

Marcello Rotondo

List of Publications by Year in descending order

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Version: 2024-02-01

1,055
papers

45,881
citations

2427

97
h-index

4991

167
g-index

1081
all docs

1081
docs citations

1081
times ranked

10296
citing authors

#	ARTICLE	IF	CITATIONS
1	The BABAR detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 479, 1-116.	1.6	1,216
2	Test of Lepton Universality Using $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2014, 113, 151601. http://www.w3.org/1998/Math/MathML	7.8	845
3	Resonances Consistent with Pentaquark States in J/ψ Decays. Evidence for an Excess of J/ψ Decays. Physical Review Letters, 2003, 91, 242001. http://www.w3.org/1998/Math/MathML	7.8	816
4	Observation of a Broad Structure in the $B \rightarrow \pi^+ \pi^-$ Mass Spectrum around $4.26 \text{ GeV}/c^2$. Physical Review Letters, 2005, 95, 142001.	7.8	781
5	Measurement of the Ratio of Branching Fractions $R_{B^0} = \frac{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^-)}{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^0)}$. Physical Review Letters, 2004, 93, 231801.	7.8	731
6	Measurement of the Ratio of Branching Fractions $R_{B^0} = \frac{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^-)}{\mathcal{B}(B^0 \rightarrow \pi^+ \pi^0)}$. Physical Review Letters, 2004, 93, 231801.		

#	ARTICLE	IF	CITATIONS
19	Search for Lepton-Universality Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays Observation of the Resonant Character of the $B \rightarrow K^* \ell^+ \ell^-$ Decays	7.8	355
20	Angular analysis of the $B \rightarrow K^* \ell^+ \ell^-$ decay using 3 fb ⁻¹ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	7.8	325
21	Measurement of the Ratio of the $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$ Decays Physical Review Letters, 2018, 120, 171802.	4.7	304
22	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	3.9	292
23	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ Form Factor Physical Review D, 2009, 80, .	7.8	277
24	Search for Invisible Decays of a Dark Photon Produced in $B \rightarrow K^* \ell^+ \ell^-$ Collisions at $\sqrt{s} = 10.58$ GeV Physical Review Letters, 2017, 119, 131804.	7.8	272
25	Averages of b-hadron, c-hadron, and τ -lepton properties as of 2018. European Physical Journal C, 2021, 81, 1.	3.9	248
26	Measurement of the CP Asymmetry Amplitudes in $B \rightarrow K^* \ell^+ \ell^-$ with BOMesons. Physical Review Letters, 2002, 89, 201802.	7.8	247
27	Evidence of a Broad Structure at an Invariant Mass of 4.32 ± 0.04 GeV/c ² in the Reaction $e^+e^- \rightarrow \tau^+\tau^- \ell^+\ell^-$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	7.8	247
28	Observation of Five New Narrow $B \rightarrow K^* \ell^+ \ell^-$ States Decaying to $B \rightarrow K^* \ell^+ \ell^-$ Measurement of the Ratio of Branching Fractions $R_{B \rightarrow K^* \ell^+ \ell^-}$	7.8	234
29			
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#	ARTICLE	IF	CITATIONS
37	Angular analysis and differential branching fraction of the decay $B_s^0 \rightarrow \bar{D}^* \ell^+ \ell^-$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	191
38	Test of lepton flavor universality by the measurement of the R_{B^0} ratio. Physical Review D, 2018, 97, .	4.7	189
39	Measurement of the R_{B^0} ratio. Physical Review D, 2018, 97, .	7.8	173
40	Flavor physics in the quark sector. Physics Reports, 2010, 494, 197-414.	25.6	164
41	Measurements of R_{B^0} and R_{B^0} ratios. Physical Review D, 2008, 77, .	4.7	163
42	Observation of $C \rightarrow P$ violation in Charm Decays. Physical Review Letters, 2019, 122, 211803.	7.8	157
43	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\gamma \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2009, 103, 081803.	7.8	153
44	Observation of $J/\psi \rightarrow \ell^+ \ell^-$ structures consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi \ell^+ \ell^-$. Physical Review D, 2010, 82, .	7.8	150
45	Evidence for the decay $B \rightarrow X \ell^+ \ell^-$. Physical Review D, 2010, 82, .	7.8	148
46	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	1.6	148
47	Search for $B \rightarrow A \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 124, 041801.	1.6	148
48	Measurement of double charmonium production in e^+e^- annihilations at $\sqrt{s} = 10.6 \text{ GeV}$. Physical Review D, 2005, 72, .	4.7	147
49	Precise measurement of the R_{B^0} ratio. Physical Review D, 2018, 97, .	4.7	147

