\}_{s^0} \{D\}_{s^{\ast -}} \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
103	First observation of the decay $B \rightarrow B^+ B^0 \pi^+ \pi^-$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	0
104	Observation of the semileptonic decay $B^+ \rightarrow \overline{p} \mu^+ \mu^-$ . Journal of High Energy Physics, 2020, 2020, .	1.6	4
105	Measurement of CP violation in $B^0 \rightarrow D^+ D^{\ast -}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
106	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+ K^+$ , $D^+ \rightarrow \bar{K}^0 K^+ K^+$ and $D^+ \rightarrow \bar{K}^0 K^+ K^+$ . Journal of High Energy Physics, 2019, 2019, .	1.6	6
107	Study of the $B^0 \rightarrow \bar{K}^0 K^+ (892)^0$ decay with an amplitude analysis of $B^0 \rightarrow \bar{K}^0 (K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
108	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^- (2S)$ and $B^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	5

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109	Dalitz plot analysis of the $D^+ \rightarrow K^+ K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
110	Precision measurement of the $B^0 \rightarrow K^+ K^- K^+ K^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
111	Amplitude analysis of $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
112	First Observation of the Radiative Decay $B^0 \rightarrow K^+ K^- K^+ K^- \gamma$ . Physical Review Letters, 2019, 123, 031801.	2.9	19
113	Measurement of the branching fraction and CP asymmetry in $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
114	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802.	2.9	55
115	Near-threshold $D^0$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
116	Amplitude analysis of the $B^0 \rightarrow K^+ K^- K^+ K^-$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^+ K^- K^+ K^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
117	Observation of New Resonances in the $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. Physical Review Letters, 2019, 123, 152001.	2.9	19
118	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
119	Measurements of CP asymmetries in charmless four-body $B^0 \rightarrow K^+ K^- K^+ K^-$ and $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	11
120	Measurement of hadron fractions in $B^0 \rightarrow K^+ K^- K^+ K^-$ collisions. Physical Review D, 2019, 100, .	1.6	51
121	Measurement of the relative $B^0 \rightarrow K^+ K^- K^+ K^-$ branching fractions using $B^0$ mesons from $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. Physical Review D, 2019, 99, .	1.6	3
122	Measurement of CP observables in the process $B^0 \rightarrow K^+ K^- K^+ K^-$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
123	Search for the rare decay $B^0 \rightarrow K^+ K^- K^+ K^-$ . European Physical Journal C, 2019, 79, 1.	1.4	11
124	Measurement of the CP-violating phase $\gamma$ from $B^0 \rightarrow K^+ K^- K^+ K^-$ decays. Physics Letters, 2019, 800, 280001.	1.5	6
125	Observation of the $B^0 \rightarrow K^+ K^- K^+ K^-$ (3872) $\rho^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
126	Measurement of the Charm-Mixing Parameter $\gamma_{CP}$ . Physical Review Letters, 2019, 122, 011802.	2.9	15



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127	Prospects for measurements with strange hadrons at LHCb. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
128	Search for CP Violation in $D_s + \hat{t}' KS0^{\pm}$ , $D + \hat{t}' KS0K^+$ , and $D + \hat{t}' \bar{t} \bar{t}^{\pm}$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
129	Measurement of $B \rightarrow s \tau^+ \tau^-$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
130	Measurement of $B \rightarrow K^* \tau^+ \tau^-$ Decays. Physical Review Letters, 2019, 122, 191803.	1.6	17
131	Observation of a Narrow Pentaquark State. Physical Review Letters, 2019, 122, 232001.	2.9	157
132	Observation of an Excited Pentaquark State. Physical Review Letters, 2019, 122, 232001.	2.9	157
133	Search for Lepton-Universality Violation in $B \rightarrow K^* \tau^+ \tau^-$ Decays. Physical Review Letters, 2019, 122, 191801.	2.9	355
134	Observation of the doubly Cabibbo-suppressed decay $\bar{D}^0 \rightarrow K^+ K^- \pi^+$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
135	Model-Independent Observation of Exotic Contributions to $B \rightarrow K^* \tau^+ \tau^-$ Decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
136	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
138	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	2.9	48
139	Measurement of the mass and production rate of $\bar{\Lambda}_b^0$ baryons. Physical Review D, 2019, 99, .	1.6	18
140	Prompt $\bar{b} + c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
141	TCoDe: A new multithread simulator for silicon sensors in HEP applications. , 2019, .		0
142	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	0.5	7
143	A search for $\chi_{c0}^{++}$ $D + p K^+ \bar{t}^{\pm}$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
144	Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B^0 \rightarrow \bar{t} \bar{t}$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6

