

Lia Lavezzi

List of Publications by Year in descending order

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Version: 2024-02-01

182
papers

3,406
citations

172457

29
h-index

189892

50
g-index

184
all docs

184
docs citations

184
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	The CGEM-IT: An Upgrade for the BESIII Experiment. <i>Symmetry</i> , 2022, 14, 905.	2.2	4
2	Study of BESIII trigger efficiencies with the 2018 J/ψ data. <i>Chinese Physics C</i> , 2021, 45, 023002.	3.7	3
3	Corrigendum to "Measurement of the $e^+e^- \rightarrow \pi^+\pi^-\gamma$ cross section between 600 and 900 MeV using initial state radiation" [Phys. Lett. B 753 (2016) 629-638]. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 813, 136059.	4.1	9
4	Measurement of cross section for $e^+e^- \rightarrow \pi^+\pi^-\gamma$ near $\rho(770)$ resonance. <i>Physical Review D</i> , 2021, 103, .	4.7	27
5	Observation of a resonant structure in $e^+e^- \rightarrow \pi^+\pi^-\gamma$ and another in $e^+e^- \rightarrow \pi^+\pi^-\gamma\pi^0$ at center-of-mass energies between 2.00 and 3.08 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 813, 136059.	4.1	26
6	Measurements of $e^+e^- \rightarrow \pi^+\pi^-\gamma$, $e^+e^- \rightarrow \pi^+\pi^-\gamma\pi^0$, and $e^+e^- \rightarrow \pi^+\pi^-\gamma\pi^0\pi^0$ at s from 4.18 to 4.60 GeV, and search for a Zc state close to the $D\bar{D}^*$ threshold decaying to $\pi^+\pi^-\gamma$ at $s=4.23$ GeV. <i>Physical Review D</i> , 2021, 103, .	4.7	2
7	Search for the reaction channel $e^+e^- \rightarrow \pi^+\pi^-\gamma$ at center-of-mass energies from 4.23 to 4.60 GeV. <i>Physical Review D</i> , 2021, 103, .	4.7	1
8	Observation of a Near-Threshold Structure in the $K^+\pi^-\pi^0$ Recoil-Mass Spectra in $e^+e^- \rightarrow \pi^+\pi^-\gamma$ and Its Polarization Alignment in $e^+e^- \rightarrow \pi^+\pi^-\gamma$. <i>Physical Review Letters</i> , 2021, 126, 102001.	7.8	135
9	Measurements of I_{Z^+} and I_{Z^0} time-like electromagnetic form factors for center-of-mass energies from 2.3864 to 3.0200 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 814, 136110.	4.1	36
10	Model-independent Determination of the Spin of the $\rho(770)$ and Its Polarization Alignment in $e^+e^- \rightarrow \pi^+\pi^-\gamma$. <i>Physical Review Letters</i> , 2021, 126, 102001.	7.8	13
11	Standalone codes for simulation and reconstruction of a triple-GEM: GTS and GRAAL. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012014.	4.7	3
12	Time performance of a triple-GEM detector at high rate. <i>Journal of Instrumentation</i> , 2020, 15, P06013-P06013.	1.2	1
14	GRAAL: Gem Reconstruction And Analysis Library. <i>Journal of Physics: Conference Series</i> , 2020, 1525, 012116.	7.8	33
15	A fast and parametric digitization for triple-GEM detectors. <i>Journal of Physics: Conference Series</i> , 2020, 1525, 012113.	0.4	0
17	Measurement of the Born cross sections for $e^+e^- \rightarrow \pi^+\pi^-\gamma$ +c.c. and $e^+e^- \rightarrow \pi^+\pi^-\gamma\pi^0$ +c.c.. <i>Physical Review D</i> , 2020, 101, .	4.7	3
18	Cross section measurement of $e^+e^- \rightarrow \pi^+\pi^-\gamma$ from $s=4.178$ to 4.600 GeV. <i>Physical Review D</i> , 2020, 101, .	4.7	13