#	ARTICLE	IF	CITATIONS
55	Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K^* \ell^+ \ell^-$, $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2006, 73, .	4.7	137
56	Search for doubly charmed baryons Λ_{cc}^{++} and Σ_{cc}^{++} in BABAR. Physical Review D, 2006, 74, .	4.7	135
57	Study of time-dependent CP-violating asymmetries and flavor oscillations in neutral B decays at the $\Upsilon(4S)$. Physical Review D, 2002, 66, .	4.7	134
58	Observation of Λ_{cc}^{++} and Σ_{cc}^{++} baryons. Physical Review D, 2006, 73, .	7.8	133
59	Measurement of Λ_{cc}^{++} and Σ_{cc}^{++} cross sections at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. Physical Review D, 2006, 73, .	4.7	128
60	Averaged Observables in the $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2020, 125, 011802.	7.8	128
61	Measurement of the track reconstruction efficiency at LHCb. Journal of Instrumentation, 2015, 10, P02007-P02007.	1.2	127
62	Measurement of CP-Violating Asymmetries in $B \rightarrow K^* \ell^+ \ell^-$ Decays to CP Eigenstates. Physical Review Letters, 2001, 86, 2515-2522.	7.8	125
63	Search for Lepton Flavor Violation in the Decay $\Lambda_{cc}^{++} \rightarrow \Lambda^+ \ell^+ \ell^-$. Physical Review Letters, 2005, 95, 041802.	7.8	124
64	Measurements of Branching Fractions and CP-Violating Asymmetries in $B \rightarrow K^* \ell^+ \ell^-$, $B \rightarrow K^* \ell^+ \ell^-$, $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2002, 89, 281802.	7.8	122
65	Rates, Polarizations, and Asymmetries in Charmless Vector-Vector Meson Decays. Physical Review Letters, 2003, 91, 171802.	7.8	122
66	Structure at 2175 MeV in $e^+e^- \rightarrow \Lambda_{cc}^{++} \ell^+ \ell^-$ observed via initial-state radiation. Physical Review D, 2006, 74, .	4.7	122
67	Search for the Λ_{cc}^{++} baryon. Physical Review D, 2006, 74, 011101.	4.7	122
68	Observation of new resonances decaying to $\Lambda_{cc}^{++} \ell^+ \ell^-$. Physical Review D, 2006, 73, 011101.	4.7	122
69	Study of Λ_{cc}^{++} and Σ_{cc}^{++} baryons. Physical Review D, 2006, 73, 011101.	4.7	122
70	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda^+ \ell^+ \ell^-$. Physical Review Letters, 2006, 96, 011802.	7.8	122
71	Structure and observation of excited Λ_{cc}^{++} baryons. Physical Review D, 2006, 73, 011101.	9.0	121
72	$e^+e^- \rightarrow \Lambda_{cc}^{++} \ell^+ \ell^-$, $e^+e^- \rightarrow \Sigma_{cc}^{++} \ell^+ \ell^-$, and $e^+e^- \rightarrow \Lambda_{cc}^{++} \ell^+ \ell^-$ cross sections at center-of-mass energies 0.5 to 4.5 GeV measured with initial-state radiation. Physical Review D, 2005, 71, .	4.7	119