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145	Measurement of the meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2018, 100, 012001. $B \rightarrow c \bar{c} \ell \ell$	1.6	12
146	Search for Lepton-Flavor Violating Decays $B \rightarrow \ell \ell \ell$ and $B \rightarrow \ell \ell \nu$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
147	Search for Lepton-Flavor Violating Decays $B \rightarrow \ell \ell \nu$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
148	Measurement of $B \rightarrow C P$ -Violating and Mixing-Induced Observables in $B \rightarrow s \ell \ell$ Decays. Amplitude Analysis of $B \rightarrow \ell \ell \ell$ . Physical Review Letters, 2019, 123, 241802.	2.9	10
149	Amplitude Analysis of $B \rightarrow \ell \ell \ell$ . Physical Review Letters, 2019, 123, 241802.	2.9	38
150	Measurement of Charged Hadron Production in $Z$ -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2018, 120, 061801.	2.9	10
151	Systems and Precise Measurement of $B \rightarrow \ell \ell \ell$ . Physical Review Letters, 2018, 120, 061801.	2.9	48
152	Search for excited $B_c$ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
153	Search for Dark Photons Produced in 13 TeV $pp$ Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
154	First observation of forward $Z \ell^+ b \bar{b} \ell^-$ production in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
155	Measurement of CP observables in $B \rightarrow \ell \ell D$ and $B \rightarrow \ell \ell \bar{D}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.8	15
156	A measurement of the CP asymmetry difference between $B \rightarrow \ell \ell K^+$ and $B \rightarrow \ell \ell K^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
157	Measurement of CP asymmetry in $B \rightarrow \ell \ell D^*$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
158	Search for the lepton-flavour violating decays $B \rightarrow \ell \ell \ell$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
159	First measurement of the CP-violating phase $\phi_s^{\text{eff}}$ in $B \rightarrow \ell \ell (K^+ \bar{K}^0) (K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
160	Test of lepton flavor universality by the measurement of the $B \rightarrow D \ell \ell$ decays. Physical Review Letters, 2018, 120, 061801.	1.6	189
161	Measurement of the Ratio of Branching Fractions $R_{\ell \ell}$ and $R_{\ell \ell \nu}$ . Physical Review Letters, 2018, 120, 061801.	2.9	204
162	Measurement of the Ratio of Branching Fractions $R_{\ell \ell}$ and $R_{\ell \ell \nu}$ . Physical Review Letters, 2018, 120, 061801.	2.9	204

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164	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow \pi^+ \pi^- K^0_S$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
165	Study of $\psi$ production in pPb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
166	Search for beautiful tetraquarks in the $\psi(1S) \rightarrow 4\pi$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1. Search for CP violation in <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	1.6	39
167	<a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" overflow="scroll" < mml:msubsup > < mml:mrow > < mml:mi > $\hat{b}$ < /mml:mi > < /mml:mrow > < mml:mrow > < mml:mi > b < /mml:mi > < /mml:mrow > < mml:mi > p < /mml:mi > < mml:msup > < mml:mrow > < mml:mi > K < /mml:mi > < /mml:mrow > < mml:mrow > < mml:mi > and < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" > $\hat{c}$ < /mml:math > Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	1.5	13
168	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	1.4	9
169	Evidence for an $\eta_c(1S) \rightarrow \pi^+ \pi^- \psi(1S)$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$		

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181	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{bc}^{++} \rightarrow \Lambda_{bc}^{+} \pi^{+}$ . Physical Review Letters, 2018, 121, 092003.	2.9	122
182	Measurement of the CKM angle $\hat{\beta}$ using $B_{d,s}^{\pm} \rightarrow D K_{s1}^{\pm}$ with $D \rightarrow K^{*} \pi$ , $K^{*} \rightarrow K \pi$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
183	Measurement of $D_{s1}^{\pm}$ s production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
184	Measurement of Angular and CP Asymmetries in $B_{d,s}^{\pm} \rightarrow D^{\pm} K^{\mp}$ Decays. Physical Review D, 2018, 97, .	2.9	13
185	Measurement of the $D_{s1}^{\pm}$ Lifetime. Physical Review Letters, 2018, 121, 092003.	2.9	23
186	Evidence for the decay $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
187	Measurement of CP asymmetries in two-body $B(s) \rightarrow$ meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	1.6	20
188	Observation of the decay $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
189	Measurement of the CP asymmetry in $B_{d,s}^{\pm} \rightarrow D^{\pm} K^{\mp}$ and $B_{d,s}^{\pm} \rightarrow D^{\pm} K^{\mp} K^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
190	Search for CP violation using triple product asymmetries in $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ , $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} K^{\pm}$ and $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
191	Search for the rare decay $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ . Physical Review D, 2018, 97, .	1.6	17
192	Search for weakly decaying $b$ -flavored pentaquarks. Physical Review D, 2018, 97, .	1.6	7
193	First observation of $B_{d,s}^{\pm} \rightarrow D^{\pm} K^{\mp}$ and a search for $B_{d,s}^{\pm} \rightarrow D^{\pm} K^{\mp} K^{\pm}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
194	Measurements of the branching fractions of $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ , $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} K^{\pm}$ , and $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} K^{\mp}$ . Journal of High Energy Physics, 2018, 2018, .	1.6	10
195	Measurement of CP violation in $B_{d,s}^{\pm} \rightarrow D^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
196	Amplitude Analysis of the Decay $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ and First Observation of the CP Asymmetry in $B_{d,s}^{\pm} \rightarrow K^{\pm} \pi^{\pm} \pi^{\mp}$ . Physical Review Letters, 2018, 120, 261801.	2.9	14
197	Search for $B_{c^+}$ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	0.9	8
198	Measurement of the Lifetime of the Doubly Charmed Baryon $\Lambda_{bc}^{++}$ . Physical Review Letters, 2018, 121, 052002.	2.9	76

