

Claudia Patrignani

List of Publications by Year in descending order

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Version: 2024-02-01

1,151
papers

95,956
citations

1536

106
h-index

394

279
g-index

1174
all docs

1174
docs citations

1174
times ranked

20727
citing authors

#	ARTICLE	IF	CITATIONS
37	Measurement of the Fraction and Search for $B_s \rightarrow B^0 \tau^+ \tau^-$ Physical Review Letters, 2013, 111, 101805.	7.8	258
38	Measurement of the CP Asymmetry Amplitudes in $B \rightarrow 2\pi$ with BOMesons. Physical Review Letters, 2002, 89, 201802.	7.8	247
39	Evidence of a Broad Structure at an Invariant Mass of 4.32 ± 0.04 GeV/c ² in the Reaction $e^+e^- \rightarrow \psi(2S) \rightarrow e^+e^- \psi(2S)$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	7.8	247
40	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	238
41	Observation of Five New Narrow States Decaying to $J/\psi c \bar{c}$ Measurement of the Ratio of Branching Fractions $\frac{\mathcal{B}(B \rightarrow J/\psi K)}{\mathcal{B}(B \rightarrow J/\psi \pi)}$	7.8	234
42			

#	ARTICLE	IF	CITATIONS
55	Observation of $C \rightarrow P$ Violation in Charm Decays. Physical Review Letters, 2019, 122, 211803.	7.8	157
56	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\tilde{\chi}^0 \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2009, 103, 081803.	7.8	153
57	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	153
58	Observation of $J/\psi \rightarrow \mu^+ \mu^-$ Structures Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi K$. Physical Review Letters, 2010, 105, 161801.	7.8	150
59	Evidence for the decay $X(3872) \rightarrow J/\psi \gamma$. Physical Review D, 2010, 82, ...	7.8	148
60	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
61	Search for $A \rightarrow e^+ e^-$. Precise measurement of the $B \rightarrow e^+ e^-$ decays. Physical Review Letters, 2020, 124, 021801.	7.8	148
62	Precise measurement of the $B \rightarrow e^+ e^-$ decays. Physical Review Letters, 2020, 124, 021801.	7.8	148

#	ARTICLE	IF	CITATIONS
109	First Observation of $C \rightarrow P$ Violation in the Decays of B_c^0 . <i>Physical Review Letters</i> , 2013, 110, 221601.	7.8	105
110	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015, 11, 743-747.	16.7	105
111	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 045001.	3.6	104
112	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	103
113	Differential branching fraction and angular analysis of the decay $B_c^0 \rightarrow \Lambda_c^+ \bar{D}^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	103
114	Observation of an Excited Charm Baryon $\Lambda_c(2740)^0$ Decaying to $\Lambda_c^0 \pi^0$. <i>Physical Review Letters</i> , 2006, 97, 232001.	7.8	102
115	Model-independent Evidence for $C \rightarrow P$ Contributions to B_c^0 Decays. <i>Physical Review Letters</i> , 2013, 111, 101801.	7.8	102
116	Measurement of $C \rightarrow P$ Violation in the Phase Space of B_c^0 . <i>Physical Review Letters</i> , 2013, 111, 101801.	7.8	101
117	Measurement of the $B_c^0 \rightarrow \Lambda_c^+ D^0$ Form Factors. <i>Physical Review D</i> , 2007, 76, .	4.7	100
118	Measurement of the $B_c^0 \rightarrow \Lambda_c^+ D^0$ Form Factors. <i>Physical Review D</i> , 2011, 84, .	4.7	100
119	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	100
120	Dalitz plot analysis of $B_c^0 \rightarrow \Lambda_c^+ D^0$. <i>Physical Review D</i> , 2014, 90, .	4.7	99
121	Search for Lepton Flavor Violation in the Decay $\Lambda_c^+ \rightarrow \Lambda_c^+ e^+ e^-$. <i>Physical Review Letters</i> , 2006, 96, 041801.	7.8	98
122	Observation of Excited Λ_c Baryons. <i>Physical Review Letters</i> , 2012, 109, 172003.	7.8	98
123	Study of D_s decays to $D^* K$ inclusive $e^+ e^-$ interactions. <i>Physical Review D</i> , 2009, 80, .	4.7	96
124	Study of D_s decays to $D^* K$ inclusive $e^+ e^-$ interactions. <i>Physical Review D</i> , 2009, 80, .	4.7	96
125	Improved Measurement of CP Asymmetries in $B_c^0 \rightarrow \Lambda_c^+ K^0$ Decays. <i>Physical Review Letters</i> , 2005, 94, 161803.	7.8	95
126	Measurement of time-dependent $C \rightarrow P$ asymmetry in B_c^0 decays. <i>Physical Review Letters</i> , 2013, 111, 101801.	7.8	95