#	ARTICLE	IF	CITATIONS
109	Study of the $X(3872)$ and $Y(4260)$ in $B_0 \rightarrow J/\psi \bar{K}^0$ and $B^+ \rightarrow J/\psi K^+$ decays. Physical Review D, 2006, 73, 047001.	4.7	84
110	Study of the exclusive initial-state-radiation production of the D^0 system. Physical Review D, 2007, 76, 014001.	4.7	84
111	Study of the reaction $e^+e^- \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$ at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2012, 86, 014001.	4.7	84
112	Measurements of the Mass and Width of the $\psi(2S)$ Meson and of an $\psi(2S)$ Candidate. Physical Review Letters, 2004, 92, 142002.	7.8	83
113	Exclusive initial-state-radiation production of the $D^0 \bar{D}^0$, $D^+ D^-$, and $D^* \bar{D}^{*0}$ systems. Physical Review D, 2009, 79, 014001.	4.7	83
114	Differential branching fraction and angular analysis of $\psi(2S) \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2015, 2015, 014.	4.7	82
115	Evidence for the $\psi(1S)$ Meson in Radiative $\psi(2S)$ Decay. Physical Review Letters, 2009, 103, 161801.	7.8	81
116	Search for the Decays $B^0 \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$ and $B^+ \rightarrow \gamma^* \rightarrow B^+ K^0$. Physical Review Letters, 2017, 118, 251802.	7.8	81
117	Observation of a narrow meson decaying to $D_s^+ \pi^0$ at a mass of 2.458 GeV/c ² . Physical Review D, 2004, 69, 014001.	4.7	80
118	Search for a charged partner of the $X(3872)$ in the B meson decay $B^+ \rightarrow X^+ K^0$. Physical Review D, 2005, 71, 014001.	4.7	80
119	Measurement of $D^0 \bar{D}^0$ Mixing Parameters Using $D^0 \rightarrow K^0 \pi^0$ and $D^0 \rightarrow K^0 K^0$ Decays. Physical Review Letters, 2010, 105, 081803.	7.8	80
120	Measurement of Collins asymmetries in inclusive production of charged pion pairs in $B^0 \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$ at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2014, 90, 014001.	4.7	80
121	Dalitz plot analysis of $B^0 \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$. Physical Review D, 2015, 91, 014001.	7.8	80
122	Study of excited charm-strange baryons with evidence for new baryons $\Lambda_c(3875)^+$. Physical Review D, 2015, 91, 014001.	4.7	80
123	Study of excited charm-strange baryons with evidence for new baryons $\Lambda_c(3875)^+$. Physical Review D, 2015, 91, 014001.	4.7	79
124	Precision Measurement of the $\psi(2S)$ Energy Spectrum, Branching Fraction, and Direct CP Asymmetry Violation in the Phase Space of $\psi(2S) \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$. Physical Review Letters, 2014, 112, 011801.	4.50	137
125	Measurement of C and P Asymmetry Violation in the Phase Space of $\psi(2S) \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$. Physical Review Letters, 2014, 112, 011801.	7.8	78
126	Measurement of C and P Asymmetry Violation in the Phase Space of $\psi(2S) \rightarrow \gamma^* \rightarrow B^0 \bar{K}^0$. Physical Review Letters, 2014, 112, 011801.	7.8	78

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127	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for direct CP violation. Physical Review Letters, 2014, 112, .	7.8	78
128	Search for Structure in the $B \rightarrow K^* \ell^+ \ell^-$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	4.7	78
129	Time-integrated and time-dependent angular analyses of $B \rightarrow K^* \ell^+ \ell^-$: A measurement of $\cos^2 \theta_2$ with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	4.7	77
130	Improved measurement of the CKM angle β . Physical Review Letters, 2014, 113, 111801.	4.7	77
131	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for CP violation. Physical Review Letters, 2014, 113, 111801.	4.7	77
132	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	3.7	77
133	Observation of a New $B \rightarrow K^* \ell^+ \ell^-$ Branching Fraction Measurements of the Rare $B \rightarrow K^* \ell^+ \ell^-$ Resonance. Physical Review Letters, 2014, 113, 111801.	7.8	77
134	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for CP violation. Physical Review Letters, 2014, 113, 111801.	7.8	77
135	Measurement of the Lifetime of the Doubly Charmed Baryon Λ_{cc}^+ . Physical Review Letters, 2018, 121, 052002.	7.8	76
136	Measurements of the S-wave fraction in $B \rightarrow K^* \ell^+ \ell^-$ decays and the $B \rightarrow K^* \ell^+ \ell^-$ differential branching fraction. Journal of High Energy Physics, 2016, 2016, 1.	4.7	75
137	Precision measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for CP violation. Physical Review Letters, 2014, 113, 111801.	4.7	74
138	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	74
139	Study of $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for CP violation. Physical Review Letters, 2014, 113, 111801.	4.7	74
140	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for CP violation. Physical Review Letters, 2014, 113, 111801.	4.7	73
141	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction and search for CP violation. Physical Review Letters, 2014, 113, 111801.	4.7	73
142	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ production cross-section in proton-proton collisions via		