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199	Measurement of branching fractions of charmless four-body $\hat{b} \rightarrow b \bar{0}$ and $\hat{z} \rightarrow b \bar{0}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
200	Observation of the decay $\hat{b} \rightarrow 0 \hat{t}^+ \hat{t}^- c + p \hat{p} \hat{e}^+ \hat{e}^- \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	1.5	8
201	Observation of a New Resonance. Physical Review Letters, 2018, 121, 072002.	2.9	27
202	Evidence for the Rare Decay $\hat{b} \rightarrow \hat{t}^+ \hat{t}^- c + p \hat{p} \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 120, 221803.	2.9	24
203	Search for the CP-violating strong decays $\hat{b} \rightarrow \hat{t}^+ \hat{t}^- c + \hat{e}^+ \hat{e}^-$ and $\hat{b} \rightarrow \hat{e}^+ \hat{e}^- (958) \hat{t}^+ \hat{t}^- c + \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
204	Search for the suppressed decays $B \rightarrow \hat{t}^+ K + K + \hat{e}^+ \hat{e}^-$ and $B \rightarrow \hat{t}^+ \hat{e}^+ \hat{e}^- K + \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
205	Amplitude analysis of $B \rightarrow \hat{t}^+ K + K + \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.6	92
206	Observation of the Amplitude Decay Mode $B \rightarrow \hat{t}^+ K + K + \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	2.9	150
207	Consistent with Exotic States from Amplitude Analysis of $B \rightarrow \hat{t}^+ K + K + \hat{e}^+ \hat{e}^-$ . Physical Review Letters, 2017, 118, 081801.	2.9	25
208	First Experimental Study of Photon Polarization in Radiative $B_s \rightarrow 0$ Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
209	Measurement of forward $B \rightarrow \hat{t}^+ K + K + \hat{e}^+ \hat{e}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	7
210	Observation of the decay $B \rightarrow \hat{t}^+ W + W + \hat{e}^+ \hat{e}^-$ and evidence for $B \rightarrow \hat{t}^+ \hat{t}^- c + p \hat{p} \hat{e}^+ \hat{e}^-$ . Physical Review Letters, 2017, 118, 052002.	1.6	21
211	Measurement of the $B \rightarrow \hat{t}^+ \hat{t}^- c + p \hat{p} \hat{e}^+ \hat{e}^-$ -Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
212	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow \hat{t}^+ K + \hat{t}^- K + \hat{e}^+ \hat{e}^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
213	Study of the $D \rightarrow 0 p$ amplitude in $\hat{b} \rightarrow b \hat{e}^+ \hat{e}^- D \rightarrow p \hat{e}^+ \hat{e}^-$ decays. Journal of High Energy Physics, 2017, 2017, 11.6	1.6	54
214	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
215	Observation of $B \rightarrow \hat{t}^+ \hat{t}^- c + p \hat{p} \hat{e}^+ \hat{e}^-$ and $B \rightarrow \hat{t}^+ \hat{t}^- c + p \hat{p} \hat{e}^+ \hat{e}^-$ . European Physical Journal C, 2017, 77, 72.	1.4	7
216	Measurement of CP asymmetry in $D \rightarrow \hat{t}^+ \hat{t}^- K + \hat{e}^+ \hat{e}^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17



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218	Search for long-lived scalar particles in $B \rightarrow K \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111803.	1.6	79
219	Study of prompt $D^0$ meson production in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
220	Prompt and nonprompt $J/\psi$ production and nuclear modification in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.5	37
221	Study of charmonium production in $B \rightarrow D^* \mu^+ \mu^-$ decays. European Physical Journal C, 2017, 77, 609.	1.4	17
222	Study of charmonium production in $B \rightarrow D^* \mu^+ \mu^-$ decays and first evidence for the decay $B \rightarrow D^* \mu^+ \mu^-$ . European Physical Journal C, 2017, 77, 609.	1.4	17
223	Improved limit on the branching fraction of the rare decay $B \rightarrow D^* \mu^+ \mu^-$ . European Physical Journal C, 2017, 77, 678.	1.4	17
224	Observation of $B_c \rightarrow D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, .	1.6	12
225	Measurements of charm mixing and $C \rightarrow P$ violation using $D \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2017, 95, .	1.6	11
226	Measurement of the $B_{\Delta}^{\pm}$ production asymmetry and the CP asymmetry in $B_{\Delta}^{\pm} \rightarrow K^* K^{\pm}$ decays. Physical Review D, 2017, 95, .	1.6	6
227	Search for the $B \rightarrow D^* \mu^+ \mu^-$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
228	Observation of the decay $\tilde{\chi}_1^0 \rightarrow b \tilde{c} \rightarrow b \tilde{c} p \bar{K}^{\pm}$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
229	Measurement of $B \rightarrow D^* \mu^+ \mu^-$ and $D \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	15
230	Observation of the Doubly-Charmed Baryon $\Xi_{cc}^{++}$ . Physical Review Letters, 2017, 119, 112001.	2.9	417
231	Measurement of the CP Violation Parameter $A_{FB}^{\ell}$ in $D^0 \rightarrow K^* K^{\pm}$ and $D^0 \rightarrow K^* K^{\pm}$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
232	Observation of $B \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	15
233	States Decaying to $D^* \mu^+ \mu^-$ . Physical Review Letters, 2017, 119, 112001.	2.9	234
234	Measurement of CP asymmetries in $D_{\Delta}^{\pm} \rightarrow K^* K^{\pm}$ and $D_s \rightarrow K^* K^{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	8