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127	Measurements of the magnetic form factor of the proton in the timelike region at large momentum transfer. Physical Review D, 1999, 60, . Study of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	93
128	Amplitude analysis of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	92
129	Study of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	92
130	Study of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and determination of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	89
131	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. Observation of the Semileptonic Decays $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	89
132	Evidence for $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	85
133	Study of the $X(3872)$ and $Y(4260)$ in $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ decays. Physical Review D, 2006, 73, .	4.7	84
134	Study of the exclusive initial-state-radiation production of the $D \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ system. Physical Review D, 2007, 76, .	4.7	84
135	Study of the reaction $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ initial-state radiation at i BABAR i . Physical Review D, 2012, 86, .	4.7	84
136	Measurements of the Mass and Width of the \hat{c} Meson and of an $\hat{c}(2S)$ Candidate. Physical Review Letters, 2004, 92, 142002.	7.8	83
137	Exclusive initial-state-radiation production of the $D \hat{D}^*$, $D^* \hat{D}^*$, and $D^* \hat{D}^*$ systems. Physical Review D, 2009, 79, .	4.7	83
138	Measurement of $\hat{\pi}(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	3.9	83
139	Study of D J meson decays to $D + \hat{\pi}^0$, $D + \hat{\pi}^+$ and $D + \hat{\pi}^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1. Measurement of the $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	4.7	82
140	Measurement of the $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	7.8	82
141	Differential branching fraction and angular analysis of $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	4.7	82
142	Evidence for the $\hat{b}(1S)$ Meson in Radiative $\hat{\pi}(2S)$ Decay. Physical Review Letters, 2009, 103, 161801. Search for the Decays $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	7.8	81
143	Search for the Decays $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$ and $B \rightarrow \hat{\pi}^0 \ell^+ \ell^-$	7.8	81
144	Observation of a narrow meson decaying to $D_s + \hat{\pi}^0$ at a mass of 2.458 GeV/c ² . Physical Review D, 2004, 69, .	4.7	80

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145	Search for a charged partner of the $X(3872)$ in the B meson decay $B \rightarrow X^+ K, X^+ \pi^0$. <i>Physical Review D</i> , 2005, 71, .	4.7	80
146	Measurement of D^0 Mixing Parameters Using $D^0 \rightarrow K^0 S^0$ and $D^0 \rightarrow K^0 K^0$ Decays. <i>Physical Review Letters</i> , 2010, 105, 081803.	7.8	80
147	Measurement of Collins asymmetries in inclusive production of charged pion pairs in e^+e^- collisions. <i>Physical Review D</i> , 2014, 89, .	4.7	80
148	Observation of Overlapping Spin-1 and Spin-3 Resonances in $B \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	7.8	80
149	Dalitz plot analysis of $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	4.7	80
150	Search for long-lived scalar particles in $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	4.7	79
151	Precision Measurement of the $B \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2014, 113, 162001.	7.8	78
152	Energy Spectrum, Branching Fraction, and Direct CP Asymmetry in $B \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	7.8	78
153	Violation in the Phase Space of $B \rightarrow \pi^0 \pi^0$ Decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	7.8	78
154	Measurement of the $B \rightarrow \pi^0 \pi^0$ Decay. <i>Physical Review Letters</i> , 2014, 113, 162001.	7.8	78
155	Search for Structure in the $B \rightarrow \pi^0 \pi^0$ Mass Spectrum. <i>Physical Review Letters</i> , 2016, 117, 152003.	4.7	78
156	Time-integrated and time-dependent angular analyses of $B \rightarrow \pi^0 \pi^0$: A measurement of $\cos^2 \delta_2$ with no sign ambiguity from strong phases. <i>Physical Review D</i> , 2005, 71, .	4.7	77
157	First observation of $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	4.7	77
158	Study of the reaction $B \rightarrow \pi^0 \pi^0$. <i>Physical Review Letters</i> , 2014, 113, 162001.	4.7	77
159	High Energy Physics. <i>Physical Review Letters</i> , 2014, 113, 162001.	4.7	77
160	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016, 40, 011001.	3.7	77
161	Observation of a New $B \rightarrow \pi^0 \pi^0$ Resonance. <i>Physical Review Letters</i> , 2014, 113, 162001.	7.8	77
162	Study of $B \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014, 113, 162001.	4.7	77

