Gustavo do Amaral Valdiviesso

List of Publications by Year
in descending order

31 papers	1,557 citations	430874 18 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	2908 citing authors

#	Article	IF	Citations
1	Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>disappea in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
2	Improved measurements of the neutrino mixing angle Î¸13 with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
3	Volume I. Introduction to DUNE. Journal of Instrumentation, 2020, 15, T08008-T08008.	1.2	168
4	First protonâ€“proton collisions at the LHC as observed withÂtheÂALICE detector: measurement of the charged-particle pseudorapidity density at $sqrt{s}=900$ ÂGeV. European Physical Journal C, 2010, 65, 111-125.	3.9	124
5	Long-baseline neutrino oscillation physics potential of the DUNE experiment. European Physical Journal C, 2020, 80, 1.	3.9	93
6	Volume IV. The DUNE far detector single-phase technology. Journal of Instrumentation, 2020, 15, T08010-T08010.	1.2	86
7	First measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:m from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
8	First results on ProtoDUNE-SP liquid argon time projection chamber performance from a beam test at the CERN Neutrino Platform. Journal of Instrumentation, 2020, 15, P12004-P12004.	1.2	69
9	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	3.9	69
10	Supernova neutrino burst detection with the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 1.	3.9	62
11	Measurement of Î¸13 in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46
12	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41
13	Background-independent measurement of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevie. Physics	4.1	34
14	Volume III. DUNE far detector technical coordination. Journal of Instrumentation, 2020, 15, T08009-T08009.	1.2	25
15	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
16	Constraining the violation of the equivalence principle with IceCube atmospheric neutrino data. Physical Review D, 2014, 89, .	4.7	19
17	Neutrino interaction classification with a convolutional neural network in the DUNE far detector. Physical Review D, 2020, 102, .	4.7	19
18	The Liquid Argon In A Testbeam (LArIAT) experiment. Journal of Instrumentation, 2020, 15, P04026-P04026.	1.2	16

#	Article	IF	Citations
19	Using Neutrinos to Monitor Nuclear Reactors: the Angra Neutrino Experiment, Simulation and Detector Status. Nuclear and Particle Physics Proceedings, 2015, 267-269, 108-115.	0.5	12
20	Precision muon reconstruction in Double Chooz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 330-339.	1.6	9
21	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
22	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
23	Construction of precision wire readout planes for the Short-Baseline Near Detector (SBND). Journal of Instrumentation, 2020, 15, P06033-P06033.	1.2	8
24	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
25	Probing new limits for the Violation of the Equivalence Principle in the solarâ€“reactor neutrino sector as a next to leading order effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 240-247.	4.1	4
26	Readout electronics validation and target detector assessment for the Neutrinos Angra experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 206-213.	1.6	4
27	Cosmic Ray Background Removal With Deep Neural Networks in SBND. Frontiers in Artificial Intelligence, 2021, 4, 649917.	3.4	4
28	Equivalence Principle from the Solar and Reactor Neutrino Observations. Nuclear Physics, Section B, Proceedings Supplements, 2012, 229-232, 452.	0.4	1
29	How much does the MSW effect contribute to the reactor antineutrino anomaly?. AIP Conference Proceedings, 2015, , .	0.4	0
30	How Does the Mass Transfer Restriction Change the Reactionâ€™s Kinetic Order for Acid Mine Drainage Treatment in an Anaerobic Bioreactor?. Lecture Notes in Civil Engineering, 2017, , 234-238.	0.4	0
31	Using hypothesis testing on the mass-transfer effect with sulfate removal as an application. Environmental Technology (United Kingdom), 2021, 42, 1-10.	2.2	0