

Murilo Santana Rangel

List of Publications by Year in descending order

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Version: 2024-02-01

273
papers

13,725
citations

31949

53
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26591

107
g-index

274
all docs

274
docs citations

274
times ranked

8159
citing authors

#	ARTICLE	IF	CITATIONS
1	Unleashing the full power of LHCb to probe stealth new physics. Reports on Progress in Physics, 2022, 85, 024201.	8.1	20
2	Top quark pair production in the exclusive processes at the LHC. Physical Review D, 2020, 102, .	1.6	11
3	Search for excited B c + states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
4	Search for Dark Photons Produced in 13 TeV $\mu\mu$ Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
5	First observation of forward $Z\tau^+\tau^-$ production in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
6	Measurement of CP observables in $B\rightarrow D(K)\pi$ and $B\rightarrow D(K)\rho$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.3	15
7	A measurement of the CP asymmetry difference between $B\rightarrow K\pi$ and $B\rightarrow K\rho$ decays. Journal of High Energy Physics, 2018, 2018, .	1.6	14
8	Measurement of CP asymmetry in $B\rightarrow D^*K$ decays. Journal of High Energy Physics, 2018, 2018, 16	1.6	13
9	Search for the lepton-flavour violating decays $B\rightarrow \tau e$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
10	First measurement of the CP-violating phase ϕ_1 in $B\rightarrow K^*(K^*)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
11	Test of lepton flavor universality by the measurement of the R_{B^*} ratio. Physical Review Letters, 2018, 120, 171802.	1.6	189
12	Measurement of the Ratio of the R_{B^*} and R_{B^0} ratios. Physical Review Letters, 2018, 120, 171802.	1.9	204
13	Measurement of the R_{B^*} ratio. Physical Review Letters, 2018, 120, 171802.	1.9	204

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19	Search for the CP-violating strong decays $\hat{B} \rightarrow \bar{K}^0 \pi^+ \pi^-$ and $\hat{B} \rightarrow \bar{K}^0 \pi^+ \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
20	Search for the suppressed decays $B \rightarrow K^0 K^0 \pi^+$ and $B \rightarrow K^0 \pi^+ \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
21	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
22	Amplitude analysis of $B \rightarrow J/\psi K^0$. Physical Review D, 2017, 95, 012002.	1.6	92
23	Consistent with Exotic States from Amplitude Analysis of $B \rightarrow J/\psi K^0$. Physical Review Letters, 2017, 118, 081801.	2.9	150
24	Observation of the Annihilation Decay Mode $B \rightarrow \bar{K}^0 \pi^+ \pi^-$. Physical Review Letters, 2017, 118, 081801.	2.9	25
25	Measurement of the $B \rightarrow \bar{K}^0 \pi^+ \pi^-$ and evidence for $B \rightarrow \bar{K}^0 \pi^+ \pi^0$. Physical Review Letters, 2017, 118, 081801.	1.6	21
26	Measurement of the $b \rightarrow c$ -Quark Production Cross Section in 7 and 13 TeV pp Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
27	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^0 \pi^+ \pi^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
28	Study of the $D^0 \rightarrow \pi^+ \pi^-$ amplitude in $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2017, 2017, 11.6	1.4	54
29	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
30	Observation of $B \rightarrow J/\psi K^0 \pi^+$ and $B \rightarrow J/\psi K^0 \pi^0$. European Physical Journal C, 2017, 77, 72.	1.4	7
31	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17
32	Observation of the Decay $B \rightarrow \bar{K}^0 \pi^+ \pi^-$. Physical Review Letters, 2017, 118, 071801.	2.9	9
33	Study of prompt D^0 meson production in pPb collisions at $\sqrt{s_{NN}} = 5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
34	Observation of charmless baryonic decays $B \rightarrow \bar{K}^0 \pi^+ \pi^-$. Physical Review Letters, 2017, 118, 081801.	1.6	8
35	Improved limit on the branching fraction of the rare decay $B \rightarrow K^0 \pi^+ \pi^-$. European Physical Journal C, 2017, 77, 678.	1.4	17
36	Observation of $B_c \rightarrow J/\psi D^{(*)} K^{(*)}$ decays. Physical Review D, 2017, 95, .	1.6	12