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235	Observation of the $B \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	18
236	Observation of the $B \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
237	Branching Fraction and Effective Lifetime and Search for $B \rightarrow D^* K^0$ decay. Physical Review Letters, 2017, 118, 062001.	2.9	220
238	Study of $B \rightarrow D^* K^0$ decay. Physical Review Letters, 2017, 118, 062001.	2.9	39
239	Observation of the Decays $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 119, 062001.	2.9	28
240	Observation of the $B \rightarrow D^* K^0$ decay. Physical Review D, 2017, 96, .	1.6	4
241	Search for the Decays $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 118, 251802.	2.9	81
242	Measurement of the shape of the $B \rightarrow D^* K^0$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
243	Observation of the suppressed decay $B \rightarrow D^* K^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
244	Test of lepton universality with $B \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	425
245	$B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ Resonance Parameters with the Decays $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 119, 221801.	2.9	18
246	Observation of $B \rightarrow D^* K^0$ Meson Decays to $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$ . Physical Review Letters, 2017, 119, 181805.	2.9	21
247	LHCb Collaboration. Nuclear Physics A, 2017, 967, 987-993.	0.6	1
248	Search for Baryon-Number Violating $B \rightarrow D^* K^0$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
249	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
250	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
251	Measurements of prompt charm production cross-sections in pp collisions at $s = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35
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254	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \hat{\pi}^+ p \hat{\Lambda}^-$ . Physical Review Letters, 2017, 119, 232001.	2.9	15
255	Resonances and CP violation in $B \rightarrow \psi K^+ \Lambda^-$ and $B \rightarrow \psi K^+ \Sigma^-$ decays in the mass region above the $\Lambda(1020)$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
256	Study of $\overline{B} \rightarrow \psi K^+ \Lambda^-$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
257	Measurement of CP observables in $B \rightarrow \psi K^+ \Lambda^-$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
258	Measurement of $B \rightarrow \psi K^+ \Lambda^-$ and $B \rightarrow \psi K^+ \Sigma^-$ decays in the mass region above the $\Lambda(1020)$ . Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 139-158.	1.5	13
259	Measurement of CP violation in $B \rightarrow \psi K^+ \Lambda^-$ and $B \rightarrow \psi K^+ \Sigma^-$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	9
260	First Observation of a Baryonic $B \rightarrow \psi K^+ \Lambda^-$ decay. Physical Review Letters, 2017, 119, 041802.	1.6	11
261	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
262	Updated branching fraction measurements of $B \rightarrow \psi K^+ \Lambda^-$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
263	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
264	Observation of the decay $B \rightarrow \psi K^+ \Lambda^-$ and evidence for $B \rightarrow \psi K^+ \Sigma^-$ . Journal of High Energy Physics, 2017, 2017, .	1.6	6
265	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.	1.6	9
266	Measurement of the $B \rightarrow \psi K^+ \Lambda^-$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
267	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
268	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \psi K^+ \Lambda^-$ and $B \rightarrow \psi K^+ \Sigma^-$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
269	A precise measurement of the $B \rightarrow \psi K^+ \Lambda^-$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
270	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26

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272	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.	1.6	16
273	Observation of $B^0 \rightarrow (2S) p K^+$ and $B^0 \rightarrow \bar{K}^0 \bar{K}^+ p K^+$ decays and a measurement of the $B^0$ baryon lifetime. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
274	Measurement of the properties of the $\Lambda_b^0$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
275	Production of associated $\Upsilon$ 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.	1.6	37
276	Measurement of the CKM angle $\beta_3$ using $B^0 \rightarrow DK^*0$ with $D \rightarrow K^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
277	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.	1.6	23
278	Measurement of the ratio of branching fractions $\mathcal{B}(B_c \rightarrow \bar{K}^+ J/\psi K^+) / \mathcal{B}(B_c \rightarrow \bar{K}^+ J/\psi K^0)$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
279	Measurement of forward $W^+ \ell^{1/2}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
280	Measurement of the CKM angle $\beta_3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
281	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays and the $B^0 \rightarrow K^+ K^- (892)0^{1/4} + \ell^+ \ell^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
282	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	1.5	77
283	A new algorithm for identifying the flavour of $B^0$ mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
284	Amplitude analysis of $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays and the $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ differential branching. Physical Review D, 2016, 94, .	1.6	72
285	Study of $B_c^+$ decays to the $K^+ K^0 \ell^+$ final state and evidence for the decay $B_c^+ \rightarrow \bar{K}^0 \ell^+$ . Physical Review D, 2016, 94, .	1.6	20
286	Measurement of $C \rightarrow P$ violation in $B^0 \rightarrow D^+ D^-$ decays. Physical Review Letters, 2016, 117, 261801.	2.9	12
287	Measurement of the $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ differential branching. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	1.5	6
288	Search for the lepton-flavour violating decay $D^0 \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20