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145	Evidence of $B \rightarrow \pi^+ \pi^0$ decays with hadronic B tags. Physical Review D, 2013, 88, .	4.7	72
146	Amplitude analysis of $B \rightarrow \pi^+ \pi^0$ decays with hadronic B tags. Physical Review D, 2016, 94, .		
147	Measurements of the Absolute Branching Fractions of $B \rightarrow \pi^+ \pi^0$. Physical Review Letters, 2006, 96, 052002.	7.8	71
148	Measurement of the $B \rightarrow \pi^+ \pi^0$ Cross Section between $B \rightarrow \pi^+ \pi^0$ and $B \rightarrow \pi^+ \pi^0$. Physical Review Letters, 2009, 102, 012001.	7.8	71
149	Measurement of the $B \rightarrow \pi^+ \pi^0$ branching fraction and study of the decay dynamics. Physical Review D, 2005, 72, .	4.7	70
150	Search for $B \rightarrow \pi^+ \pi^0$ decays with hadronic B tags. Physical Review Letters, 2012, 108, 211801.	7.8	70
151	Search for $B \rightarrow \pi^+ \pi^0$ decays with hadronic B tags. Physical Review Letters, 2012, 108, 211801.	4.7	70
152	Search for Low-Mass Dark-Sector Higgs Bosons. Physical Review Letters, 2012, 108, 211801.	7.8	70
153	Evidence for direct $B \rightarrow \pi^+ \pi^0$ violation from Dalitz-plot analysis of $B \rightarrow \pi^+ \pi^0$ decays. Physical Review Letters, 2004, 92, 121801.	4.7	69
154	Quantum numbers of the $B \rightarrow \pi^+ \pi^0$ transition. Physical Review Letters, 2004, 92, 121801.	4.7	69
155	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
156	Search for Lepton-Flavor Violation in the Decay $B \rightarrow \pi^+ \pi^0$. Physical Review Letters, 2004, 92, 121801.	7.8	68
157	Measurement of the $B \rightarrow \pi^+ \pi^0$ branching fraction and photon energy spectrum using the recoil method. Physical Review D, 2008, 77, .	4.7	68
158	Measurement of the $B \rightarrow \pi^+ \pi^0$ transition form factors at $q^2 = 11.2$ GeV ² . Physical Review D, 2006, 74, .	4.7	67
159	Measurement of the $B \rightarrow \pi^+ \pi^0$ transition form factors at $q^2 = 11.2$ GeV ² . Physical Review D, 2006, 74, .	7.8	67
160	Measurement of the $B \rightarrow \pi^+ \pi^0$ transition form factors at $q^2 = 11.2$ GeV ² . Physical Review D, 2006, 74, .	4.7	67
161	Study of the lineshape of the $B \rightarrow \pi^+ \pi^0$ transition. Physical Review Letters, 2004, 92, 121801.	4.7	66
162	Search for CP Violation in the Decays $B \rightarrow \pi^+ \pi^0$ and $B \rightarrow \pi^+ \pi^0$. Physical Review Letters, 2008, 100, 061803.	7.8	65