#	ARTICLE	IF	CITATIONS
55	Observation of the suppressed decay $B^0 \rightarrow \pi^+ \pi^- \rho^0$. Journal of High Energy Physics, 2017, 2017, 1.		15
56	Γ_{c1} and Γ_{c2} Resonance Parameters with the Decays $B^0 \rightarrow \rho^0 \pi^0$. Physical Review Letters, 2017, 119, 221801.		18
57	Observation of $B^0 \rightarrow D^0 \pi^0$ Meson Decays to $B^0 \rightarrow \pi^+ \pi^- \rho^0$. Physical Review Letters, 2017, 119, 181805.	2.9	21
58	Search for Baryon-Number Violating $B^0 \rightarrow \pi^0 p \bar{\Lambda}^0$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
59	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.	1.6	34
60	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
61	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35
62	Search for CP violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \rho^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	1.5	10
63	Evidence for the two-body charmless baryonic decay $B^0 \rightarrow \pi^+ p \bar{\Lambda}^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
64	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow \pi^+ p \bar{\Lambda}^0$. Physical Review Letters, 2017, 119, 232001.	2.9	15
65	Resonances and CP violation in $B^0 \rightarrow \pi^+ \pi^- \rho^0$ and $B^0 \rightarrow \pi^+ \pi^- \rho^0$ decays in the mass region above the $\rho(1020)$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
66	Study of B^0 correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
67	Measurement of CP observables in $B^0 \rightarrow \pi^+ \pi^- \rho^0$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
68	Measurement of $B^0 \rightarrow \pi^+ \pi^- \rho^0$ and $B^0 \rightarrow \pi^+ \pi^- \rho^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 139-158.	1.5	13
69	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^- \rho^0$ and $B^0 \rightarrow \pi^+ \pi^- \rho^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
70	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
71	Updated branching fraction measurements of $B^0 \rightarrow \pi^+ \pi^- \rho^0$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
72	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12

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73	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ and evidence for $B^0 \rightarrow \pi^+ \pi^- \ell^+ \ell^-$. Journal of High Energy Physics, 2017, .	1.6	17
74	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
75	Measurement of the B_{\pm}^0 production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
76	Measurement of the $Y(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
77	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \rightarrow J/\psi K^+$ and $B^+ \rightarrow J/\psi K^0$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
78	A precise measurement of the B^0 meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
79	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
80	Observations of $\Lambda_b^0 \rightarrow \Lambda^0 K^+ K^-$ and $\Lambda_b^0 \rightarrow \Lambda^0 K^+ K^0$ decays and searches for other Λ_b^0 and Σ_b^0 decays to Λ^0 final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
81	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
82	Observation of $\Lambda_b^0 \rightarrow \Lambda^0 (2S) p K^+$ and $\Lambda_b^0 \rightarrow \Lambda^0 J/\psi K^+$ decays and a measurement of the Λ_b^0 baryon mass. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
83	Measurement of the properties of the Λ_b^0 baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
84	Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
85	Measurement of the CKM angle β^3 using $B^0 \rightarrow DK^*$ with $D \rightarrow K^0 \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
86	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
87	Measurement of the ratio of branching fractions $\mathcal{B}(B_c^+ \rightarrow J/\psi K^+) / \mathcal{B}(B_c^+ \rightarrow J/\psi K^0)$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
88	Measurement of forward $W^+ e^{1/2}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
89	Measurement of the CKM angle β^3 from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
90	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ and $B^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays and the $B^0 \rightarrow K^+ K^- (892)^0 \ell^+ \ell^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75

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91	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. Chinese Physics C, 2016, 40, 011001.	1.5	77
92	A new algorithm for identifying the flavour of B^0 mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
93	Amplitude analysis of $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, .	1.6	73
94	Study of B_c^+ decays to the $K^+ \bar{K}^0$ final state and evidence for the decay $B_c^+ \rightarrow \pi^+ \bar{K}^0$. Physical Review D, 2016, 94, .	1.6	20
95	Violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, .	2.9	12
96	Measurement of the $B^0 \rightarrow \pi^+ \pi^-$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	1.5	6
97	Search for the lepton-flavour violating decay $D^0 \rightarrow e^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
98	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow DK^* \rightarrow 0$ decays with $D \rightarrow K^+ S^0$ and $K^+ S^0$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
99	Measurements of long-range near-side angular correlations in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	1.5	17
100	Measurements of long-range near-side angular correlations in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 473-483.	1.5	17
101	Search for B_c^+ decays to the $p \bar{K}^0$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	1.5	12
102	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
103	Measurement of CP observables in $B^0 \rightarrow DK^*$ and $B^0 \rightarrow D^* \bar{K}^0$ decays with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	1.5	20
104	Asymmetry in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, .	2.9	22
105	Mixing. Contributions to $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, .	2.9	102
106	Mixing. Contributions to $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 94, .	2.9	110
107	Studies of the resonance structure in $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review D, 2016, 93, .	1.6	20
108	Measurement of the mass and lifetime of the B_c^+ baryon. Physical Review D, 2016, 93, .	1.6	13