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181	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \sqrt{s} = 7, \sqrt{s} = 7$. Journal of High Energy Physics, 2012, 2012, 1. Direct $C \rightarrow P$, Lepton Flavor, and Isospin Asymmetries in the Decays $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	4.7	71
182	Search for $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	7.8	70
183	Search for $B \rightarrow K^* \ell \ell$. against $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	4.7	70
184	Search for Low-Mass Dark-Sector Higgs Bosons. Physical Review Letters, 2012, 108, 211801.	7.8	70
185	Evidence for direct $C \rightarrow P$ violation from Dalitz-plot analysis of $B \rightarrow K^* \ell \ell$. Quantum numbers of the X . X	4.7	69
186	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
187	Measurement of the $B \rightarrow K^* \ell \ell$ fraction and photon energy spectrum using the recoil method. Physical Review D, 2008, 77, .	4.7	68
188	Measurement of the $\hat{\alpha}^2$ transition form factors at $q^2 = 1.12$ GeV ² . Physical Review D, 2006, 74, .	4.7	67
189	Measurement of $ V_{cb} $ and the Form-Factor Slope in $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	7.8	67
190	Search for $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	4.7	67
191	Charm hadron properties in 400 GeV/cpp interactions. Zeitschrift für Physik C-Particles and Fields, 1988, 40, 321-346.	1.5	66
192	Study of the χ_{c1} and χ_{c2} charmonium states formed in p annihilations. Nuclear Physics B, 1992, 373, 35-54.	2.5	66
193	Study of the lineshape of the χ_{c1} . χ_{c1}	4.7	66
194	Measurements of the magnetic form factor of the proton for timelike momentum transfers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 20-25.	4.1	65
195	Search for CP violation in the Decays $D \rightarrow K^* K^+$ and $D \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2008, 100, 061803.	7.8	65
196	Analysis of the resonant components in $B \rightarrow K^* \ell \ell$. Search for the X . X	4.7	65
197	Search for $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	4.7	65
198	Search for $B \rightarrow K^* \ell \ell$. $B \rightarrow K^* \ell \ell$	4.7	65

#	ARTICLE	IF	CITATIONS
199	Measurement of the branching fraction and form factor shape measurements of exclusive charmless semileptonic $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays, and determination of $ V_{cs} $ and $ V_{cb} $. Physical Review D, 2012, 86, .	4.7	65
200	Measurement of the isospin asymmetry in $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2012, 2012, 165	4.7	65
201	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	4.7	65
202	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	65
203	Observation of $D^* \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2014, 90, .	7.8	65
204	Measurements of $C \rightarrow C^* P$ violation in the three-body phase space of charmless $B \rightarrow C^* P$ decays. Physical Review D, 2014, 90, .	4.7	65
205	Violation in $C \rightarrow C^* P$ decays. Physical Review D, 2014, 90, .	7.8	65
206	Results of a search for the $hc(1115)$ state of charmonium in the $\psi(3770) \rightarrow \psi(3770) \ell^+ \ell^-$ decay modes. Physical Review D, 2005, 72, .	4.7	64
207	Search for $B \rightarrow \ell^+ \ell^- \nu \bar{\nu}$ decays with hadronic tags. Physical Review D, 2008, 77, .	4.7	64
208	Exclusive Branching-Fraction Measurements of Semileptonic $B \rightarrow K^* \ell^+ \ell^-$ Decays into Three Charged Hadrons, $B \rightarrow K^* \ell^+ \ell^- \nu \bar{\nu}$, and $B \rightarrow K^* \ell^+ \ell^- \nu \bar{\nu}$. Physical Review Letters, 2008, 100, 011801.	7.8	64
209	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	16.7	64
210	Dalitz plot analysis of the decay $B \rightarrow K^* K^* K^*$. Physical Review D, 2006, 74, .	4.7	63
211	Measurement of the $B \rightarrow K^* K^* K^*$ cross section in $B \rightarrow K^* K^* K^*$ decays. Physical Review D, 2006, 74, .	4.7	63
212	First Observation of the Decay $B \rightarrow K^* K^* K^*$. Physical Review Letters, 2012, 108, 251802.	4.7	62
213	Study of inclusive production of charmonium mesons in B decays. Physical Review D, 2003, 67, .	4.7	61
214	Cross sections for the reactions $B \rightarrow K^* K^* K^*$. Physical Review D, 2003, 67, .	4.7	61
215	Determination of the Sign of the Decay Width Difference in the $B \rightarrow K^* K^* K^*$ System. Physical Review Letters, 2012, 108, 241801.	7.8	61
216	Measurement of $B \rightarrow K^* K^* K^*$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2015, 114, 132001.	7.8	61