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19	Search for the rare decay $\Lambda_c^+ \rightarrow \Lambda \pi^+ \pi^0$ at BESIII. Physical Review D, 2020, 101, .	4.7	3
20	Partial wave analysis of $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 101, .	4.7	8
21	Measurement of the branching fraction of $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 101, .	4.7	4
22	Model-independent determination of the relative strong-phase difference between D_0 and D_0^* and its impact on the measurement of the CKM angle β_3 . Physical Review D, 2020, 101, .	4.7	23
23	Search for the decay $J/\psi \rightarrow \pi^+ \pi^- \pi^0$ invisible. Physical Review D, 2020, 101, .	4.7	5
24	Observation of the Doubly Cabibbo-Suppressed Decay $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review Letters, 2020, 125, 141802.	4.7	0
25	Observation of $X(2370)$ and search for $X(2120)$ in $J/\psi \rightarrow \gamma K^* \eta$. European Physical Journal C, 2020, 80, 1.	3.9	13
26	Inclusive charged and neutral particle multiplicity distributions in $B \rightarrow \pi^+ \pi^- \pi^0$ and $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 102, .	4.7	0
27	Observation of the decays $B \rightarrow \pi^+ \pi^- \pi^0$ decays. Physical Review D, 2020, 102, .	4.7	1
28	Search for the semileptonic decay $D_0^+ \rightarrow \pi^+ \pi^0 e^+ \nu_e$. Physical Review D, 2020, 102, .	4.7	10
29	Search for new hadronic decays of $B \rightarrow \pi^+ \pi^- \pi^0$ and observation of $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 102, .	4.7	0
30	Preliminary results from the cosmic data taking of the BESIII cylindrical GEM detectors. Journal of Instrumentation, 2020, 15, C08004-C08004.	1.2	6
31	Precise measurements of branching fractions for $D_s^+ \rightarrow \pi^+ \pi^0$ meson decays to two pseudoscalar mesons. Journal of High Energy Physics, 2020, 2020, .	4.7	2
32	Measurement of the absolute branching fraction of the inclusive decay $B \rightarrow \pi^+ \pi^- \pi^0$. European Physical Journal C, 2020, 80, 1.	3.9	2
33	Measurement of the absolute branching fraction of the inclusive decay $B \rightarrow \pi^+ \pi^- \pi^0$. European Physical Journal C, 2020, 80, 1.	4.7	19
34	Measurement of singly Cabibbo-suppressed decays $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 102, .	4.7	0
35	Search for intermediate resonances and dark gauge bosons in $J/\psi \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 102, .	4.7	1
36	Measurements of the absolute branching fractions of $B \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2020, 102, .	4.7	8

#	ARTICLE	IF	CITATIONS
73	Study of the decay $\Lambda_c^+ \rightarrow p \pi^+ \pi^0$. Physical Review D, 2019, 99, .	4.7	16
74	Study of the Dalitz decay $J/\psi \rightarrow e^+ e^- \pi^0$. Physical Review D, 2019, 99, .	4.7	10
75	Precision measurements of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2019, 99, .	7.8	29
76	Observation of $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2019, 99, .	4.7	1
77	First observations of h_c^+ hadrons. Physical Review D, 2019, 99, .	4.7	6
79	Polarization and entanglement in baryon-antibaryon pair production in electron-positron annihilation. Nature Physics, 2019, 15, 631-634.	16.7	121
80	Study of the process $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2019, 99, .	4.7	30
81	Observation of $\overline{D}_s^+ \rightarrow \ell^+ \nu_\ell \pi^0$ and study of the P-wave \overline{D}_s^+ mesons. Chinese Physics C, 2019, 43, 031001.	3.7	7
82	Search for baryon and lepton number violation in $J/\psi \rightarrow \ell^+ \ell^- c \bar{c}$. Physical Review D, 2019, 99, .	4.7	10
83	Study of electromagnetic Dalitz decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2019, 99, .	4.7	2
84	Evidence of a Resonant Structure in the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2019, 99, .	4.7	8
85	Search for rare decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2019, 99, .	4.7	2
86	Precision Measurement of the Branching Fractions of $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 142002.	7.8	10
89	Measurement of the branching fraction of $B \rightarrow K^* \ell^+ \ell^-$ and search for $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2019, 99, .	4.7	3
90	A model to explain the angular distribution of $\psi(2S)$ and $\psi(3S)$ decay into $\Lambda_b \overline{\Lambda_b}$ and $\Sigma^0 \overline{\Sigma^0}$. Chinese Physics C, 2019, 43, 023103.	3.7	6