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290	Measurements of long-range near-side angular correlations in proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	1.5	17
291	Search for $B_c^+$ decays to the $pp\bar{e}^+e^+$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	1.5	12
292	Observation of the $B \rightarrow D^* K^* S^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
293	Measurement of CP observables in $B \rightarrow DK^* K^*$ and $B \rightarrow DK^* K^*$ with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	1.5	20
294	Model-independent evidence for $B \rightarrow D^* K^* S^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	2.9	22
295	Contributions to $B \rightarrow D^* K^* S^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	2.9	102
296	Studies of the resonance structure in $B \rightarrow D^* K^* S^0$ decays. Physical Review D, 2016, 93, .	2.9	110
297	Measurement of the mass and lifetime of the $B_c^+$ baryon. Physical Review D, 2016, 93, .	1.6	20
298	First observation of the rare $B \rightarrow D^* K^* S^0$ decay. Physical Review D, 2016, 93, .	1.6	13
299	Oscillations in $B \rightarrow D^* K^* S^0$ decays. Physical Review D, 2016, 93, .	2.9	27
300	First observation of the rare $B \rightarrow D^* K^* S^0$ decay. Physical Review D, 2016, 93, .	1.6	5
301	Measurement of the $B_s \rightarrow D^* D_s^* \rightarrow 0$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
302	Constraints on the unitarity triangle angle $\hat{\beta}^3$ from Dalitz plot analysis of $B \rightarrow D^* K^* S^0$ decays. Physical Review D, 2016, 93, .	1.6	13
303	Observation of $B_s \rightarrow D^* K^* S^0$ and Evidence for $B_s \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2016, 116, 161802.	2.9	6
304	Measurement of the Difference of Time-Integrated Asymmetries in $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2016, 116, 161802.	2.9	42
305	Search for Violations of Lorentz Invariance and $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2016, 116, 161802.	2.9	31
306	Symmetry in $B \rightarrow D^* K^* S^0$ decays. Physical Review Letters, 2016, 116, 161802.	2.9	31



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308	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^+ \pi^-$ in the $K_S^0$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
309	Study of $D^* \rightarrow D^* K^0$ mesons decaying to $D^* K^0$ and $D^* K^0$ + final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
310	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	1.6	59
311	Study of $\Upsilon(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
312	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
313	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
314	First observation of the decay $B^0 \rightarrow K^+ K^- K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
315	Observation of the $B^0 \rightarrow K^+ K^- \pi^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
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327	Study of $W \rightarrow b s$ boson production in association with beauty and charm. Physical Review D, 2015, 92, .	1.6	22
328	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_\tau) / B(B_c \rightarrow J/\psi \tau^+ \nu_\tau)$ . Physical Review D, 2015, 92, .	1.6	14
329	Search for the rare decays $B \rightarrow \tau^+ \nu_\tau$ and $B_s \rightarrow \tau^+ \nu_\tau$ . Physical Review D, 2015, 92, .	1.6	8
330	Model-independent confirmation of the $Z \rightarrow b \bar{b}$ decay. Physical Review Letters, 2015, 115, 051801.	2.9	15
331	Measurement of $C \rightarrow P$ violation in $B \rightarrow C^+ P^-$ decays. Physical Review Letters, 2015, 115, 031601.	2.9	30
332	Observation of the $B_s \rightarrow \tau^+ \nu_\tau$ decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
333	Observation of $J/\psi$ resonances consistent with pentaquark states in $B \rightarrow J/\psi p \bar{p}$ decays. Physical Review Letters, 2015, 115, 051801.	2.9	816
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345	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
346	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
347	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
348	Differential branching fraction and angular analysis of $B^0 \rightarrow \bar{D}^0 K^{\pm}$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
349	Measurement of the time-dependent CP asymmetries in $B_s^0 \rightarrow K^+ K^-$ . Journal of High Energy Physics, 2015, 2015, .	1.6	12
350	Search for the decay $B_s^0 \rightarrow \bar{D}^0 \gamma$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
351	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
352	Observation of the decay $B^0 \rightarrow \bar{D}^0 K^+ K^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	1.5	13
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356	Determination of the branching fractions of $B_s^0 \rightarrow D^{\pm} K^{\mp}$ and $B^0 \rightarrow D^{\pm} K^{\mp}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
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358	Observation of the $B^0 \rightarrow \bar{D}^0 K^+ K^-$ decay from an amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14
359	Measurement of the branching fraction of the decay $B^0 \rightarrow \bar{D}^0 K^+ K^-$ using the $B^0 \rightarrow \bar{D}^0 K^+ K^-$ decay. Journal of High Energy Physics, 2015, 2015, 1.	1.6	29
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364	Measurement of the Semileptonic Asymmetry in $B \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-5.	2.9	32
365	Violation in $B \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-5.	2.9	65
366	Measurement of the CP violation in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2015, 114, 132001.	2.9	61
367	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015, 75, 152.	1.4	44
368	Search for CP violation in $B \rightarrow D^0 \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-5.	1.5	20
369	Study of $\hat{\Gamma}^2$ mixing from measurement of $B \rightarrow D^0 \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-5.	1.6	13
370	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.	1.6	9
371	Search for the lepton flavour violating decay $\hat{\Gamma}^2, \hat{\Gamma}^2 \rightarrow \hat{\Gamma}^2 + \hat{\Gamma}^2$ . <i>Journal of High Energy Physics</i> , 2015, 2015, 1-5.	1.6	32
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373	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 K^+$ decays using semileptonic B decays. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-5.	1.6	17
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380	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, .	1.6	26
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384	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	2.9	15
385	Violation in $B \rightarrow p$ decays. Physical Review Letters, 2014, 113, 152003.	2.9	27
386	First Observation of a Baryonic $B_c$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
387	Measurement of resonant and non-resonant $B \rightarrow p$ components in $B \rightarrow p$ decays. Physical Review Letters, 2014, 112, 131802.	1.6	73
388	Search for Majorana Neutrinos in $B^0 \rightarrow \tau^+ \tau^-$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
389	Measurement of the $B^0 \rightarrow D^0$ Meson Lifetime in $D_s \rightarrow \tau^+ \tau^-$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
390	Violation in the Phase Space of $B \rightarrow K^* K^0$ decays. Physical Review Letters, 2014, 112, 131802.	2.9	78
391	Measurement of $B \rightarrow p$ components in $B \rightarrow p$ decays. Physical Review Letters, 2014, 112, 131802.	1.6	67
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393	Measurement of $B \rightarrow p$ components in $B \rightarrow p$ decays. Physical Review Letters, 2014, 112, 131802.	2.9	17
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404	Studies of beauty baryon decays to $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review D, 2014, 89, .	1.6	31
405	Observation of charmonium pairs produced exclusively in $pp$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
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409	Search for CP violation in $D^0 \rightarrow K^+ K^- \bar{K}^0$ and $D^0 \rightarrow K^+ K^- \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 1.	1.6	13
410	First observations of the rare decays $B \rightarrow K^* K^+ \bar{K}^0$ and $B \rightarrow K^* K^+ \bar{K}^0$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
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412	Measurement of the CKM angle $\beta_3$ using $B \rightarrow K^* \mu^+ \mu^-$ with $D^0 \rightarrow K^+ K^- \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
413	Measurement of CP asymmetry in $B \rightarrow K^* \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
414	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24