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217	Measurement of the J/ψ and $\psi(2S)$ resonance parameters in $p\bar{p}$ annihilation. Physical Review D, 1993, 47, 772-783.	4.7	60
218	Search for the rare decays $B \rightarrow \mu^+ \mu^- \gamma$. Physical Review D, 2013, 87, .	4.1	60
219	Analysis of the resonant components in $B \rightarrow \mu^+ \mu^- \gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	4.7	59
220	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
221	Observation of the Decay $B \rightarrow J/\psi K$ and Search for $X(3872) \rightarrow J/\psi$. Physical Review Letters, 2004, 93, 041801.	7.8	59
222	Violation in $B \rightarrow \mu^+ \mu^- \gamma$. Physical Review Letters, 2007, 99, 021603.	7.8	59
223	Dalitz plot analysis of $B \rightarrow \mu^+ \mu^- \gamma$. Physical Review D, 2009, 79, .	4.7	59
224	Precision measurement of the $B \rightarrow s \gamma$ oscillation frequency with the decay $B \rightarrow s \gamma \rightarrow \mu^+ \mu^- \gamma$. New Journal of Physics, 2013, 15, 053021.	2.9	59
225	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
226	Determination of the Branching Fraction for $B \rightarrow X_c \gamma$, $1/2$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. Physical Review Letters, 2004, 93, .	7.8	58
227	Observation of $B \rightarrow K^0 K^0$ and $B \rightarrow K^0 K^0$. Physical Review Letters, 2006, 97, 171805.	7.8	58
228	Measurements of $B \rightarrow \mu^+ \mu^- \gamma$. Physical Review D, 2013, 87, .	4.7	58
229	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	4.1	58
230	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	3.9	58
231	Measurement of J/ψ Production in Continuum e^+e^- Annihilations near $\sqrt{s} = 10.6$ GeV. Physical Review Letters, 2001, 87, 162002.	7.8	57
232	Evidence for an $\eta_c(1S) \pi^+ \pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^-$ B		

