

Neus Lopez-March

List of Publications by Year in descending order

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Version: 2024-02-01

479
papers

22,715
citations

9775

73
h-index

17580

121
g-index

479
all docs

479
docs citations

479
times ranked

8769
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron drift and longitudinal diffusion in high pressure xenon-helium gas mixtures. Journal of Instrumentation, 2019, 14, P08009-P08009.	0.5	13
2	Electroluminescence TPCs at the thermal diffusion limit. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
3	Energy calibration of the NEXT-White detector with 1% resolution near $Q\hat{1}^2$ of ^{136}Xe . Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
4	Radiogenic backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
5	Demonstration of the event identification capabilities of the NEXT-White detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
6	Demonstration of Single-Barium-Ion Sensitivity for Neutrinoless Double-Beta Decay Using Single-Molecule Fluorescence Imaging. Physical Review Letters, 2018, 120, 132504.	2.9	40
7	Neutrinoless double beta decay with ^{82}Se and direct ion imaging. Journal of Instrumentation, 2018, 13, P03015-P03015.	0.5	8
8	Microscopic simulation of xenon-based optical TPCs in the presence of molecular additives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 157-172.	0.7	18
9	Measurement of radon-induced backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
10	The NEXT White (NEW) detector. Journal of Instrumentation, 2018, 13, P12010-P12010.	0.5	31
11	Electron drift properties in high pressure gaseous xenon. Journal of Instrumentation, 2018, 13, P07013-P07013.	0.5	10
12	High voltage insulation and gas absorption of polymers in high pressure argon and xenon gases. Journal of Instrumentation, 2018, 13, P10002-P10002.	0.5	8
13	Calibration of the NEXT-White detector using $^{83\text{m}}\text{Kr}$ decays. Journal of Instrumentation, 2018, 13, P10014-P10014.	0.5	20
14	Initial results on energy resolution of the NEXT-White detector. Journal of Instrumentation, 2018, 13, P10020-P10020.	0.5	11
15	Helium-Xenon mixtures to improve the topological signature in high pressure gas xenon TPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 82-90.	0.7	17
16	Study of the loss of xenon scintillation in xenon-trimethylamine mixtures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 22-28.	0.7	4
17	Radiopurity assessment of the energy readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2017, 12, T08003-T08003.	0.5	15
18	Secondary scintillation yield of xenon with sub-percent levels of CO_2 additive for rare-event detection. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 663-671.	1.5	13

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19	Background rejection in NEXT using deep neural networks. Journal of Instrumentation, 2017, 12, T01004-T01004.	0.5	43
20	Application and performance of an ML-EM algorithm in NEXT. Journal of Instrumentation, 2017, 12, P08009-P08009.	0.5	8
21	Sensitivity of NEXT-100 to neutrinoless double beta decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	85
22	First proof of topological signature in the high pressure xenon gas TPC with electroluminescence amplification for the NEXT experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	40
23	Model-independent confirmation of the charmless two-body decays of beauty mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.5	13
24	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	0.5	127
25	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, 740, 158-167.	1.5	13
26	Measurement of the Semileptonic Asymmetry in $B \rightarrow C P$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	2.9	61
27	Measurement of the $B \rightarrow c s$ in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 132001.	2.9	61
28	LHCb detector performance. International Journal of Modern Physics A, 2015, 30, 1530022.	0.5	604
29	Search for CP violation in $B \rightarrow D^{*0} \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.5	13
30	Search for the lepton flavour violating decay $\tilde{L}_i \rightarrow \hat{a}^+ \hat{a}^0 \hat{L}_j + \hat{L}_i \hat{a}^0$. Journal of High Energy Physics, 2015, 2015, 4.	1.5	13
31	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
32	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		