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91	Measurement of the phase between strong and electromagnetic amplitudes of J/ψ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 375-384. Determination of the Pseudoscalar Decay Constant f_{D_s}	4.1	5
92	via $\langle \pi^+ \pi^- \bar{c} \gamma_5 c D_s \rangle$	7.8	33
93	First Measurement of the Form Factors in $B \rightarrow \pi \ell^+ \ell^-$ and confirmation	4.7	10
94	Physical Review Letters, 2019, 122, 061801.	4.8	25
95	Physical Review Letters, 2019, 122, 062001.	4.7	23
96	Observation of OZI-suppressed decays $B_c \rightarrow \pi \ell^+ \ell^-$. Physical Review D, 2019, 99, . Measurement of the absolute branching fractions of $B_c \rightarrow \pi \ell^+ \ell^-$	4.7	6
97	Search for a strangeonium-like structure $B_c \rightarrow \pi \ell^+ \ell^-$	4.7	10
98	decaying into $B_c \rightarrow \pi \ell^+ \ell^-$ and a measurement of the cross section	4.7	12
99	Measurements of $B_c \rightarrow \pi \ell^+ \ell^-$	4.7	6
100	Measurement of $B_c \rightarrow \pi \ell^+ \ell^-$		

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145	Measurement of singly Cabibbo-suppressed decays $D_0 \rightarrow \pi^+ \pi^- \pi^0$, $\bar{D}_0 \rightarrow \pi^0 \pi^0 \pi^0$, $\bar{D}_0 \rightarrow \pi^+ \pi^- \pi^0$ and $\bar{D}_0 \rightarrow \pi^+ \pi^- \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 368-375.	4.1	3
146	Search for the rare decay of $\bar{B}^0 \rightarrow c + p \bar{A}^- e + e \bar{A}^+ + c.c.$ at BESIII. Physical Review D, 2018, 97, .	4.7	3
147	Study of the decays $D \rightarrow \pi^+ \pi^- (\pi^0) e + \bar{1}/2e$. Physical Review D, 2018, 97, .	4.7	11
148	A Cylindrical GEM Inner Tracker for the BESIII Experiment At IHEP. Springer Proceedings in Physics, 2018, , 116-119.	0.2	3
149	Precise Measurement of the $\langle \sigma_{\text{had}}^e e \rangle$ at $\sqrt{s} = 1.02$ GeV. Physical Review Letters, 2017, 118, 092002.	7.8	18
150	Evidence of Two Resonant Structures in $\langle \sigma_{\text{had}}^e e \rangle$ at $\sqrt{s} = 1.02$ GeV. Physical Review Letters, 2017, 118, 092001.	7.8	19
151	Observation of $\langle \sigma_{\text{had}}^e e \rangle$ at $\sqrt{s} = 1.02$ GeV. Physical Review Letters, 2017, 118, 092002.	4.1	42
152	Measurement of branching fractions for $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2017, 96, .	4.7	40
153	Measurement of branching fractions for $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2017, 96, .	4.7	3
154	Measurement of branching fractions for $B^0 \rightarrow \pi^+ \pi^- \pi^0$ and $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2017, 96, .	4.7	25
155	Evidence for $e^+ e^- \rightarrow \pi^+ \pi^- c(1S)$ at center-of-mass energies between 4.01 and 4.60 GeV. Physical Review D, 2017, 96, .	4.7	9
156	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2017, 96, .	4.1	18
157	Feasibility study for the measurement of $\langle \sigma_{\text{had}}^e e \rangle$ at $\sqrt{s} = 1.02$ GeV. Physical Review Letters, 2017, 118, 092002.	4.7	21
158	Transition distribution amplitudes at $\sqrt{s} = 1.02$ GeV. Physical Review D, 2017, 96, .	4.7	10
159	States and helicity analysis for $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2017, 96, .	4.7	10
160	Performance of the micro-TPC Reconstruction for GEM Detectors at High Rate. , 2017, , .		2
161	A custom readout electronics for the BESIII CGEM detector. Journal of Instrumentation, 2017, 12, C07017-C07017.	1.2	8
162	The Cylindrical GEM Inner Tracker of the BESIII experiment: prototype test beam results. Journal of Instrumentation, 2017, 12, C07038-C07038.	1.2	6