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163	Measurement of branching fraction and form factor shape measurements of exclusive charmless semileptonic $B \rightarrow C P$ violation in the three-body phase space of charmless $B \rightarrow A_{\pm} V$ decays. Physical Review D, 2014, 90, 011101.	4.7	65
164	Measurement of $B \rightarrow C P$ violation in the three-body phase space of charmless $B \rightarrow A_{\pm} V$ decays. Physical Review D, 2014, 90, 011101.	4.7	65
165	Measurement of $B \rightarrow C P$ violation in $B \rightarrow S$ decays. Physical Review Letters, 2015, 114, 041801.	7.8	65
166	Search for $B \rightarrow \ell \ell \nu$ decays with hadronic B tags. Physical Review D, 2008, 77, .	4.7	64
167	Exclusive Branching-Fraction Measurements of Semileptonic $B \rightarrow \ell \ell \nu$ Decays into Three Charged Hadrons, $B \rightarrow \ell \ell \nu$, and $B \rightarrow \ell \ell \nu$. Physical Review Letters, 2008, 100, 011801.	7.8	64
168	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	16.7	64
169	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \nu$ decays. Physical Review D, 2004, 69, .	4.7	63
170	Dalitz plot analysis of the decay $B \rightarrow K^* K^* K^*$. Physical Review D, 2006, 74, .	4.7	63
171	Measurement of the $B \rightarrow e \nu$ cross section in the energy range from 3.0 to 6.5AGeV. Physical Review D, 2013, 88, .	4.7	63
172	Study of inclusive production of charmonium mesons in B decays. Physical Review D, 2003, 67, .	4.7	61
173	Cross sections for the reactions $B \rightarrow e \nu K$. Physical Review D, 2003, 67, .	4.7	61
174	Measurement of $B \rightarrow C P$ violation in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 132001.	7.8	61
175	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
176	Observation of the Decay $B \rightarrow J/\psi K$ -Kand Search for $X(3872) \rightarrow J/\psi$. Physical Review Letters, 2004, 93, 041801.	7.8	59
177	Observation of $B \rightarrow C P$ violation in $B \rightarrow A_{\pm} V$ decays. Physical Review Letters, 2015, 114, 132001.	7.8	59
178	Dalitz plot analysis of $B \rightarrow A_{\pm} V$ decays. Physical Review D, 2009, 79, .	4.7	59
179	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	4.7	59
180	Determination of the Branching Fraction for $B \rightarrow X c a$, $B \rightarrow \ell \ell \nu$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. Physical Review Letters, 2004, 93, .	7.8	58

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181	Observation of $B \rightarrow K^* K^0$ and $B^0 \rightarrow K^* K^0$. Physical Review Letters, 2006, 97, 171805.	7.8	58
182	Measurement of the Branching Fraction and Photon Energy Moments of $B \rightarrow X_s \gamma$ and $ACP(B \rightarrow X_s \gamma)$. Physical Review Letters, 2006, 97, 171803.	7.8	58
183	Measurements of $\langle \sigma_{\text{had}} \rangle$ and $\langle \sigma_{\text{had}} \rangle / \langle \sigma_{\text{had}} \rangle$. http://www.w3.org/1998/Math/MathML $\langle \sigma_{\text{had}} \rangle = \langle \sigma_{\text{had}} \rangle$ $\langle \sigma_{\text{had}} \rangle / \langle \sigma_{\text{had}} \rangle$	1.0784314 4.7	58
184	Measurement of J/ψ Production in Continuum e^+e^- Annihilations near $\sqrt{s} = 10.6 \text{ GeV}$. Physical Review Letters, 2001, 87, 162002.	7.8	57
185	Evidence for an $\eta_c(1S) \rightarrow \pi^+ \pi^- \eta_c(1S)$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$		