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37	Measurement of C violation parameters in $B \rightarrow D$ decays. Physical Review D, 2014, 90, .	1.6	14
38	Updated measurements of exclusive $B \rightarrow \bar{D}^* K$ and $B \rightarrow \bar{D}^* K^*(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	1.6	65
39	Measurements of CP asymmetries in the decays $B \rightarrow K^* K^0$ and $B \rightarrow K^* K^0$. Journal of High Energy Physics, 2014, 2014, .	1.4	292
40	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	111
41	Measurement of CP violation and constraints on the CKM angle $\hat{\Gamma}^3$ in $B \rightarrow D^* K^0$ decays. Nuclear Physics B, 2014, 888, 169-193.	1.6	26
42	Observation of $B_{s1} \rightarrow K^* K^0$ and evidence for $B_{s1} \rightarrow K^* K^0$ decays. New Journal of Physics, 2014, 16, 123001.	1.2	13
43	Measurement of CP violation and constraints on the CKM angle $\hat{\Gamma}^3$ in $B \rightarrow D^* K^0$ decays. Nuclear Physics B, 2014, 888, 169-193.	0.9	27
44	Measurement of the $B \rightarrow D^* K^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 218-228.	1.5	23
45	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	2.9	15
46	Evidence for C violation in $B \rightarrow D$ decays. Physical Review Letters, 2014, 113, 152003.	2.9	27
47	First Observation of a Baryonic B_c Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
48	Measurement of resonant and non-resonant components in $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2014, 112, 131802.	1.6	73
49	Search for Majorana Neutrinos in $B \rightarrow D^* K^0$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
50	Measurement of the $B \rightarrow D^* K^0$ Meson Lifetime in $D_s \rightarrow K^* K^0$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
51	Measurement of C violation in the Phase Space of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2014, 112, 131802.	2.9	78
52	Measurement of the resonant and non-resonant components in $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2014, 112, 131802.	1.6	67
53	Measurement of C violation in $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2014, 112, 131802.	2.9	80
54	Measurement of the $B \rightarrow D^* K^0$ components in $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2014, 112, 111802.	2.9	17

#	ARTICLE	IF	CITATIONS
55	<p>Measurement of the ratio of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ decays and measurement of the $\sin^2 2\beta$ angle. Physical Review Letters, 2014, 112, 041801.</p> <p>Measurement of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ decays and measurement of the $\sin^2 2\beta$ angle. Physical Review Letters, 2014, 112, 041801.</p>	1.6	99
56	<p>Measurement of the ratio of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ decays and measurement of the $\sin^2 2\beta$ angle. Physical Review Letters, 2014, 112, 041801.</p> <p>Measurement of the ratio of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ decays and measurement of the $\sin^2 2\beta$ angle. Physical Review Letters, 2014, 112, 041801.</p>	2.9	20
57	<p>Precision Measurement of the Mass and Lifetime of the Λ_b^0 Baryon. Physical Review Letters, 2014, 113, 032001.</p>	2.9	36
58	<p>Test of Lepton Universality Using $\frac{B \rightarrow K^+ \ell^- \bar{\nu}_\ell}{B \rightarrow K^+ \ell^- \bar{\nu}_\ell}$ Decays. Physical Review Letters, 2014, 113, 151601.</p> <p>Test of Lepton Universality Using $\frac{B \rightarrow K^+ \ell^- \bar{\nu}_\ell}{B \rightarrow K^+ \ell^- \bar{\nu}_\ell}$ Decays. Physical Review Letters, 2014, 113, 151601.</p>	2.9	845
59	<p>Precision Measurement of the Mass and Lifetime of the Λ_b^0 Baryon. Physical Review Letters, 2014, 113, 032001.</p>	2.9	39
60	<p>Measurement of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ decays and measurement of the $\sin^2 2\beta$ angle. Physical Review Letters, 2014, 112, 041801.</p> <p>Measurement of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ decays and measurement of the $\sin^2 2\beta$ angle. Physical Review Letters, 2014, 112, 041801.</p>	1.6	18
61	<p>Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .</p>	2.9	26
62	<p>Observation of $B^0 \rightarrow D^+ D^-$ Decays and Measurement of the $\theta_1(1285)$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.</p>	2.9	24
63	<p>Measurement of the Ratio of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ Decays and Measurement of the $\sin^2 2\beta$ Angle. Physical Review Letters, 2014, 112, 041801.</p> <p>Measurement of the Ratio of $\frac{B \rightarrow D^+ K^-}{B \rightarrow D^+ K^0}$ Decays and Measurement of the $\sin^2 2\beta$ Angle. Physical Review Letters, 2014, 112, 041801.</p>	1.6	31
64	<p>Studies of beauty baryon decays to $\Lambda^0 K^+ \ell^- \bar{\nu}_\ell$ and $\Lambda^0 K^0 \ell^- \bar{\nu}_\ell$. Physical Review Letters, 2014, 112, 041801.</p> <p>Studies of beauty baryon decays to $\Lambda^0 K^+ \ell^- \bar{\nu}_\ell$ and $\Lambda^0 K^0 \ell^- \bar{\nu}_\ell$. Physical Review Letters, 2014, 112, 041801.</p>	1.6	31
65	<p>Observation of charmonium pairs produced exclusively in pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.</p>	1.4	14
66	<p>Study of χ_{c1} \rightarrow b meson production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2014, 74, .</p>	1.4	43
67	<p>Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.</p>	1.6	21
68	<p>Search for CP violation in $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ and $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.</p>	1.6	18
69	<p>First observations of the rare decays $B \rightarrow K^+ K^- \ell^+ \ell^-$ and $B \rightarrow K^+ K^- \ell^+ \ell^-$. Journal of High Energy Physics, 2014, 2014, 1.</p>	1.6	9
70	<p>Measurement of the χ_{c1} (3P) mass and of the relative rate of χ_{c1} b1(1P) and χ_{c1} b2(1P) production. Journal of High Energy Physics, 2014, 2014, 1.</p>	1.6	20
71	<p>Measurement of the CKM angle β using $B \rightarrow D^+ D^- K^0$ with $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$, $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.</p>	1.6	22
72	<p>Measurement of CP asymmetry in $B \rightarrow D^+ D^- K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.</p>	1.6	14