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163	The new CGEM Inner Tracker and the new TIGER ASIC for the BES III Experiment. , 2017, , .		4
164	Study of doubly strange systems using stored antiprotons. Nuclear Physics A, 2016, 954, 323-340.	1.5	22
165	Development and test of a $\frac{1}{4}$ TPC cluster reconstruction for a triple GEM detector in strong magnetic field. , 2016, , .		1
166	Feasibility studies of time-like proton electromagnetic form factors at $\overline{p}p \rightarrow \pi^0 \pi^0 \pi^0$ ANDA at FAIR. European Physical Journal A, 2016, 52, 1.	2.5	31
167	Experimental access to Transition Distribution Amplitudes with the $\overline{p}p \rightarrow \pi^0 \pi^0 \pi^0$ ANDA experiment at FAIR. European Physical Journal A, 2015, 51, 1.	2.5	29
168	Tracking with Straw Tubes in the PANDA Experiment. EPJ Web of Conferences, 2014, 66, 11007.	0.3	0
169	Technical design report for the $\overline{p}p \rightarrow \pi^0 \pi^0 \pi^0$ ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. European Physical Journal A, 2013, 49, 1.	2.5	71
170	The straw tube trackers of the PANDA experiment. , 2013, , .		0
171	The straw tube tracker of the ANDA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 148-150.	1.6	3
172	The Straw Tube Tracker of the PANDA experiment. , 2009, , .		0
173	OBELIX results on Kaonic Nuclear Clusters production by antiproton annihilation at rest on 4He. Hyperfine Interactions, 2009, 193, 201-207.	0.5	3
174	Quark deconfinement in antiproton annihilation at rest on light nuclei. Hyperfine Interactions, 2009, 194, 291-296.	0.5	4
175	Study of the performance of HPCe detectors operating in very high magnetic fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 560-568.	1.6	8
176	High strangeness production in antiproton annihilation at rest on few nucleon systems as a possible signature of quark deconfinement or QGP occurrence. Nuclear Physics A, 2009, 815, 67-88.	1.5	8
177	A new analysis improving the evidence of a narrow peak in the invariant-mass distribution of the Λp system observed in the $\overline{p}p$ annihilation at rest on 4He. European Physical Journal A, 2009, 40, 11-22.	2.5	14
178	Recent results on antiproton annihilation in 4He. Few-Body Systems, 2008, 43, 115-120.	1.5	1
179	Use of GEANE for tracking in virtual Monte Carlo. Journal of Physics: Conference Series, 2008, 119, 032018.	0.4	10
180	Search for signals of bound nuclear states in antiproton-4He annihilations at rest. Nuclear Physics A, 2007, 789, 222-242.	1.5	67

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181	strangeness production in annihilations at rest. Nuclear Physics A, 2007, 797, 109-130.	1.5	13
182	Search for the pentaquark in antiproton 4He annihilation at rest. Nuclear Physics A, 2006, 779, 116-141.	1.5	5