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416	Study of CP violation in $B \rightarrow D^* K^*$ and $B \rightarrow D^* K^*$ decays with $B \rightarrow D^* K^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 36-45.	1.5	13
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418	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.	1.6	74
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420	Effective lifetime measurements in the $B \rightarrow D^* K^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 446-454.	1.5	40
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425	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26
426	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow K^* \bar{K}^*(892)^0$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
427	Angular analysis of charged and neutral $B \rightarrow K^* K^* \bar{K}^*$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
428	Evidence for the decay $B \rightarrow D^* K^*$ and $B \rightarrow D^* K^*$ decays with $B \rightarrow D^* K^*$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
429	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* K^* \bar{K}^*$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
430	Measurement of CP asymmetry in $D^0 \rightarrow K^* K^* K^+$ and $D^0 \rightarrow K^* \bar{K}^* \bar{K}^+$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
431	Study of $\Upsilon$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
432			

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434	Observation of the $B_s \rightarrow \pi^+ \pi^- K^+ K^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
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436	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
437	Measurement of $\Upsilon$ production in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
438	Measurement of the $B_c^+ \rightarrow \mu^+ \nu_\mu$ meson lifetime using $B_c^+ \rightarrow \mu^+ \nu_\mu / \psi$ . European Physical Journal C, 2014, 74, 2839.	1.4	43
439	Measurement of $\psi(2S)$ polarisation in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
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445	Measurement of the charge asymmetry in $D \rightarrow \pi^+ \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	2.9	325
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447	Measurement of the charge asymmetry in $D \rightarrow \pi^+ \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	1.5	50
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449	Search for CP violation in $D \rightarrow \pi^+ \pi^-$ and $D_s^+ \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
450	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65

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452	Measurement of the $B^0 \rightarrow K^* e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
453	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
454	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
455	Measurement of CP observables in $B^0 \rightarrow DK^* \rightarrow 0$ with $D \rightarrow K^* K^0$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	6
456	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
457	Differential branching fraction and angular analysis of the $B \rightarrow K^* K^0$ decay. Journal of High Energy Physics, 2013, 2013, 1.	1.6	72
458	First evidence for the annihilation decay mode $B^0 \rightarrow D_s^+ \pi^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
459	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
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463	Search for $B^0 \rightarrow \rho^+ K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	22
464	Model-independent search for CP violation in $B^0 \rightarrow \rho^+ K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633.	1.5	13
465	Branching fraction and CP asymmetry of the decays $B^0 \rightarrow \rho^+ K^0$ . Journal of High Energy Physics, 2013, 2013, 1.	1.5	13
466	First measurement of time-dependent CP violation in $B^0 \rightarrow \rho^+ K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.5	12
467	Study of $B^0 \rightarrow K^* K^0$ decays with first observation of $B^0 \rightarrow K^* K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
468	Study of $B^0 \rightarrow K^* K^0$ decays with first observation of $B^0 \rightarrow K^* K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14