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91	Observation of the $\hat{b} \rightarrow \hat{c} \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
92	Observation of the $B_s \rightarrow K^+ K^- \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
93	Study of the kinematic dependences of $\hat{b} \rightarrow \hat{c} \ell^+ \ell^-$ production in pp collisions and a measurement of the $\hat{b} \rightarrow \hat{c} \ell^+ \ell^-$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
94	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
95	Measurement of Υ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
96	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
97	Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
98	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
99	Search for the decay $D \rightarrow \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	1.5	19
100	Search for CP violation in the decay $D \rightarrow \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	1.5	19
101	Observation of the Resonant Character of the $D \rightarrow \mu^+ \mu^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	1.5	12
102	Precision measurement of the ratio of the $D \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2014, 113, 251801.	2.9	325
103	Observation of Photon Polarization in the $D \rightarrow \mu^+ \mu^-$ decay. Physical Review Letters, 2014, 113, 251801.	2.9	46
104	Precision measurement of the ratio of the $D \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2014, 113, 251801.	1.5	30
105	Precision luminosity measurements at LHCb. Journal of Instrumentation, 2014, 9, P12005-P12005.	0.5	110
106	Differential branching fraction and angular analysis of the decay $B_s \rightarrow K^+ K^- \ell^+ \ell^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
107	Search for CP violation in $D \rightarrow \mu^+ \mu^-$ and $D_s \rightarrow K_S^0 \mu^+ \mu^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
108	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65

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109	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
110	Measurement of the $B^0 \rightarrow K^0 e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
111	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
112	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
113	Measurement of CP observables in $B^0 \rightarrow DK^0$ with $D \rightarrow K^+ K^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	6
114	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
115	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
116	First evidence for the annihilation decay mode $B^+ \rightarrow D_s^+ \pi^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
117	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
118	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
119	Measurements of the branching fractions of $B^+ \rightarrow \rho^+ K^0$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
120	Search for CP violation in $B^+ \rightarrow \rho^+ K^0$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
121	Model-independent search for CP violation in $B^+ \rightarrow \rho^+ K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 203-212.	1.5	22
122	Measurement of the time-dependent CP asymmetry in $B^+ \rightarrow \rho^+ K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633.	1.5	13
123	Search for CP violation in $B^+ \rightarrow \rho^+ K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 203-212.	1.5	12
124	First measurement of time-dependent CP violation in $B^+ \rightarrow \rho^+ K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
125	Study of $B^+ \rightarrow K^0 K^+ K^0$ decays with first observation of $B^+ \rightarrow K^0 K^+ \pi^0$ and $B^+ \rightarrow K^0 K^+ \pi^+$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
126	Measurement of the relative rate of prompt $c \rightarrow c$, $c \rightarrow s$ and $c \rightarrow b$ production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36

