

Nicola Serra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4805093/publications.pdf>

Version: 2024-02-01

79
papers

5,249
citations

109137

35
h-index

82410

72
g-index

79
all docs

79
docs citations

79
times ranked

7400
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Ratio of Branching Fractions B_{script}		

#	ARTICLE	IF	CITATIONS
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19	Evidence for an $\eta_c(1S)$ $\pi^+\pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) K^+\pi^-$		
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#	ARTICLE	IF	CITATIONS
37	Search for Violations of Lorentz Invariance and Symmetry in $C\bar{P}$ Decays. European Physical Journal C, 2018, 78, 443.	1.6	33
38	On the significance of new physics in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136644.	2.9	31
39	Studies of the resonance structure in $B \rightarrow K^* \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
40	Oscillations in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	27
41	FlavBit: a GAMBIT module for computing flavour observables and likelihoods. European Physical Journal C, 2017, 77, 1.	1.4	27
42	Observation of $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
43	Evidence for the rare decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 111803.	2.9	24
44	Model-independent Observation of Exotic Contributions to $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
45	Extracting angular observables without a likelihood and applications to rare decays. Physical Review D, 2015, 91, .	1.6	21
46	A precise measurement of the B^0 meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
47	Observation of $B \rightarrow K^* \ell^+ \ell^-$ Meson Decays to $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 118, 111803.	2.9	21
48	New strategy for $B \rightarrow K^* \ell^+ \ell^-$ branching ratio measurements and the search for new physics in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2017, 119, 221801.	1.6	20
49	Measurement of the CP Violation Parameter A_{FB}^{ℓ} in $D \rightarrow K^* \ell^+ \ell^-$ and $D \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
50	$\tilde{\chi}_{c1}$ and $\tilde{\chi}_{c2}$ Resonance Parameters with the Decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2017, 119, 221801.	1.6	18
51	Search for Lepton-Flavor Violating Decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2019, 123, 241802.	2.9	18
52	Prospects for disentangling long- and short-distance effects in the decays $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18

#	ARTICLE	IF	CITATIONS
55	Improved limit on the branching fraction of the rare decay $S \rightarrow \mu^+ \mu^- K_S^0 \pi^+ \pi^-$. European Physical Journal C, 2017, 77, 678.	1.4	17
56	Measurement of $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^-$ Meson Lifetimes. Physical Review Letters, 2017, 119, 101801.	2.9	15
57	First Observation of the Rare Purely Baryonic Decay $B^0 \rightarrow p \bar{p}$. Physical Review Letters, 2017, 119, 232001.	2.9	15
58	Symmetry relations between angular observables in $B^0 \rightarrow K^* \pi^+ \pi^-$ and the LHCb P_5' anomaly. Physical Review D, 2014, 90, .	1.6	14
59	A new algorithm for identifying the flavour of B^0 mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
60	Measurement of $C \rightarrow P$ Violation in $B \rightarrow D^0 \pi^+ \pi^-$ Decays. Physical Review Letters, 2016, 117, 261801.	2.9	12
61	Probing effects of new physics in $\Lambda_b^0 \rightarrow \Lambda_c^+ \mu^- \bar{\nu}_\mu$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
62	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
63	Measurement of Charged Pion Production in Z -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2019, 123, 232001.	2.9	10
64	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	1.4	9
65	Search for CP Violation in $D_s \rightarrow K_S^0 \ell^+ \ell^-$, $D \rightarrow K_S^0 \ell^+ \ell^-$, and $D \rightarrow \pi^+ \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
66	Observation of $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^-$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	9
67	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	0.5	7
68	Observation of $B_s \rightarrow D^0 K_S^0$ and Evidence for $B_s \rightarrow D^0 K_S^0$ Decays. Physical Review Letters, 2016, 116, 161802.	2.9	6
69	Search for Baryon-Number Violating $\Lambda_b^0 \rightarrow \Lambda_c^+ \mu^- \bar{\nu}_\mu$ Oscillations. Physical Review Letters, 2017, 119, 181807.	2.9	6
70	zfit: Scalable pythonic fitting. SoftwareX, 2020, 11, 100508.	1.2	6
71	Towards establishing lepton flavor universality violation in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2019, 99, 094002.	1.6	5
72	Isospin Amplitudes in $B \rightarrow D^0 \pi^+ \pi^-$ and $B \rightarrow D^0 \pi^+ \pi^-$ Decays. Physical Review Letters, 2017, 119, 181807.		

#	ARTICLE	IF	CITATIONS
73	A general effective field theory description of $b \rightarrow s \ell^+ \ell^-$, $b \rightarrow s \ell^+ \ell^- \gamma$ lepton universality ratios. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137151.	1.5	5
74	Commissioning of a High Pressure Time Projection Chamber with Optical Readout. Instruments, 2021, 5, 22.	0.8	4
75	zfit: scalable pythonic fitting. EPJ Web of Conferences, 2020, 245, 06025.	0.1	2
76	Microscopic entropy of nondilatonic branes: A 2D approach. Physical Review D, 2004, 70, .	1.6	1
77	PROSPECTS FOR RARE B-DECAYS AT THE LHCb. , 2010, , .		0
78	$B_d \rightarrow K^{(*)} \mu^+ \mu^-$, 2013, , .		0
79	Towards establishing New Physics in $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays. , 2019, , .		0