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199	Measurement of $\psi(2S)$ $\bar{\psi}(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	3.9	53
200	Measurement of the $B \rightarrow K^*(892)$ Decay Amplitudes. Physical Review Letters, 2001, 87, 241801.	7.8	52
201	Measurement of the hadronic form factor in $B \rightarrow D^0 \pi^+$ decays. Physical Review Letters, 2007, 94, 111802.	4.7	52
202	Measurements of the semileptonic decays $B \rightarrow D^0 \pi^+ \ell^+ \ell^-$ and $B \rightarrow D^0 \pi^+ \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 052002.	4.7	52
203	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
204	Measurement of the exclusive Υ production cross-section in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
205	Measurement of the $b \rightarrow c$ -Quark Production Cross Section in 7 and 13 TeV pp Collisions. Physical Review Letters, 2017, 118, 052002.	7.8	52
206	Measurement of the W boson mass. Journal of High Energy Physics, 2022, 2022, 1.	4.7	52
207	Measurement of Branching Fractions and Search for CP-Violating Charge Asymmetries in Charmless Two-Body B Decays into Pions and Kaons. Physical Review Letters, 2001, 87, 151802.	7.8	51
208	Measurements of Branching Fractions and CP-Violating Asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2003, 91, 201802.	7.8	51
209	Study of $B \rightarrow D^0 \pi^+$ and constraints on the CKM angle β . Physical Review D, 2007, 76, .	4.7	51
210	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+ K^- \pi^+$ decay. European Physical Journal C, 2017, 77, 161.	3.9	51
211	Measurement of $b \rightarrow c$ hadron fractions in 13 TeV pp collisions. Physical Review Letters, 2017, 118, 052002.	4.7	51
212	Measurement of the $B \rightarrow D^0 \pi^+$ decay properties and search for the $B \rightarrow D^0 \pi^+ \ell^+ \ell^-$ decay. Physical Review D, 2017, 95, 112002.	4.7	51
213	Determination of the form factors for the decay $B \rightarrow D^0 \pi^+$. Physical Review D, 2017, 95, 112002.	4.7	51
214	Search for the $B \rightarrow D^0 \pi^+ \ell^+ \ell^-$ decay. Physical Review Letters, 2017, 118, 052002.	4.7	50
215	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
216	Precision measurement of the ratio of the $B \rightarrow D^0 \pi^+$ to $B \rightarrow D^0 \pi^+ \ell^+ \ell^-$ decays. Physical Review Letters, 2017, 118, 052002.	4.1	50

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217	First observation and amplitude analysis of the $B \rightarrow D^* K^0$ decays. Physical Review D, 2007, 76, .	4.7	50
218	Study of $B \rightarrow D^* K^0$ decays. Physical Review D, 2007, 76, .	4.7	49
219	Dalitz plot analysis of $B \rightarrow D^* K^0$. Physical Review D, 2009, 79, .	4.7	49
220	Search for Production of Invisible Final States in Single-Photon Decays of $B \rightarrow D^* K^0$. Physical Review D, 2010, 81, .	7.8	49
221	Measurements of long-range near-side angular correlations in $B \rightarrow D^* K^0$ decays. Physical Review D, 2010, 81, .	4.7	49
222	Observation of New Resonances in the $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2016, 116, 473-483.	7.8	49
223	Observation of New Resonances in the $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2019, 123, 152001.	7.8	49
224	$B \rightarrow D^* K^0$ production via initial state radiation in e^+e^- at center-of-mass energy near 10.6 GeV. Physical Review D, 2004, 69, .	4.7	48
225	Study of the $D_s^*(2317)^+$ and $D_s(2460)^+$ mesons in inclusive e^+e^- production near $\sqrt{s} = 10.6$ GeV. Physical Review D, 2006, 74, .	4.7	48
226	Search for Invisible Decays of the $B \rightarrow D^* K^0$ decays. Physical Review D, 2010, 81, .	7.8	48
227	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	7.8	48
228	Search for the Lepton-Flavor-Violating Decays $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^0$. Physical Review D, 2010, 81, .	7.8	48
229	Systems and Precise Measurement of $B \rightarrow D^* K^0$ decays. Physical Review D, 2008, 77, .	7.8	48
230	Challenges in semileptonic $B \rightarrow D^* K^0$ decays. European Physical Journal C, 2020, 80, 1.	3.9	48
231	Observation of the Decay $B \rightarrow D^* K^0$. Physical Review Letters, 2007, 99, 221801.	7.8	47
232	Study of $B \rightarrow D^* K^0$ decays. Physical Review D, 2008, 77, .	7.8	47
233	Limits on $B \rightarrow D^* K^0$ decays into three charged leptons. Physical Review D, 2010, 81, .	4.7	47