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127	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow \overline{p} \psi^{\prime}$. Journal of High Energy Physics, 2013, 2013, .	1.6	10
128	Study of D J meson decays to $D + \overline{\psi}^{\prime}$, $D \psi^{\prime}$ and $D \hat{\psi}^{\prime} \rightarrow \overline{\psi}^{\prime}$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
129	First observation of the decay $B_c^{+} \rightarrow \psi^{\prime} K^+$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
130	Searches for $B_{(s)}^0 \rightarrow \psi^{\prime} p$ and $B + \hat{\psi}^{\prime} p$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
131	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^+ K^{\prime -}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
132	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
133	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
134	Observation of $B^0_{(s)}$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
135	Search for the doubly charmed baryon Ξ_{cc}^{+} . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
136	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
137	Observation of the decay $B_c^{+} \rightarrow \psi^{\prime} K + K^{\prime}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
138	First observation of the decay $B_s^0 \rightarrow \psi^{\prime} K^*$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
139	First Evidence for the Decay $B_c^{+} \rightarrow \psi^{\prime} K^+$. Physical Review Letters, 2013, 110, 021801.	2.9	292
140	First Observation of $B_c^{+} \rightarrow \psi^{\prime} K^+$. Physical Review Letters, 2013, 110, 021801.	2.9	105
141	Search for the rare decay $K_{(S)}^0 \rightarrow \mu^+ \mu^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
142	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
143	Measurement of the ratio of branching fractions $R_{B_c} = \frac{\mathcal{B}(B_c^{+} \rightarrow \psi^{\prime} K^+)}{\mathcal{B}(B_c^{+} \rightarrow \psi^{\prime} K^*)}$. Nuclear Physics B, 2013, 873, 275-292.	0.9	48
144	Measurement of the effective χ^2 for the decay $B_c^{+} \rightarrow \psi^{\prime} K^+$. Nuclear Physics B, 2013, 873, 275-292.	0.9	17

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145	Prompt charm production in pp collisions at $\sqrt{s} = 7$ TeV. Nuclear Physics B, 2013, 871, 1-20.	0.9	228
146	Observation of the suppressed ADS modes $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 44-53.	1.5	15
147	Measurements of the tensor polarisation and High-Energy Physics, 2013, 726, 27-35.	1.5	16
148	Searches for direct CP violation in charm hadron decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	16
149	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 1-10.	0.7	148
150	Observation of the decay $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 27-35.	1.5	54
151	Measurements of the differential branching fraction of the decay $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	15
152	Searches for the rare decay $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
153	Measurement of the differential branching fraction of the decay $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
154	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	0.9	35
155	Observation of $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	1.5	33
157	Observation of $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	0.9	17
158	Observation of $B \rightarrow \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	2.9	65
159	Measurement of the $B \rightarrow \pi^0 \pi^0$ oscillation frequency with the decay $B \rightarrow \pi^0 \pi^0$. New Journal of Physics, 2013, 15, 053021.	0.9	24
160	Measurement of the $B \rightarrow \pi^0 \pi^0$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 902-909.	1.2	59
161	Precision measurement of the $B \rightarrow \pi^0 \pi^0$ oscillation frequency with the decay $B \rightarrow \pi^0 \pi^0$. New Journal of Physics, 2013, 15, 053021.	1.2	59
162	Exclusive $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^0$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104

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163	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
164	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	15
165	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
166	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	13
167	First observations of $B \rightarrow D^+ D^0$, $D_s \rightarrow D^+ D^0$ and $D \rightarrow D^+ D^0$ decays. Physical Review D, 2013, 87, .	1.6	22
168	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
169	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
170	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
171	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	17
172	Measurement of the branching fractions of the decays $B \rightarrow D^+ D^0$ and $B \rightarrow D^+ D^0 \nu_e \nu_\mu$. Physical Review D, 2013, 87, .	1.6	19
173	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	17
174	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
175	Search for the decay $B \rightarrow D^+ D^0 \nu_e \nu_\mu$. Physical Review D, 2013, 87, .	1.6	7
176	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	16
177	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
178	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
179	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	15
180	Study of $B \rightarrow D^+ D^0 \nu_e \nu_\mu$ and $B \rightarrow D^+ D^0 \nu_e \nu_\mu$ decays. Physical Review D, 2013, 87, .	1.6	11