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109	Observation of $D \rightarrow D^0 K^0$ oscillations. Physical Review D, 2016, 93, .	2.9	27
110	First observation of the rare $B \rightarrow D^0 K^0$ decay. Physical Review D, 2016, 93, .	1.6	5
111	Measurement of the $B \rightarrow D^0 K^0$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
112	Constraints on the unitarity triangle angle β from Dalitz plot analysis of $B \rightarrow D^0 K^0$. Physical Review D, 2016, 93, .	1.6	13
113	Observation of $B \rightarrow D^0 K^0$ and Evidence for $B \rightarrow D^0 K^0$ Decays. Physical Review Letters, 2016, 116, 161802.9	2.9	6
114	Measurement of the Difference of Time-Integrated Asymmetries in $B \rightarrow D^0 K^0$. Physical Review Letters, 2016, 116, 161802.9	2.9	42
115	Search for Structure in the $B \rightarrow D^0 K^0$ Mass Spectrum. Physical Review Letters, 2016, 117, 152003.	2.9	31
116	Differential branching fraction and angular moments analysis of the decay $B \rightarrow D^0 K^0$ in the $K^0, 2^0$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
118	Probing diffractive production of gauge bosons at forward rapidities. European Physical Journal C, 2016, 76, 1.	1.4	5
119	Study of $D^0 \rightarrow D^0 K^0$ and $D^0 \rightarrow D^0 K^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
120	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	1.6	59
121	Study of $\tilde{\chi}(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
122	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
123	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
124	First observation of the decay $B \rightarrow D^0 K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1. 5	1.6	5
125	Observation of the $B \rightarrow D^0 K^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
126	First observation of the decay $D^0 \rightarrow K^0$ in the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	1.5	13

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127	Heavy ion physics at LHCb. Journal of Physics: Conference Series, 2016, 706, 042014.	0.3	0
128	Angular analysis of the $B^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ decay using 3 fb^{-1} of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	1.6	304
129	Study of CP violation in $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 91, .	1.6	14
130	Study of $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .		
131	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
132	Evidence for the Strangeness-Changing Weak Decay $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	2.9	25
133	First observation and amplitude analysis of the $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	1.6	50
134	Quantum numbers of the $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	1.6	69
135	Amplitude analysis of $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	1.6	30
136	Dalitz plot analysis of $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	1.6	80
137	Study of $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	1.6	22
138	Measurement of the branching fraction ratio $B(B_c \rightarrow \hat{a}^{\prime} \bar{K}^* D^0) / B(B_c \rightarrow \hat{a}^{\prime} \bar{K}^* D^0)$. Physical Review D, 2015, 92, .	1.6	14
139	Search for the rare decays $B^0 \rightarrow \hat{a}^{\prime} \bar{K}^* D^0$ and $B^0 \rightarrow \hat{a}^{\prime} \bar{K}^* D^0$. Physical Review D, 2015, 92, .	1.6	8
140	Model-independent confirmation of the $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	1.6	15
141	Measurement of $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review Letters, 2015, 115, 031601.	2.9	30
142	Observation of the $B_s^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review Letters, 2015, 115, 051801.	2.9	9
143	Observation of $B_s^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Resonances Consistent with Pentaquark States in $B^0 \rightarrow \hat{a}^{\prime} D^0$ ($h=K, \bar{K}$) with the modes $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$ and $D^0 \rightarrow K^* K^* \rightarrow 0 \frac{1}{4} + \frac{1}{4} \hat{a}^{\prime}$. Physical Review D, 2015, 92, .	2.9	816
144	Measurement of the Ratio of Branching Fractions $B(B_c \rightarrow \hat{a}^{\prime} \bar{K}^* D^0) / B(B_c \rightarrow \hat{a}^{\prime} \bar{K}^* D^0)$. Physical Review D, 2015, 92, .		