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239	Measurement of the $B \rightarrow K^* \bar{K}^0$ branching fraction. Physical Review D, 2007, 76, .	4.7	45
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248	Measurements of the Branching Fractions of Exclusive Charmless B Meson Decays with $\hat{a} \in [0, \pi]$. Physical Review Letters, 2001, 87, 221802.	7.8	43
249	Search for the Decay $B \rightarrow K^* \bar{K}^0$. Physical Review Letters, 2005, 94, 101801.	7.8	43
250	Improved Limits on the Lepton-Flavor Violating Decays $B \rightarrow K^* \bar{K}^0$. Physical Review Letters, 2007, 99, 251803.	7.8	43
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266	Vector-Tensor and Vector-Vector Decay Amplitude Analysis of $B_c \rightarrow \psi(1S) K^*$. Physical Review Letters, 2007, 98, 051801.	7.8	41
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276	Measurements of Branching Fractions and Time-Dependent CP-Violating Asymmetries in $B \rightarrow \bar{D}^+ \bar{K}^0$ Decays. Physical Review Letters, 2005, 94, 191802.	7.8	39
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294	Measurement of decay amplitudes of $B \rightarrow \bar{K}^0 \pi^+ \pi^-$. Physical Review Letters, 2006, 97, 211801.	4.7	37
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314	Search for the Rare Decay $B \rightarrow J/\psi \pi^0$ at BABAR. Physical Review Letters, 2006, 96, 241802.	7.8	34
315	Improved Measurement of CP Violation in Neutral B Decays to $J/\psi \pi^0$. Physical Review Letters, 2007, 99, 171803.	7.8	34
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327	Measurement of the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decay. Physical Review Letters, 2010, 105, 111801. $\frac{D}{\Gamma} \approx 1.3 \times 10^{-12} \text{ s}$	4.7	33
328	Measurement of the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decay. Physical Review Letters, 2010, 105, 111801. $\frac{D}{\Gamma} \approx 1.3 \times 10^{-12} \text{ s}$	7.8	33
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337	Measurement of $B^0 \rightarrow \pi^+ \pi^-$ decays and determination of α . Physical Review Letters, 2010, 105, 111801.	4.7	32
338	Dalitz plot analyses of $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2010, 105, 111801.	4.7	32
339	Measurement of $B^0 \rightarrow \pi^+ \pi^-$ asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2010, 82, 014004.	7.8	32
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342	Precise measurement of the $B^0 \rightarrow \pi^+ \pi^-$ ratio of fragmentation fractions and of α . Physical Review Letters, 2010, 105, 111801.	4.7	32