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200	Measurement of the $B \rightarrow \tau \nu \ell$ Violating Phase in the Decay $B \rightarrow \tau \nu \ell$.	2.9	108
201	First observation of the decays $B \rightarrow \tau \nu \ell$ and $B \rightarrow K \tau \nu \ell$. Physical Review D, 2012, 86, 16101.	1.6	10
202	Measurements of the $B \rightarrow \tau \nu \ell$ and $B \rightarrow K \tau \nu \ell$ decays. Physical Review D, 2012, 86, 16101.	2.9	75
203	Observation of the $B \rightarrow \tau \nu \ell$ and $B \rightarrow K \tau \nu \ell$ decays. Physical Review Letters, 2012, 109, 131801.	2.9	27
204	Observation of $B \rightarrow \tau \nu \ell$ and $B \rightarrow K \tau \nu \ell$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
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209	Measurements of the branching fractions of the decays $B \rightarrow \tau \nu \ell$ and $B \rightarrow K \tau \nu \ell$. Journal of High Energy Physics, 2012, 2012, .	1.6	19
210	Measurement of the isospin asymmetry in $B \rightarrow \tau \nu \ell$ decays. Journal of High Energy Physics, 2012, 2012, 165		
211	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. Journal of High Energy Physics, 2012, 2012, .	1.6	56
212	Study of $D \rightarrow \tau \nu \ell$ decays to $D \rightarrow \tau \nu \ell$ and $D \rightarrow K \tau \nu \ell$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29
213	Measurement of the fraction of $B \rightarrow \tau \nu \ell$ originating from $B \rightarrow \tau \nu \ell$ decays in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
214	First observation of the decay $B \rightarrow \tau \nu \ell$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
215	Observation and study of the baryonic B-meson decays $B \rightarrow \tau \nu \ell$. Physical Review D, 2012, 85, .	1.6	21
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238	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
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245	Evidence of direct CP violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2011, 83, .	1.6	28
246	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2011, 83, .	1.6	8
247	Search for $B \rightarrow K^* \mu^+ \mu^-$ transitions in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2011, 84, .	1.6	12
248	Search for CP violation in the decay $D \rightarrow K^* \mu^+ \mu^-$. Physical Review D, 2011, 83, .	1.6	23
249	Searches for rare or forbidden semileptonic charm decays. Physical Review D, 2011, 84, .	1.6	42
250	Search for CP violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2011, 83, .	1.6	20
251	Searches for the baryon- and lepton-number violating decays $B \rightarrow K^* \mu^+ \mu^-$. Physical Review D, 2011, 83, .	1.6	33
252	Searches for the baryon- and lepton-number violating decays $B \rightarrow K^* \mu^+ \mu^-$. Physical Review D, 2011, 83, .	1.6	19

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259	First observation of the decay $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2011, 83, .	1.5	20
260	Measurement of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.5	15
261	Measurement of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
263	First observation of $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2011, 83, .	1.5	29
264	Search for the rare decays $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2011, 83, .	1.5	60
265	Search for Production of Invisible Final States in Single-Photon Decays of $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2011, 83, .	2.9	49
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268	Search for the decay $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2011, 83, .	1.6	5