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253	Measurement of the $B^0 \rightarrow K^* \ell^+ \ell^-$ Decay Amplitudes. <i>Physical Review Letters</i> , 2001, 87, 241801.	7.8	52
254	Measurement of the hadronic form factor in $B \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2007, 76, 074011.	4.7	52
255	Measurement of the $B \rightarrow D^0 \pi^0$ decay amplitude. <i>Physical Review D</i> , 2007, 76, 074011.	4.7	52
256	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 K^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	52
257	Measurement of the exclusive Υ production cross-section in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	52
258	Measurement of the $b \rightarrow c$ Quark Production Cross Section in 7 and 13 TeV Collisions. <i>Physical Review Letters</i> , 2017, 118, 052002.	7.8	52
259	Measurement of Branching Fractions and Search for CP-Violating Charge Asymmetries in Charmless Two-Body B Decays into Pions and Kaons. <i>Physical Review Letters</i> , 2001, 87, 151802.	7.8	51
260	Study of $B \rightarrow D^0 \pi^0$ and constraints on the CKM angle β . <i>Physical Review D</i> , 2007, 76, 074011.	4.7	51
261	Measurement of the $B \rightarrow D^0 \pi^0$ decay amplitude. <i>Physical Review D</i> , 2007, 76, 074011.	4.7	51
262	Measurement of the phase difference between short- and long-distance amplitudes in the $B^0 \rightarrow K^+ K^- \pi^0$ decay. <i>European Physical Journal C</i> , 2017, 77, 161.	3.9	51
263	Measurement of hadron fractions in $B \rightarrow D^0 \pi^0$ decays. <i>Physical Review D</i> , 2007, 76, 074011.	4.7	51
264	Determination of the form factors for the decay $B \rightarrow D^0 \pi^0$ of the CKM matrix element $ V_{cb} $. <i>Physical Review D</i> , 2008, 77, .	4.7	51
265	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2012, 108, 181806.	7.8	50
266	Search for the $B \rightarrow D^0 \pi^0$ decay. <i>Physical Review D</i> , 2007, 76, 074011.	4.7	50
267	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	50
268	Search for the doubly charmed baryon Ξ_{cc}^+ . <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	50
269	Precision measurement of the ratio of the $B \rightarrow D^0 \pi^0$ decay amplitudes. <i>Physical Review D</i> , 2007, 76, 074011.	4.1	50
270	First observation and amplitude analysis of the $B \rightarrow D^0 \pi^0$ decay. <i>Physical Review D</i> , 2015, 91, .	4.7	50

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271	Study of $B \rightarrow C \bar{B}^0$ violation in Charmless Two-Body Decays of $B \rightarrow C \bar{B}^0$. Physical Review D, 2007, 76, .	4.7	49
272	Dalitz plot analysis of $B \rightarrow D^+ \bar{K}^0 \bar{K}^0$. Physical Review D, 2009, 79, .	4.7	49
273	Search for Production of Invisible Final States in Single-Photon Decays of $B \rightarrow C \bar{B}^0$. Physical Review D, 2012, 85, .	7.8	49
274	First Evidence of Direct $B \rightarrow C \bar{B}^0$ Violation in Charmless Two-Body Decays of $B \rightarrow C \bar{B}^0$. Physical Review Letters, 2012, 108, 201601.	7.8	49
275	Searches for Majorana neutrinos in $B \rightarrow C \bar{B}^0$ decays. Physical Review D, 2012, 85, .	4.7	49
276	Production of charged pions, kaons, and protons in $B \rightarrow C \bar{B}^0$ annihilations into hadrons at $B \rightarrow C \bar{B}^0$ measurements of long-range angular correlations in $B \rightarrow C \bar{B}^0$ proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2016, 356, 479-489.	4.7	49
277	Measurement of the cross-section ratio $R_{B \rightarrow C \bar{B}^0}$ in $B \rightarrow C \bar{B}^0$ proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2016, 356, 479-489.	4.7	49
278	Observation of New Resonances in the $B \rightarrow C \bar{B}^0$ System. Physical Review Letters, 2019, 123, 152001.	7.8	49
279	$B \rightarrow C \bar{B}^0$ production via initial state radiation in $e^+e^- \rightarrow B \rightarrow C \bar{B}^0$ at a center-of-mass energy near 10.6 GeV. Physical Review D, 2004, 69, .	4.7	48
280	Study of the $D_s^*(2317)^+$ and $D_s(2460)^+$ mesons in inclusive $B \rightarrow C \bar{B}^0$ production near $\sqrt{s} = 10.6$ GeV. Physical Review D, 2006, 74, .	4.7	48
281	Search for Invisible Decays of the $B \rightarrow C \bar{B}^0$ Mesons. Physical Review D, 2012, 85, .	7.8	48
282	Measurement of the cross-section ratio $R_{B \rightarrow C \bar{B}^0}$ in $B \rightarrow C \bar{B}^0$ proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2016, 356, 479-489.	4.7	48

