

Umberto Tamponi

List of Publications by Year in descending order

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Version: 2024-02-01

176
papers

8,197
citations

57758

44
h-index

49909

87
g-index

178
all docs

178
docs citations

178
times ranked

7935
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2022, 105, . Measurements of the branching fractions of $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2022, 105, .	4.7	1
2	Measurements of the branching fractions of $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2022, 105, .	4.7	5
3	B-flavor tagging at Belle II. European Physical Journal C, 2022, 82, 1.	3.9	11
4	Study of $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2022, 105, .	4.7	8
5	Physical Review D, 2021, 103, .	4.7	3
6	Test of lepton flavor universality and search for lepton flavor violation in $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	4.7	64
7	Measurement of branching fractions of $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2021, 103, .	4.7	6
8	Evidence for $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2021, 103, .	7.8	19
9	Test of Lepton Flavor Universality in $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review Letters, 2021, 126, 161801.	7.8	108
10	Measurement of the resonant and nonresonant branching ratios in $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays. Physical Review D, 2021, 103, .	4.7	2
11	Measurement of branching fractions and $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) asymmetries for $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2021, 103, .	4.7	4
12	First determination of the spin and parity of the charmed-strange baryon Λ_c^+ . Physical Review D, 2021, 103, .	4.7	16
13	Measurement of the energy dependence of the $e^+e^- \rightarrow B^0 \bar{B}^0$ and $e^+e^- \rightarrow B^0 \bar{B}^0$ exclusive cross sections. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
14	Search for $B_s \rightarrow D^* h^0$ ($h=K/\bar{K}$) at Belle using a semi-inclusive method. Physical Review D, 2021, 104, .	4.7	1
15	Measurements of partial branching fractions of inclusive $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays with hadronic tagging. Physical Review D, 2021, 104, .	4.7	12
16	Search for the decay $B_s \rightarrow D^* h^0$ ($h=K/\bar{K}$). Physical Review D, 2021, 104, .	4.7	1
17	Measurement of the masses and widths of the $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) decays at Belle. Physical Review D, 2021, 104, .	4.7	3
18	Search for $B \rightarrow D^* h^0$ ($h=K/\bar{K}$) with a hadronic tagging method at Belle. Physical Review D, 2021, 104, .	4.7	3

#	ARTICLE	IF	CITATIONS
19	$e^{\hat{t}}$		



#	ARTICLE	IF	CITATIONS
37	Observation of $B_{s1} \rightarrow \bar{D}^* \ell \nu$ and search for $B_{s1} \rightarrow \bar{D}^* \ell \nu$. Physical Review D, 2019, 100, .	4.7	4
38	Evidence for $B \rightarrow \bar{D}^* \ell \nu$ and observation of $B_c(2S) \rightarrow \bar{D}^* \ell \nu$. Physical Review D, 2019, 100, .	4.7	6
39	Evidence for the decay $B_0 \rightarrow \bar{D}^* \ell \nu$. Physical Review D, 2019, 99, .	4.7	5
40	Measurement of time-dependent CP violation in $B_0 \rightarrow \bar{D}^* \ell \nu$ decays. Physical Review D, 2019, 99, .	4.7	3
41	Search for $B \rightarrow \bar{D}^* \ell \nu$ decays. Physical Review D, 2019, 99, .		