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277	Search for $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2010, 82, .	1.5	115
278	Test of Lepton Universality in $B \rightarrow D^* \pi^0$ Decays. Physical Review Letters, 2010, 105, 121801.	2.9	457
279	Search for $B \rightarrow D^* \pi^0$ transitions in $B \rightarrow D^* \pi^0$ and $D^* \rightarrow K^* \pi^0$ decays. Physical Review D, 2010, 82, .	1.6	25
280	Evidence for Direct CP Violation in the Measurement of the Cabbibo-Kobayashi-Maskawa Angle β with $B \rightarrow D^* \pi^0$ Decays. Physical Review Letters, 2010, 105, 121801.	2.9	56
281	Search for Charged Lepton Flavor Violation in Narrow $B \rightarrow D^* \pi^0$ Decays. Physical Review Letters, 2010, 104, 151802.	2.9	26
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283	Search for $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2010, 82, .	2.9	6
284	observables in $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2010, 82, .	1.6	32
285	Exclusive production of $B \rightarrow D^* \pi^0$. Physical Review D, 2010, 82, .	1.6	28
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292	Search for the rare decay B → K [*] K̄ ^{1/2} . Physical Review D, 2010, 82, .	1.6	26
293	Correlated leading baryon-antibaryon production in e ⁺ e ⁻ → c ⁺ c̄ ⁻ X. Physical Review D, 2010, 82, .	1.6	2
294	Search for B ⁺ meson decay to a ₁ +(1260)K ⁰ (892). Physical Review D, 2010, 82, .	1.6	6
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302	Observations of new resonances decaying to D [±] and D [±] I [±] in inclusive B → D [±] I [±] . Physical Review D, 2010, 82, .	1.6	122
303	Observation of the decay B → c ⁺ p ⁺ I ⁰ . Physical Review D, 2010, 82, .	1.6	7
304	Study of B → X [±] I [±] decays and determination of the CKM angle α_1 from B → X [±] I [±] . Physical Review D, 2010, 81, .	1.6	32
305	Observation of the decay B → P [±] D [±] . Physical Review D, 2010, 82, .	1.6	72
306	Search for CP violation using T-odd correlations in D ⁰ → K [±] K [±] I [±] decays. Physical Review D, 2010, 81, .	1.6	23

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309	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\gamma \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2009, 103, 081803.	2.9	153
310	Measurement of Semileptonic Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	29
311	Measurement of the $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$ and $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review D, 2009, 80, 034011.	1.6	52
312	Measurement of the $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$ form factor. Physical Review D, 2009, 80, 034011.	1.6	27
313	Measurements of time-dependent $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$ asymmetries in $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review Letters, 2009, 103, 181801.	1.6	27
314	Measurements of time-dependent $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$ asymmetries in $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review Letters, 2009, 103, 181801.	1.6	18
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317	Improved Limits on Lepton-Flavor-Violating $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$ Decays to $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$, $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$, $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$, $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$, and $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review Letters, 2009, 103, 021801.	2.9	11
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320	Search for Invisible Decays of the $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review Letters, 2009, 103, 212801.	2.9	48
321	Measurement of the $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review Letters, 2009, 103, 161801.	2.9	173
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323	Measurement of the $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$ Asymmetries in the Decays $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$, Lepton Flavor, and Isospin Asymmetries in the Decays $\langle B \rangle_{\hat{\Gamma}^2}^{\hat{\Gamma}}$. Physical Review Letters, 2009, 103, 021801.	2.9	70
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327	Observation and polarization measurement of $B \rightarrow \pi^+ \pi^0 \pi^0$ decay. Physical Review D, 2009, 80, .	1.6	6
329	Dalitz plot analysis of $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	49
330	Observation of meson decays to $\pi^+ \pi^0 \pi^0$ and improved measurements for $B \rightarrow \pi^+ \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	11
331	Branching fractions and CP-violating asymmetries in radiative decays to $\pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	7
332	Constraints on the CKM angle β in $B \rightarrow \pi^+ \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^0 \pi^0$ from a Dalitz analysis of $B \rightarrow \pi^+ \pi^0 \pi^0$ decays to $\pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	13
333	Observation of the baryonic B -decay $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 80, .	1.6	5
334	Search for B meson decays to $\pi^+ \pi^0 \pi^0$, $\pi^+ \pi^0 \pi^0$, and $\pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 80, .	1.6	5
335	Measurement of the $B \rightarrow \pi^+ \pi^0 \pi^0$ and $B \rightarrow \pi^+ \pi^0 \pi^0$ branching fractions. Physical Review D, 2009, 79, .	1.6	12
336	Search for the decay $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	13
337	Measurement of the semileptonic decays $B \rightarrow \pi^+ \pi^0 \pi^0$, $B \rightarrow \pi^+ \pi^0 \pi^0$, and $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	18
338	Time-dependent amplitude analysis of $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 80, .	1.6	12
339	Angular distributions in the decay $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	12
340	Search for Lepton Flavor Violating Decays $B \rightarrow \pi^+ \pi^0 \pi^0$ with the BABARE Experiment. Physical Review D, 2009, 79, .	1.6	11
341	Evidence for $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	7
342	Search for $B \rightarrow \pi^+ \pi^0 \pi^0$ transitions in $B \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2009, 80, .	1.6	17