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289	Measurements of Charged Current Lepton Universality and Using Tau Lepton Decays to Physical Review D, 2010, 81, .	7.8	47
290	Limits on lepton-flavor violating decays into three charged leptons. Physical Review D, 2010, 81, .	4.7	47
291	Measurement of the Physical Review Letters, 2015, 114, 062004.	4.1	47
292	Observation of Two New Physical Review Letters, 2015, 114, 062004.	4.1	47
293	Resonances. Physical Review Letters, 2015, 114, 062004.	7.8	47
294	Measurements of Branching Fractions, Polarizations, and Direct CP-Violation Asymmetries in $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2006, 97, 201801.	7.8	46
295	Observation of Photon Polarization in the Transition. Physical Review Letters, 2014, 112, 161801.	7.8	46
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308	Dalitz plot analysis of $D \rightarrow D^* \rho^+ \rho^-$. Physical Review D, 2011, 83, 014007.	4.7	43
309	Measurement of $D^* \rightarrow D^0 \pi^+$ Mixing Parameters and Search for $D^* \rightarrow D^0 \pi^+ \pi^0$. Physical Review Letters, 2011, 106, 011801.	4.7	43
310	Study of χ_{c1} \rightarrow b meson production in $p \bar{p}$ collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2014, 74, .	3.9	43
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314	Observation of $B^0 \rightarrow \pi^+ \pi^-$ Meson Decay. Physical Review Letters, 2006, 97, 051802.	7.8	42
315	Search for Lepton Flavor Violating Decays $\tilde{A}_\pm \rightarrow \tau^+ \tau^- \nu_l$, $\tilde{A}_\pm \rightarrow \tau^+ \tau^- \nu_l \bar{\nu}_l$, $\tilde{A}_\pm \rightarrow \tau^+ \tau^- \nu_l \nu_l$. Physical Review Letters, 2007, 98, 061803.	7.8	42
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327	First observation of the decay $B_c^+ \rightarrow \psi(3700) \pi^+$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	41
328	Measurement of charmless two-body meson decays to pions and kaons. Physical Review D, 2013, 87, .	4.7	41
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332	Search for $B \rightarrow \pi^+ \pi^-$. Physical Review D, 2007, 76, .	4.7	40
333	Measurement of the CP-violating phase $\arg(V_{cb} V_{ub}^*)$. Physical Review Letters, 2005, 94, 181802.	4.1	40
334	Study of $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2015, 91, .	4.7	40
335	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in B_0 oscillations. Physical Review D, 2004, 70, .	4.7	39
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338	Measurements of CP-Violating Asymmetries in the Decay $B \rightarrow \pi^+ \pi^-$. Physical Review Letters, 2007, 99, 161802.	7.8	39
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341	Measurement of $B \rightarrow \pi^+ \pi^-$ decays from a Time-Dependent Amplitude Analysis of $B \rightarrow \pi^+ \pi^-$. Physical Review Letters, 2007, 99, 161802.	7.8	39
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367	Amplitude analysis and branching fraction measurement of $B \rightarrow D^{*0} \pi^0$ and $B \rightarrow D^{*0} \eta$. Physical Review D, 2013, 87, .	4.7	36
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373	Measurement of the absolute branching fractions for $B \rightarrow D^{*0} \pi^0$ and $B \rightarrow D^{*0} \eta$. Physical Review D, 2013, 87, .	4.7	35
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375	Measurement of the differential branching fraction of the decay $B \rightarrow D^{*0} \pi^0$. Physical Review Letters, 2013, 725, 251801.	4.1	35
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382	Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	35
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389	Measurement of the CP violating phase β_1 . Physical Review D, 2010, 82, 031101.	4.1	34
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391	Measurement of the flavour-specific CP-violating asymmetry A_{FB}^{τ} in $B \rightarrow \tau^+ \nu \ell^- \bar{\nu}$ decays. Physical Review D, 2013, 87, .	4.7	34
392	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.1	34
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394	Search for Long-Lived Particles in $B \rightarrow \tau^+ \nu \ell^- \bar{\nu}$ decays. Physical Review Letters, 2015, 114, 171801.	7.8	34
395	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	34
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405	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	7.8	33
406	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	4.7	33
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408	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
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412	Measurements of CP-Violating Asymmetries in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2007, 98, 181803.	7.8	32
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416	Search for the rare decays $B \rightarrow X \ell^+ \ell^-$ and $B \rightarrow X \ell^+ \ell^-$. <i>Physical Review D</i> , 2010, 82, .	4.7	32
417	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e^- \mu^+ \mu^-$ and $B \rightarrow \tau^+ e^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013, 111, 141803.	7.8	32
418	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e^- \mu^+ \mu^-$ and $B \rightarrow \tau^+ e^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013, 111, 141803.	7.8	32
419	Observation of the decay $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2015, 115, 091801.	4.7	32
420	Dalitz plot analyses of $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2015, 91, .	4.7	32
421	Search for the lepton flavour violating decay $B \rightarrow K^* \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2015, 2015, 171.	7.8	32
422	Search for the lepton flavour violating decay $B \rightarrow K^* \ell^+ \ell^-$. <i>Journal of High Energy Physics</i> , 2015, 2015, 171.	7.8	32
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426	Study of hadronic transitions between B states and observation of $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2014, 90, .	4.7	31
427	Search for a low-mass scalar Higgs boson decaying to a tau pair in single-photon decays of $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2013, 88, .	4.7	31
428	Measurement of the ratio of $B \rightarrow K^* \ell^+ \ell^-$ fractions to $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2014, 90, .	4.7	31
429	Studies of beauty baryon decays to $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2014, 90, .	4.7	31
430	Measurement of the CP-violating phase β_1 in $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	4.1	31
431	Measurement of the CP-violating phase β_1 in $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	7.8	31
432	Test of lepton universality with $\Lambda_b \rightarrow p \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	31