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363	Central exclusive production of J/ψ and $\Upsilon(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, .	4.7	30
364	Measurement of $B_0 \rightarrow B^0$ Flavor Oscillations in Hadronic B_0 Decays. Physical Review Letters, 2002, 88, 221802.	7.8	29
365	Improved Measurements of CP-Violating Asymmetry Amplitudes in $B_0 \rightarrow \Upsilon e^+ e^-$ Decays. Physical Review Letters, 2005, 95, 151803.	7.8	29
366	Study of $B \rightarrow \Upsilon e^+ e^-$, $B \rightarrow \Upsilon \mu^+ \mu^-$ decays and determination of $ V_{ub} $. Physical Review D, 2005, 72, .	4.7	29
367	Observation of CP Violation in $B \rightarrow K^0$ Decays. Physical Review Letters, 2007, 98, 031801.	7.8	29
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370	Measurement of the $B_0 \rightarrow \Upsilon e^+ e^-$, $B \rightarrow \Upsilon \mu^+ \mu^-$ branching fractions, the $B_0 \rightarrow \Upsilon e^+ e^-$, $B \rightarrow \Upsilon \mu^+ \mu^-$ form-factor shape determination of $ V_{ub} $. Physical Review D, 2011, 83, .	4.7	29
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381	Measurement of the Branching Fractions of Exclusive $B \rightarrow \pi \pi$ Decays. Physical Review Letters, 2007, 99, 201802.	4.7	28
382	Measurement of the Branching Fractions of Exclusive $B \rightarrow \pi \pi$ Decays. Physical Review Letters, 2007, 99, 201802.	4.7	28
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387	Measurement of the B_c Decay Branching Fraction. Physical Review Letters, 2015, 91, .	4.7	28
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399	Measurement of time-dependent C asymmetry in $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decays. Physical Review D, 2008, 77, .	4.7	27
400	Searches for the decays $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2008, 77, .	4.7	27
401	Improved Measurement of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ mass and the mass difference of the B mesons. Physical Review D, 2008, 77, .	4.7	27
402	Determination of the Quark-Mixing Phase Angle β . Physical Review Letters, 2009, 102, 111802.	7.8	27
403	Measurement of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ and $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decays. Physical Review D, 2010, 81, .	4.7	27
404	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2010, 81, .	4.7	27
405	Search for lepton-number violating processes in $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decays. Physical Review D, 2012, 85, .	4.7	27
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408	Measurement of ϵ production in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	3.9	27
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411	Search for the decay $B \rightarrow \bar{K}^* \ell^+ \ell^-$. Physical Review D, 2004, 69, .	4.7	26
412	Measurement of the $B \rightarrow \bar{K}^* \ell^+ \ell^-$ branching fractions. Physical Review D, 2005, 71, .	4.7	26
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423	Search for $C \rightarrow P$ violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , 2008, 78, .	4.7	25
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426	Search for $B^0 \rightarrow \hat{\pi}^{\pm} \hat{\pi}^{\mp} D^* K^*$ and $D^* K^*$ decays. <i>Physical Review D</i> , 2010, 82, .	4.7	25
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428	Searches for Λ_b^0 and Ξ_b^0 decays to $K_{\text{charm}}^{\pm} \pi^{\pm}$ and $K_{\text{charm}}^{\pm} \pi^{\pm}$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{charm}}^{\pm} \pi^{\pm}$ decay. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	25
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434	Measurement of the branching fraction for inclusive semileptonic B meson decays. Physical Review D, 2003, 67, .	4.7	24
435	Study of the Rare Decays $B^0 \rightarrow D_s^* \ell^+ \ell^-$ and $B^0 \rightarrow D_s^* \ell^+ \ell^-$. Physical Review Letters, 2003, 90, 181803.	7.8	24
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516	Measurement of CP observables in $B^{\pm} \rightarrow D^{\pm} K^{\pm}$ and $B^{\pm} \rightarrow D^{\pm} \pi^{\pm}$ with two- and four-body D decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 117-131.	4.1	20
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533	Search for CP violation in the decay $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review Letters, 2004, 92, 241802.	4.7	19
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764	Search for the decay $B \rightarrow D^* \tau \mu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	4.7	11
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791	Improved measurement of C and P observables in $B \rightarrow \mu^+ \mu^-$ decays. Physical Review D, 2008, 77, .	4.7	10
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840	Dalitz plot analyses of $B \rightarrow \pi^0 \pi^0 \pi^0$. <i>Physical Review D</i> , 2017, 95, .	4.7	9
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844	Search for lepton-flavour-violating decays of Higgs-like bosons. <i>European Physical Journal C</i> , 2018, 78, 1008.	3.9	9
845	Observation of the decay $B_s \rightarrow D^0 K^0 K^+$. <i>Physical Review D</i> , 2018, 98, .	4.7	9
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863	Measurement of the Time-Dependent CP Asymmetry in $B \rightarrow D^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2007, 99, 081801.	7.8	8
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888	Measurement of Time-Dependent CP Asymmetries in $B^0 \rightarrow D^{*+} D^{*-}$ Decays. Physical Review Letters, 2005, 95, 131802.	7.8	7
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892	Search for the decays $B^0 \rightarrow \pi^0 K^*$ and $B^0 \rightarrow \pi^0 K^*$. Physical Review D, 2008, 77, .	4.7	7
893	Branching fractions and CP-violating asymmetries in radiative B decays to $K^0 \pi^0$. Physical Review D, 2009, 79, .	4.7	7
894	Evidence for $B^0 \rightarrow K^+ K^-$. Physical Review D, 2009, 79, .	4.7	7
895	Search for B-meson decays to $\pi^0 \pi^0 K^*$. Physical Review D, 2009, 80, .	4.7	7
896	Observation of the decay $B^0 \rightarrow \pi^0 \pi^0$. Physical Review D, 2010, 82, .	4.7	7
897	Observation of the Decay $B^0 \rightarrow \pi^0 \pi^0$. Physical Review D, 2010, 82, .	4.7	7
898	Evidence for the baryonic decay $B^0 \rightarrow \pi^0 \pi^0$. Physical Review D, 2014, 89, .	4.7	7
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