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55	Observation of excited $\Lambda_c(1S)$, $\Lambda_c(2S)$, and nonresonant $\Lambda_c(2S) \rightarrow \Lambda_c(1S) \gamma$ production via two-photon collisions. Physical Review D, 2018, 97, .	4.7	61
56	Measurement of $\Lambda_c(1S)$, $\Lambda_c(2S)$, and nonresonant $\Lambda_c(2S) \rightarrow \Lambda_c(1S) \gamma$ production via two-photon collisions. Physical Review D, 2018, 98, .	4.7	5
57	Measurement of the branching fraction and time-dependent asymmetry for $\Lambda_c(1S) \rightarrow \Lambda_c(2S) \gamma$. Physical Review D, 2018, 98, .	4.7	5
58	Measurement of the decays $\Lambda_c(1S) \rightarrow \Lambda_c(2S) \gamma$ at Belle. Physical Review D, 2018, 98, .	4.7	5
59	Observation of $e^+e^- \rightarrow \Lambda_c(1S) \Lambda_c(2S)$ and search for $e^+e^- \rightarrow \Lambda_c(1S) \Lambda_c(2S)$ at $s=10.96 \pm 11.05 \text{ GeV}$. Physical Review D, 2018, 98, .	4.7	5
60	Observation of $\Lambda_c(2S) \rightarrow \Lambda_c(1S) \gamma$ Decay. Physical Review Letters, 2018, 121, 232001.	7.8	5
61	Evidence of a structure in $\Lambda_c^+ \rightarrow \Lambda_c^0 \pi^+$. European Physical Journal C, 2018, 78, 1.	3.9	22
62	Search for the lepton-flavor-violating decay $B_0 \rightarrow K^* \mu^+ e^-$. Physical Review D, 2018, 98, .	4.7	5
63	Measurement of time dependent asymmetries in $B \rightarrow K^* \mu^+ e^-$. Physical Review D, 2018, 98, .	4.7	7
64	Search for $B \rightarrow K^* \mu^+ e^-$. Physical Review D, 2018, 98, .	4.7	2
65	Measurement of the branching fraction of $B \rightarrow K^* \mu^+ e^-$. Physical Review D, 2018, 98, .	7.8	13
66	Inclusive study of bottomonium production in association with an η meson in $e^+e^- \rightarrow e^+e^- \Upsilon(5S)$ ($5S$). European Physical Journal C, 2018, 78, 1.	3.9	13
67	Measurement of branching fractions of hadronic decays of the $\Lambda_c(1S)$ baryon. Physical Review D, 2018, 97, .	4.7	9
68	Study of $\Lambda_c(1S) \rightarrow \Lambda_c(2S) \gamma$ pair production in single-tag two-photon collisions. Physical Review D, 2018, 97, .	4.7	5
69	Observation of an Excited $\Lambda_c(1S)$ Baryon. Physical Review Letters, 2018, 121, 052003.	7.8	32
70	Observation of $\Lambda_c(4S) \rightarrow \Lambda_c(2S) \gamma$. Physical Review Letters, 2018, 121, 062001.	7.8	8
71	Measurement of the branching fraction of $B \rightarrow D \mu^+ e^-$ at Belle using hadronic tagging in fully reconstructed events. Physical Review D, 2018, 98, .	4.7	5
72	Measurement of the η , Michel parameters ρ and κ in the radiative leptonic decay $\text{B} \rightarrow \text{u} \ell \bar{\nu}_\ell \gamma$. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	11

#	ARTICLE	IF	CITATIONS
73	Measurements of the $\overline{t}t$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7A TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
74	Observation of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ and Search for $D^0 \rightarrow \pi^+ \pi^- \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review Letters, 2017, 118, 051801.	7.8	18
75	The laser calibration system of the TOP detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 876, 59-61.	1.6	4
76	Search for $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays to invisible final states at Belle. Physical Review D, 2017, 95, .	4.7	10
77	Search for the $\tilde{t}^* \tilde{t}$ glueball in $\tilde{\tau}(1S)$ and $\tilde{\tau}(2S)$ decays. Physical Review D, 2017, 95, .	4.7	10
78	Search for $\tilde{t}^* \tilde{t}$ and branching fraction measurement of $\tilde{t}^* \tilde{t}$ production of dihadron in $\tilde{t}^* \tilde{t}$ annihilation at $\tilde{t}^* \tilde{t}$.	4.7	14
79	Measurement of the branching fraction and $\tilde{t}^* \tilde{t}$ annihilation at $\tilde{t}^* \tilde{t}$.	4.7	14
80	Measurement of the branching fraction and $\tilde{t}^* \tilde{t}$ annihilation at $\tilde{t}^* \tilde{t}$.	4.7	5
81	First measurement of $\tilde{t}^* \tilde{t}$ odd moments in $\tilde{t}^* \tilde{t}$ decays with semileptonic tagging at Belle. Physical Review D, 2017, 96, .	4.7	45
82	Lepton-Flavor-Dependent Angular Analysis of $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review Letters, 2017, 118, 111801.	7.8	252
83	Search for light tetraquark states in $B \rightarrow K^* \mu^+ \mu^-$ decays with semileptonic tagging at Belle. Physical Review D, 2017, 96, .	4.7	93
84	Measurement of the decays $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \mu^+ \mu^-$ in fully reconstructed events at Belle. Physical Review D, 2017, 96, .	4.7	93
85	Search for light tetraquark states in $B \rightarrow K^* \mu^+ \mu^-$ decays with semileptonic tagging at Belle. Physical Review D, 2017, 96, .	4.7	93
86	Search for light tetraquark states in $B \rightarrow K^* \mu^+ \mu^-$ decays with semileptonic tagging at Belle. Physical Review D, 2017, 96, .	4.7	93

#	ARTICLE	IF	CITATIONS
91	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
92	Measurement of the branching ratio of $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2016, 94, .	4.7	196
93	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
94	Energy Scan of the $e^+e^- \rightarrow h^+h^-$ cross section. Physical Review D, 2016, 94, .	4.7	27
95			