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434	Measurements of the decays $B^0 \rightarrow \pi^+ \pi^-$, $B^0 \rightarrow \pi^+ \pi^- \pi^0$, $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$, and $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^- \pi^0$. Physical Review D, 2006, 74, .	4.7	30
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436	Measurement of $C \rightarrow P$ -violating asymmetries in $B \rightarrow O$ decays. Physical Review D, 2007, 76, .	4.7	30
437	Evidence for the $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^+$ decays and study of the decay dynamics of B meson decays into $\pi^+ \pi^-$ final states. Physical Review D, 2007, 76, .	4.7	30
438	Study of the decay $D \rightarrow S$ asymmetry parameters. Physical Review D, 2008, 78, .	4.7	30
439	Measurements of $B \rightarrow \pi^+ \pi^-$ asymmetry parameters. Physical Review D, 2010, 82, .	7.8	30
440	Measurement of time dependent $B \rightarrow \pi^+ \pi^-$ asymmetry parameters in meson decays to $K^+ K^- S$. Physical Review D, 2011, 84, .	4.7	30
441	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7-10$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	3.9	30
442	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
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448	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, .	4.7	30
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452	Study of $B^0 \rightarrow \pi^+ \pi^-$ and $B^0 \rightarrow \pi^+ \pi^0$ decays and determination of $ V_{ub} $. Physical Review D, 2005, 72, .	4.7	29
453	Observation of CP Violation in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2007, 98, 031801.	7.8	29
454	Search for $D^0 \rightarrow D^0$ mixing using doubly flavor tagged semileptonic decay modes. Physical Review D, 2007, 76, .	4.7	29
455	Measurement of Semileptonic $B \rightarrow \pi^+ \pi^-$ Decays into Orbitally Excited Charmed Mesons. Physical Review D, 2007, 76, .	7.8	29
456	First observation of $B \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2007, 76, .	4.1	29
457	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$, $B^0 \rightarrow \pi^+ \pi^0$ and $B^0 \rightarrow \pi^+ \pi^-$ branching fractions, the $B^0 \rightarrow \pi^+ \pi^-$, $B^0 \rightarrow \pi^+ \pi^0$ form-factor shape and determination of $ V_{ub} $. Physical Review D, 2011, 83, .	4.7	29
458	Study of D^0 decays to $\{D^+ K_{\text{S}}^0\}$ and $D^0 K^+ K^-$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	4.7	29
459	Measurement of relative branching fractions of B decays to $\bar{c}^*(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	3.9	29
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461	Measurement of the $B \rightarrow \pi^+ \pi^-$ branching fractions and determination of $ V_{ub} $. Physical Review D, 2012, 86, .	4.7	29
462	Measurement of the CKM angle β from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
463	Measurement of angular asymmetries in the decays $B \rightarrow \pi^+ \pi^-$. Physical Review D, 2016, 93, .	4.7	29
464	Measurement of the shape of the $B^0 \rightarrow \pi^+ \pi^-$ differential decay rate. Physical Review D, 2017, 96, .	4.7	29
465	Near-threshold D^0 spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
466	Study of the $\pi^+ \pi^-$ decays of the $\chi_{c2}(13P2)$ and $\chi_{c0}(13P0)$ charmonium resonances. Physical Review D, 2000, 62, .	4.7	28
467	Search for Strange-Pentaquark Production in $e^+ e^-$ Annihilation at $\sqrt{s} = 10.58$ GeV. Physical Review Letters, 2005, 95, 042002.	7.8	28
468	Amplitude Analysis of the $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$ Decay. Physical Review Letters, 2007, 99, 201802.	7.8	28

