

# Luca Doria

## List of Publications by Year in descending order

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47  
papers

1,363  
citations

516710

16  
h-index

330143

37  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for three body pion decays $\tilde{\nu}_e + \hat{\nu}_1 + \hat{\nu}_2 \rightarrow X$ . Physical Review D, 2021, 103, .	4.7	10
2	Operation and characterization of a windowless gas jet target in high-intensity electron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1013, 165668.	1.6	10
3	Beam-normal single spin asymmetry in elastic electron scattering off $^{28}\text{Si}$ and $^{90}\text{Zr}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135664.	4.1	5
4	Improved search for two body muon decay $\hat{\nu}_1 + \hat{\nu}_2 \rightarrow e + X$ . Physical Review D, 2020, 101, .	4.7	9
5	Search for the rare decays $\tilde{\nu}_e \rightarrow \nu_e + \nu_\mu + \nu_\tau$ . Physical Review D, 2020, 102, .	4.7	3
6	Constraints on dark matter-nucleon effective couplings in the presence of kinematically distinct halo substructures using the DEAP-3600 detector. Physical Review D, 2020, 102, .	4.7	21
7	The MAGIX focal plane time projection chamber. Journal of Physics: Conference Series, 2020, 1498, 012022.	0.4	3
8	Reflectivity and PDE of VUV4 Hamamatsu SiPMs in liquid xenon. Journal of Instrumentation, 2020, 15, P01019-P01019.	1.2	9
9	Reflectance of Silicon Photomultipliers at Vacuum Ultraviolet Wavelengths. IEEE Transactions on Nuclear Science, 2020, 67, 2501-2510.	2.0	8
10	Search for dark matter with a 231-day exposure of liquid argon using DEAP-3600 at SNOLAB. Physical Review D, 2019, 100, .	4.7	94
11	Characterization of the Hamamatsu VUV4 MPPCs for nEXO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 371-379.	1.6	28
12	Search for heavy neutrinos in $\tilde{\nu}_e \rightarrow \nu_e + \nu_\mu + \nu_\tau$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134980.	4.1	40
13	Improved search for heavy neutrinos in the decay $\tilde{\nu}_e \rightarrow \nu_e + \nu_\mu + \nu_\tau$ . Physical Review D, 2019, 87, .	4.7	59
14	A method for characterizing after-pulsing and dark noise of PMTs and SiPMs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 875, 87-91.	1.6	11
15	Initial results from the PIENU experiment. Hyperfine Interactions, 2017, 238, 1.	0.5	0
16	Search for massive neutrinos in $\tilde{\nu}_e + \hat{\nu}_1 \rightarrow e + \pi^+ + \nu_e$ decay. Hyperfine Interactions, 2017, 238, 1.	0.5	3
17	Improved Measurement of the $\tilde{\nu}_e \rightarrow \nu_e + \nu_\mu + \nu_\tau$ Branching Ratio. Physical Review Letters, 2015, 115, 071801.	7.8	56
18	Measurement of the beam-recoil polarization in low-energy virtual Compton scattering from the proton. Physical Review C, 2015, 92, .	2.9	8

#	ARTICLE	IF	CITATIONS
19	Status of the PIENU experiment at TRIUMF. Journal of Physics: Conference Series, 2015, 631, 012044.	0.4	1
20	Detector for measuring the $\tilde{\nu}_e \rightarrow e + \tilde{\nu}_e$ branching fraction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 791, 38-46.	1.6	12
21	Search for new Physics with the $\tilde{\nu}_e \rightarrow e + \tilde{\nu}_e$ Decay. EPJ Web of Conferences, 2014, 66, 05004.	0.3	0
22	Electric and magnetic form factors of the proton. Physical Review C, 2014, 90, .	2.9	224
23	Status of the PIENU experiment. Journal of Physics: Conference Series, 2014, 556, 012002.	0.4	0
24	Measurements of the $\hat{p} \rightarrow \hat{n} + \hat{p}$ reaction at low Q <sup>2</sup> . European Physical Journal A, 2013, 49, 1.	2.5	15
25	Measurement of the Neutron Electric to Magnetic Form Factor Ratio at $Q^2 = 1.58 \text{ GeV}^2$ . Physical Review Letters, 2012, 111, 13.	4.7	46
26	PIENU experiment at TRIUMF: A sensitive probe of new physics. AIP Conference Proceedings, 2013, , .	0.4	2
27	Massive neutrino search in the decay $\tilde{\nu}_e \rightarrow e + \tilde{\nu}_e$ . , 2012, , .		0
28	Measurement of the pion branching ratio at TRIUMF. , 2012, , .		2
29	Silicon Detector Telescope for proton detection in electron scattering reactions at MAMI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 673, 82-88.	1.6	2
30	Search for massive neutrinos in the decay $\tilde{\nu}_e \rightarrow e + \tilde{\nu}_e$ . Physical Review D, 2011, 84, .	4.7	46
31	The PIENU experiment at TRIUMF : a sensitive probe for new physics. Journal of Physics: Conference Series, 2011, 312, 102010.	0.4	5
32	The Generalized Polarizabilities of the Nucleon: Status Report. Journal of Physics: Conference Series, 2011, 312, 032007.	0.4	0
33	Bernauer et al. Reply. Physical Review Letters, 2011, 107, .	7.8	29
34	High-Precision Determination of the Electric and Magnetic Form Factors of the Proton. Physical Review Letters, 2010, 105, 242001.	7.8	363
35	Study of a large NaI(Tl) crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 621, 188-191.	1.6	15
36	PIENU experiment at TRIUMF: Measurement of $\tilde{\nu}_e \rightarrow e + \tilde{\nu}_e$ branching ratio. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	High purity pion beam at TRIUMF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 102-105.	1.6	24
38	In-beam tests of scintillating fibre detectors at MAMI and at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 353-360.	1.6	12
39	A new measurement of the structure functions $PLL - PTT/\mu$ and $PLT$ in virtual Compton scattering at $Q^2 = 0.33$ (GeV/c) <sup>2</sup> . European Physical Journal A, 2008, 37, 1-8.	2.5	22
40	Virtual Compton scattering measurements in the $\hat{1}^3N\hat{1}^{\prime}\hat{1}^{\prime\prime}$ transition. Physical Review C, 2008, 78, .	2.9	14
41	Measurements of the $\hat{1}^3N\hat{1}^{\prime}\hat{1}^{\prime\prime}$ transition at low $Q^2$ . Probing the mesonic contribution. Physical Review C, 2008, 78, .	2.9	35
42	Recoil Polarization and Beam-Recoil Double Polarization Measurement of $\hat{1}$ -Electroproduction on the Proton in the Region of the $S_{11}(1535)$ Resonance. Physical Review Letters, 2007, 99, 132301.	7.8	15
43	Measurement of propagation time dispersion in a scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, Determination of quadrupole strengths in the $\hat{1}$ resonance.	1.6	7
44	Determination of quadrupole strengths in the $\hat{1}$ resonance. Physics Letter	4.1	39
45	Beam-helicity asymmetry in photon and pion electroproduction in the $\hat{1}^{\prime\prime}$ (1232)-resonance region at $Q^2 = 0.35$ (GeV/c) <sup>2</sup> . European Physical Journal A, 2007, 32, 69-75.	2.5	15
46	Monte Carlo simulation of virtual Compton scattering below pion threshold. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 675-686.	1.6	8
47	Lowest- $Q^2$ measurement of the $\hat{1}^3p\hat{1}^{\prime}\hat{1}^{\prime\prime}$ reaction: Probing the pionic contribution. European Physical Journal A, 2006, 30, 471-476.	2.5	52