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470	First evidence for the two-body charmless baryonic decay $\overline{B^0} \rightarrow \overline{p} \psi(4130)$ . Journal of High Energy Physics, 2013, 2013, .	1.6	10
471	Study of D J meson decays to $D + \bar{\psi}(4130)$ , $D \psi(4130)$ and $D \bar{\psi}(4130)$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
472	First observation of the decay $B_c^+ \rightarrow \psi(4130) \psi(4130)$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
473	Searches for $B_c^+ \rightarrow \psi(4130) \psi(4130)$ and $B_c^+ \rightarrow \psi(4130) \psi(4130)$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
474	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^+ K^- \psi(4130)$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
475	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
476	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
477	Observation of $B^0 \rightarrow \psi(4130) \psi(4130)$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
478	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
479	Measurement of $\psi(4130)$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
480	Observation of the decay $B_c^+ \rightarrow \psi(4130) K^+ K^- \psi(4130)$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
481	First observation of the decay $B_s^0 \rightarrow \psi(4130) \psi(4130)$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
482	First Evidence for the Decay $B_c^+ \rightarrow \psi(4130) \psi(4130)$ . Physical Review Letters, 2013, 110, 021801.	2.9	292
483	First Observation of $B_c^+ \rightarrow \psi(4130) \psi(4130)$ . Physical Review Letters, 2013, 110, 221601.	2.9	105
484	Search for the rare decay $K_S^0 \rightarrow \mu^+ \mu^- \psi(4130)$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
485	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7$ TeV using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
486	Measurement of the ratio of branching fractions $\frac{\mathcal{B}(B_c^+ \rightarrow \psi(4130) \psi(4130))}{\mathcal{B}(B_c^+ \rightarrow \psi(4130) \psi(4130))}$ . Journal of High Energy Physics, 2013, 2013, 1.	0.9	48



#	ARTICLE	IF	CITATIONS
487	Measurement of the effective $\chi$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045001.	0.9	17
488	Prompt charm production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Nuclear Physics B</i> , 2013, 871, 1-20.	0.9	228
489	Observation of the suppressed ADS modes $\chi$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045002.	1.5	15
490	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 44-53.	1.5	15
491	Search for "direct" CP violation in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 1-10.	1.5	16
492	Search for "direct" CP violation in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 33-43.	1.5	15
493	Observation of the decay $B \rightarrow D^* \ell \bar{\nu}_\ell$ and measurement of the relative branching fractions of $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	1.5	54
494	Search for the rare decay $B \rightarrow D^* \ell \bar{\nu}_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 15-24.	1.5	15
495	Measurement of the differential branching fraction of the decay $B \rightarrow D^* \ell \bar{\nu}_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 15-24.	1.5	33
496	Measurement of the differential branching fraction of the decay $B \rightarrow D^* \ell \bar{\nu}_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	1.5	35
497	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.	0.9	35
498	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
499	Observation of $B \rightarrow D^* \ell \bar{\nu}_\ell$ and measurement of the relative branching fractions of $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	0.9	17
500	Observation of $B \rightarrow D^* \ell \bar{\nu}_\ell$ and measurement of the relative branching fractions of $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 25-35.	2.9	65
501	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 902-909.	0.9	24
502	Precision measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 902-909.	1.2	59
503	Precision measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 902-909.	1.2	59
504	Exclusive $B \rightarrow D^* \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \nu_\ell$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045001.	1.4	104

#	ARTICLE	IF	CITATIONS
505	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow e^+ \mu^- \nu_e \nu_\mu$ and $B \rightarrow e^+ \mu^- \nu_e \nu_\mu$ . Physical Review Letters, 2013, 111, 102003.	1.6	12
506	Precision Measurement of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	1.6	12
507	Measurement of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	1.6	74
508	Measurement of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	1.6	12
509	First observations of $B \rightarrow D^+ D^0$ , $D_s \rightarrow D^+ D^0$ and $D^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2013, 87, .	1.6	22
510	Measurement of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	2.9	82
511	Measurement of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	2.9	13
512	Measurement of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	2.9	19
513	Determination of the $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	1.6	12
514	Measurement of the branching fractions of the decays $B_s \rightarrow D^+ D^0 K^+ K^-$ and $B \rightarrow D^+ D^0 K^+ K^-$ . Physical Review D, 2013, 87, .	1.6	19
515	Analysis of the resonant components in $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ decays. Physical Review Letters, 2013, 111, 102003.	1.6	12
516	Observation of the Decay $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ . Physical Review Letters, 2013, 111, 181801.	2.9	72
517	Search for the decay $B_s \rightarrow D^+ D^0 K^+ K^-$ . Physical Review D, 2013, 87, .	1.6	7
518	Measurement of the polarization amplitudes in $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ decays. Physical Review Letters, 2013, 111, 102003.	1.6	12
519	Measurement of $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ Decays. Physical Review Letters, 2013, 111, 102003.	2.9	101
520	Observation of the decay $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ . Physical Review Letters, 2013, 111, 181801.	1.6	32
521	Measurement of Form-Factor-Independent Observables in the Decay $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \nu_e \nu_\mu$ . Physical Review D, 2013, 87, .	2.9	14
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524	Measurement of the $C \rightarrow P$ Asymmetry in $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2013, 110, 031801.	2.9	22
525	Studies of the decays $B \rightarrow \rho^+ \pi^0$ and observation of $B \rightarrow \rho^+ \pi^0(1520)$ . Physical Review D, 2013, 88, .	1.6	12
526	Observation of a Resonance in $B \rightarrow K^0 \pi^0$ at Low Recoil. Physical Review Letters, 2013, 111, 112003.	2.9	22
527	First Observation of the Decay $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2013, 110, 151803.	1.6	36
528	Measurement of the $B \rightarrow K^0 \pi^0$ Fraction and Search for $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2013, 110, 160503.	2.9	258
529	Measurement of the $B \rightarrow K^0 \pi^0$ Fraction and Search for $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2013, 110, 160503.	1.6	20
530	Measurement of the $B \rightarrow K^0 \pi^0$ Fraction and Search for $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2013, 110, 160503.	2.9	258
531	Measurement of the $B \rightarrow K^0 \pi^0$ Fraction and Search for $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2013, 110, 160503.	2.9	21
532	Studies of soft QCD at LHCb. EPJ Web of Conferences, 2013, 49, 16002.	0.1	0
533	First Observation of the Decay $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2012, 108, 251802.	2.9	62
534	Differential Branching Fraction and Angular Analysis of the Decay $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2012, 108, 181806.	2.9	50
535	Lifetime in the $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2012, 108, 181806.		