#	ARTICLE	IF	CITATIONS
109	Measurement of the lepton forward-backward asymmetry in $B \rightarrow X s \ell^+ \ell^-$ decays with a sum of exclusive modes. <i>Physical Review D</i> , 2016, 93, .	4.7	11
110	Bottomonium physics above $B B \bar{A}$ thresholds with the Belle experiment. <i>AIP Conference Proceedings</i> , 2016, . .	0.4	0
111	Search for a massive invisible particle $B \rightarrow X \gamma$. <i>Physical Review D</i> , 2016, 94, .	4.7	4
112	Search for a dark vector gauge boson decaying to $\ell^+ \ell^-$ using $B \rightarrow \ell^+ \ell^- \gamma$ decays. <i>Physical Review D</i> , 2016, 94, .	4.7	6
113	Bottomonium physics at $\sqrt{s} (4 < i < /i>, 5 < i < /i>, 6 < i < /i>)$ energies with the Belle detector. <i>Journal of Physics: Conference Series</i> , 2016, 742, 012003.	0.4	0
114	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	20
115	Measurement of $t \bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 379.	3.9	34
116	Measurement of $D^0 \rightarrow K^0$ mixing and search for CP violation in $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ decays with the full Belle data set. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 412-418.	4.1	20
117	Measurement of the $t \bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 128.	3.9	41
118	Search for massive WH resonances decaying into the $b \bar{b}$ final state at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 237.	3.9	30
119	First model-independent Dalitz analysis of $B^0 \rightarrow D^+ K^- \ell^+ \ell^-$ decay. <i>Progress of Theoretical and Experimental Physics</i> , 2016, 2016, 043C01.	6.6	8
120	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\ell^+ \ell^-$, leptons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	19
121	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 13.	3.9	62
122	Amplitude analysis of $B \rightarrow X \ell^+ \ell^-$. <i>Physical Review D</i> , 2015, 91, .	4.7	63
123	Measurement of $B \rightarrow X \ell^+ \ell^-$. <i>Physical Review D</i> , 2015, 91, .	4.7	109
124	Search for $B \rightarrow X \ell^+ \ell^-$ with hadronic tagging using the full Belle data sample. <i>Physical Review D</i> , 2015, 91, .	4.7	16
125	Evidence for the decay $B^0 \rightarrow \ell^+ \ell^-$. <i>Physical Review D</i> , 2015, 92, .	4.7	6
126	Measurement of $B \rightarrow X \ell^+ \ell^-$ initial state radiation at Belle. <i>Physical Review D</i> , 2015, 92, .	4.7	6

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127	Study of D^{**} production and light hadronic states in the $B \rightarrow D^{*} \pi$ decay. Physical Review D, 2015, 92, .	4.7	10

128 Publisher's Note: Measurements of $B \rightarrow D \pi$ decay. Physical Review D, 2015, 92, .

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#	ARTICLE	IF	CITATIONS
145	Comparison of the $Z/\hat{1}^3 \hat{a}^- + \text{jets}$ to $\hat{1}^3 + \text{jets}$ cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
146	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
147	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
148	Search for disappearing tracks in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
149	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76 \sqrt{s} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
150	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 288.	3.9	54
151	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 302.	3.9	6
152	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 325.	3.9	43
153	New bottomonium(-like) resonances spectroscopy and decays at Belle. EPJ Web of Conferences, 2014, 70, 00034.	0.3	2
154	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	3.9	292
155	Measurements of branching fractions of \bar{l}, l lepton decays with one or more $K, S, 0$. Physical Review D, 2014, 89.	4.7	43
156	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
157	Measurement of the Branching Fraction $B(\tau \rightarrow \text{ETQq}1) = 0.784314 \pm 0.000071$. Over		
158	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
159	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
160	Measurement of the τ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
161	Measurement of jet multiplicity distributions in $\tau^+ \tau^-$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3014.	3.9	16
162	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85

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163	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	69
164	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
165	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
166	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
167	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
168	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
169	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
170	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	3.9	60
171	Measurement of the $W+W\bar{a}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\bar{I}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
172	Search for an H-Dibaryon with a Mass near $2m_{\Lambda}$ in $\Lambda(1S)$ and $\Lambda(2S)$ Decays. Physical Review Letters, 2013, 110, 222002.	7.8	38
173	Study of $\langle \mathbf{m} \rangle$ in $\Lambda(1S)$ and $\Lambda(2S)$ Decays. Physical Review Letters, 2013, 110, 222002.	7.8	617
174	Study of the hadronic transitions $\Lambda(2S) \rightarrow \Lambda(1S) + \pi$ at Belle. Physical Review D, 2013, 87, .	4.7	7
175	First observation of Cabibbo-suppressed $Z \rightarrow b\bar{c}$ decays. Physical Review D, 2013, 88, .	4.7	5
176	First observation of the $Z \rightarrow b\bar{c}$ decays. Physical Review D, 2013, 88, .	4.7	52