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344	<p>Search for B-meson decays to $b\bar{c}l\bar{c}l$. Physical Review D, 2009, 80, .</p>	1.6	7
345	<p>Dalitz plot analysis of $D_s \rightarrow \pi^+ \rho^0 \pi^+$. Physical Review D, 2009, 79, .</p>	1.6	38
347	<p>Search for the rare leptonic decays $B \rightarrow \mu^+ \mu^-$. Physical Review D, 2009, 79, .</p>	1.6	16
349	<p>Measurement of the branching fraction and $\hat{\rho}$-polarization in $B_0 \rightarrow \pi^+ \pi^- \rho^0$. Physical Review D, 2009, 79, .</p>	1.6	15
350	<p>Measurement of time-dependent C-P asymmetry in $B \rightarrow K^0 \pi^0$. Physical Review D, 2009, 79, .</p>	1.6	16

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363	Search for $B \rightarrow \pi^+ \pi^-$ decays with hadronic tags. Physical Review D, 2008, 77, .	1.6	64
364	Measurement of time-dependent $C \rightarrow P$ asymmetry in $C \rightarrow P$. Physical Review D, 2008, 78, .	1.6	27
365	Measurement of the CP-violating asymmetries in $B \rightarrow K^0$ and of the branching fraction $B \rightarrow K^0$. Physical Review D, 2008, 77, .	1.6	10
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367	Search for $B \rightarrow X$ decays. Physical Review D, 2008, 77, .	1.6	25
368	Improved measurement of the CKM angle β in $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2008, 77, .	1.6	77
369	Study of $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2008, 77, .	1.6	47
370	Study of the decay $D \rightarrow D^+ s^-$. Physical Review D, 2008, 78, .	1.6	30
371	Improved measurement of $C \rightarrow P$ observables in $C \rightarrow P$. Physical Review D, 2008, 77, .	1.6	10
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373	Measurement of the $B \rightarrow X$ fraction and photon energy spectrum using the recoil method. Physical Review D, 2008, 77, .	1.6	68
374	Study of resonances in exclusive $B \rightarrow X$ decays to $D \rightarrow \hat{\pi}^+ \pi^-$. Physical Review D, 2008, 77, .	1.6	116
375	Searches for the decays $B \rightarrow \hat{\pi}^+ \pi^-$. Physical Review D, 2008, 77, .	1.6	45
376	Searches for the decays $B \rightarrow X$. Physical Review D, 2008, 77, .	1.6	27
377	Measurements of branching fractions for $B \rightarrow \pi^+ \pi^0$, $B \rightarrow \pi^0 \pi^0$, and $B \rightarrow \pi^+ \pi^-$. Physical Review D, 2008, 78, .	1.6	10
378	Search for $B \rightarrow K^+ K^+ \pi^-$. Physical Review D, 2008, 78, .	1.6	5

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398	Measurement of the spin of the $B \rightarrow \bar{K}^* D$ decays. Physical Review D, 2008, 78, .	1.6	23
399	Measurement of ratios of branching fractions and CP-violating asymmetries of $B \rightarrow K^* D$ decays. Physical Review D, 2008, 78, .	1.6	11
400	Evidence for CP violation in $B \rightarrow \bar{K}^* D$ decays. Physical Review Letters, 2008, 101, 021801.	2.9	22
401	Measurement of the branching fractions of exclusive $B \rightarrow C P$ decays. Physical Review D, 2008, 78, .	1.6	58
402	Evidence for direct CP violation from Dalitz-plot analysis of $B \rightarrow C P$ decays. Physical Review D, 2008, 78, .	1.6	69
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419	Measurements of C -Violating Asymmetries in the Decay $B \rightarrow D^* K^0$. Evidence for Charged Meson Decays to $B \rightarrow D^* K^0$. Physical Review Letters, 2007, 99, 221801. 2.9	2.9	39
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