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541	Strong Constraints on the Rare Decays $B \rightarrow s \ell^+ \ell^-$ . Physical Review Letters, 2012, 108, 231801.	2.9	160
542	Search for Lepton Number Violating Decays $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_\tau$ and $B \rightarrow \tau^+ K^+ \bar{\nu}_\tau \nu_\tau$ . Physical Review Letters, 2012, 108, 101601.	2.9	39
543	Measurement of the $C \rightarrow P$ -Violating Phase in the Search for the $\bar{t} \rightarrow c \ell^+ \ell^-$ . Physical Review Letters, 2012, 108, 101601.	2.9	108
544	Search for the $X \rightarrow \ell^+ \ell^-$ decays. Physical Review Letters, 2012, 108, 101601.	1.6	65
545	First observation of the decays $B^0 \rightarrow D_s^+ K^+ \bar{\nu}_\tau \nu_\tau$ and $B^0 \rightarrow D_s^+ \ell^+ \ell^-$ . Physical Review D, 2012, 86, 11601.	1.6	10
546	Measurements of $B \rightarrow c \ell^+ \ell^-$ and Mass with the $B \rightarrow c \ell^+ \ell^-$ . Physical Review Letters, 2012, 108, 151801.	2.9	75
547	Measurements of $B \rightarrow c \ell^+ \ell^-$ and Evidence for $B \rightarrow c \ell^+ \ell^-$ . Physical Review Letters, 2012, 109, 131801.	2.9	27
548	Publisher's Note: Evidence for CP Violation in Time-Integrated $D^0 \rightarrow \pi^+ \pi^-$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. Physical Review Letters, 2012, 108, .	2.9	6
549	Observation of $B^0 \rightarrow \pi^+ \pi^- (1525) \pi^0$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
550	Measurement of the $B \rightarrow \pi^+ \pi^-$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
551	Measurements of the branching fractions of the decays $B \rightarrow D_s^0 \pi^+ \pi^-$ and $B \rightarrow D_s^0 \pi^+ \pi^0$ . Journal of High Energy Physics, 2012, 2012, .	1.6	19
552	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
553	Measurement of the isospin asymmetry in $B \rightarrow \pi^+ \pi^- K^0$ decays. Journal of High Energy Physics, 2012, 2012, 165		
554	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	1.6	56
555	Study of $D \rightarrow s \ell^+ \ell^-$ decays to $D \rightarrow K^+ K^0$ and $D \rightarrow K^+ K^0$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29
556	Measurement of the fraction of $\Lambda_b(1S)$ originating from $\Lambda_b(1P)$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
557	First observation of the decay $B \rightarrow \tau^+ \bar{\nu}_\tau \nu_\tau$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
558	Evidence for $C \rightarrow P$ Violation in Time-Integrated $D \rightarrow \ell^+ \ell^-$ Rates. Physical Review Letters, 2012, 108, 111602.	2.9	181



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559	Measurements of the branching fractions and CP asymmetries of $B^{\pm} \rightarrow \pi^{\pm} \rho^{\pm}$ and $B^{\pm} \rightarrow \pi^{\pm} (2S) \rho^{\pm}$ decays. <i>Physical Review D</i> , 2012, 85, .	1.6	20
560	First Evidence of Direct CP Violation in Charmless Two-Body Decays of $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review Letters</i> , 2012, 108, 261501.	2.9	49
561			



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578	Search for the rare decays $B \rightarrow \bar{c} s$ and $B \rightarrow \bar{c} m$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	34
580	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
581	First observation of the decay $B \rightarrow \bar{c} s$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.5	27
582	Observation of CP violation in $B \rightarrow \bar{c} s$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.5	47
583	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s}=7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30
584	Observation of X(3872) production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	153
585	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
586	Measurement of $\bar{c}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
587	Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	2
588	Search for $C \rightarrow P$ violation in $B \rightarrow \bar{c} s$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 203-212.	1.6	20
589	Measurement of $\bar{c}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.5	20
590	Measurement of $\bar{c}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.5	15
591	Measurement of $\bar{c}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.5	15
592	Measurement of $\bar{c}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.5	15
593	Measurement of $\bar{c}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	238
594	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.	1.6	18

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595	<p>First observation of <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math></p> <p>Search for the rare decays <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math> and <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math></p>	1.5	29
596	<p>Search for the rare decays <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math> and <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math></p>		
597	<p>High-Energy Physics, 2011, 698, 115-122.</p> <p>Measurements of the branching fractions for <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math> and <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math></p>	1.5	60
598	<p>Determination of <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math> and <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math></p>		
599	<p>Prompt <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math> and <math>B \rightarrow \bar{D}^* \tau^+ \nu_\tau</math></p>	2.9	28
600	<p>pp collisions at <math>\sqrt{s} = 7</math> TeV</p>	1.5	26
601	<p>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy</p>	1.5	115