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163	Measurement of forward J/ψ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
164	Observation of the decay $B \rightarrow K^*(2S) K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 484-494.	1.5	13
165	Angular analysis and differential branching fraction of the decay $B \rightarrow K^* K^0$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	191
166	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
167	Angular analysis of the $B \rightarrow K^* K^0$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
168	Determination of the branching fractions of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
169	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	1.4	11
170	Observation of the $B \rightarrow K^* K^0$ decay from an amplitude analysis of $B \rightarrow K^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14
171	Observation of the $B \rightarrow K^* K^0$ decay from an amplitude analysis of $B \rightarrow K^* K^0$ decays using the $B \rightarrow K^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	29
172	Observation of Two New Resonances. Physical Review Letters, 2015, 114, 062004.	2.9	47
173	Observation of the $B \rightarrow K^* K^0$ decay from an amplitude analysis of $B \rightarrow K^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	1.5	31
174	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. Nature Physics, 2015, 11, 743-747.	6.5	105
175	Determination of $\hat{\Gamma}_3$ and charmless two-body decays of beauty mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 1-11.	1.5	13
176	Study of the rare $B \rightarrow K^* K^0$ and $B \rightarrow K^* K^+$ decays into the $K^* K^0$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-55.	1.5	17
177	D0 diffractive summary. International Journal of Modern Physics A, 2015, 30, 1542002.	0.5	1
178	Measurement of the Semileptonic Asymmetry in $B \rightarrow K^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	2.9	32
179	Measurement of the Semileptonic Asymmetry in $B \rightarrow K^* K^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 38-49.	2.9	65
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182	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
183	Search for CP violation in $B \rightarrow D^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 158-167.	1.6	13
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185	Search for the lepton flavour violating decay $B \rightarrow D^* \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2015, 2015, .	1.6	32
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200	First Observation of a Baryonic $B_c \rightarrow B^+ p$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
201	Measurement of the B_c^0 Meson Lifetime in $D_s \rightarrow B_c^0$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
202	Measurement of the resonant and non-resonant components in $B_c \rightarrow B^+ p$ decays. Physical Review Letters, 2014, 113, 172001.	1.6	67
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210	Violation in $B_c \rightarrow B^+ p$ decays. Physical Review Letters, 2014, 113, 152003.	1.6	18
211	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
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225	Measurement of the CP-violating phase $\arg(\rho_{cb})$ in $B \rightarrow \hat{\pi}^+ K$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.5	11
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233	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.	1.6	33
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237	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
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241	Observation of the Resonant Character of the $D \rightarrow \tau^+ \nu_\tau K_S^0$ Decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 623-633.	1.5	12
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252	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50

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257	Measurement of the CKM angle $\hat{\Gamma}^3$ from a combination of $B \rightarrow \pi \pi$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 115-120.	1.5	15
258	Measurement of the CKM angle $\hat{\Gamma}^3$ from a combination of $B \rightarrow \pi \pi$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 115-120.	1.6	33
259	Search for the Lepton-Flavor-Violating Decays $B_s^0 \rightarrow \tau^+ e^- \bar{\nu}_\tau \nu_e$ and $B^0 \rightarrow \tau^+ e^- \bar{\nu}_\tau \nu_e$. Physical Review Letters, 2013, 111, 141801.	0.9	17
260	Search for the Lepton-Flavor-Violating Decays $B_s^0 \rightarrow \tau^+ e^- \bar{\nu}_\tau \nu_e$ and $B^0 \rightarrow \tau^+ e^- \bar{\nu}_\tau \nu_e$. Physical Review Letters, 2013, 111, 141801.	1.1	12
261	Measurement of the CKM angle $\hat{\Gamma}^3$ from a combination of $B \rightarrow \pi \pi$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 115-120.	2.9	13
262	Measurement of the CKM angle $\hat{\Gamma}^3$ from a combination of $B \rightarrow \pi \pi$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 115-120.	2.9	13
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265	Search for the Higgs boson in lepton, tau, and jets final states. Physical Review D, 2013, 88, .	1.6	5
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267	Measurement of α_s from τ decays using the $B \rightarrow \tau \nu$ decay. Physical Review Letters, 2013, 111, 181801.	2.9	49
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269	Studies of the decays $B \rightarrow \tau^+ \nu_\tau \rho^0$ and observation of $B \rightarrow \tau^+ \nu_\tau \rho^-(1520)$. Physical Review D, 2013, 88, .	1.6	12
270	Search for Higgs boson production in $Z \rightarrow \tau \tau$ and $H \rightarrow \tau \tau$ decays. Physical Review D, 2013, 88, .	1.6	6

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272	<p>Search for the standard model Higgs boson in $1/2$+jets final states in 9.7 fb^{-1} of $pp \rightarrow \gamma \gamma$ collisions with the D0 detector. Physical Review D, 2013, 88, .</p>	1.6	9
273	<p>Combined search for the Higgs boson with the D0 experiment. Physical Review D, 2013, 88, .</p>	1.6	18