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470	Measurement of the Branching Fractions of Exclusive $B \rightarrow \pi \pi$ Decays. Physical Review D, 2011, 83, .	4.7	28
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627	Measurement of the Time-Dependent CP Asymmetry in the $B \rightarrow K^* K^* \ell^+ \ell^-$ Decay. Physical Review Letters, 2004, 93, 071801.	7.8	19
628	Dalitz plot analysis of $D \rightarrow K^* K^* \ell^+ \ell^-$. Physical Review D, 2005, 72, .	4.7	19
629	Model-independent search for the decay $B \rightarrow K^* K^* \ell^+ \ell^-$. Physical Review D, 2009, 80, .	4.7	19
630	Observation of $B \rightarrow K^* K^* \ell^+ \ell^-$ meson decays to $B \rightarrow K^* K^* \ell^+ \ell^-$ and improved measurements for $B \rightarrow K^* K^* \ell^+ \ell^-$ and $B \rightarrow K^* K^* \ell^+ \ell^-$. Physical Review Letters, 2004, 93, 071801.	4.7	19

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632	Observation of $B \rightarrow 0 \hat{a}^+ \bar{c} \bar{s} \bar{b}$ decays. <i>Physical Review D</i> , 2012, 85.	4.7	19
633	Search for CP violation in the decay $B \rightarrow C P$ -Violating Phase in $B \rightarrow C P$ decays. <i>Physical Review D</i> , 2012, 85.	4.7	19
634	Measurements of the branching fractions of the decays $B_s \rightarrow 0 D_s \pi^+ \pi^-$ and $B_s \rightarrow 0 D_s \pi^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2012, 2012, .	4.7	19
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673	Observation of $B^0 \rightarrow K^+ K^-$ mixing. Measurement of the effective lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	4.7	17
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682	Observation of $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ \pi^-$ decays and a measurement of the B^0 baryon number. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
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704	<p>Measurement of branching fractions of B decays to $K_1(1270)$ and $K_1(1400)$ and determination of the CKM angle α_1 from $B \rightarrow a_1(1260) \ell^+ \ell^-$. Physical Review D, 2010, 81, .</p>	4.7	16
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707	<p>Branching fraction measurements of the color-suppressed decays $B \rightarrow D^{(*)} \ell^+ \ell^-$, $B \rightarrow D^{(*)} \ell^+ \ell^-$, and $D^{(*)} \ell^+ \ell^-$ and measurement of the polarization in the decay $B \rightarrow D^{(*)} \ell^+ \ell^-$. Physical Review D, 2011, 84, .</p>	4.7	16
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791	Search for the decay $B^0 \rightarrow \pi^0 \ell^+ \ell^-$. Physical Review D, 2006, 74, .	4.7	13
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1013	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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1016	Search for the decays $B \rightarrow D^0 \gamma$ and $B \rightarrow D^+ \gamma$. Physical Review D, 2008, 77, .	4.7	7
1017	Branching fractions and CP-violating asymmetries in radiative B decays to $\bar{K}^0 K^*$. Physical Review D, 2009, 79, .	4.7	7
1018	Evidence for $B^0 \rightarrow \bar{D}^0 K^* K^*$. Physical Review D, 2009, 79, .	4.7	7
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