Paola Sala

List of Publications by Year
in descending order

189 papers	9,174 citations	87888 38 h-index	42399 92 g-index
191 all docs	191 docs citations	191 times ranked	10719 citing authors

#	Article	IF	Citations
1	Roadmap: helium ion therapy. Physics in Medicine and Biology, 2022, 67, 15TR02.	3.0	24
2	Extension of the BIANCA biophysical model up to Fe-ions and applications for space radiation research. EPJ Web of Conferences, 2022, 261, 03001.	0.3	2
3	Radiobiological damage by space radiation: extension of the BIANCA model to heavy ions up to iron, and pilot application to cosmic ray exposure. Journal of Radiological Protection, 2022, 42, 021523.	1.1	2
4	First application of the BIANCA biophysical model to carbon-ion patient cases. Physics in Medicine and Biology, 2022, , .	3.0	2
5	FLUKA cross sections for cosmic-ray interactions with the DRAGON2 code. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 008.	5.4	8
6	Enhancement of the ionoacoustic effect through ultrasound and photoacoustic contrast agents. Scientific Reports, 2021, 11, 2725.	3.3	9
7	Biological effectiveness of He-3 and He-4 ion beams for cancer hadrontherapy: a study based on the BIANCA biophysical model. Physics in Medicine and Biology, 2021, 66, 195009.	3.0	8
8	Healthy Tissue Damage Following Cancer Ion Therapy: A Radiobiological Database Predicting Lymphocyte Chromosome Aberrations Based on the BIANCA Biophysical Model. International Journal of Molecular Sciences, 2021, 22, 10877.	4.1	4
9	Monitoring Proton Therapy Through in-Beam PET: An Experimental Phantom Study. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 194-201.	3.7	11
10	Volume I. Introduction to DUNE. Journal of Instrumentation, 2020, 15, T08008-T08008.	1.2	168
11	Measuring Changes in the Atmospheric Neutrino Rate over Gigayear Timescales. Physical Review Letters, 2020, 125, 231802.	7.8	11
12	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
13	Detector and Physics Performance at a Muon Collider. Journal of Instrumentation, 2020, 15, P05001-P05001.	1.2	49
14	Study of space charge in the ICARUS T600 detector. Journal of Instrumentation, 2020, 15, P07001-P07001.	1.2	5
15	Volume IV. The DUNE far detector single-phase technology. Journal of Instrumentation, 2020, 15, T08010-T08010.	1.2	86
16	Design and implementation of the new scintillation light detection system of ICARUS T600. Journal of Instrumentation, 2020, 15, T10007-T10007.	1.2	16
17	Volume III. DUNE far detector technical coordination. Journal of Instrumentation, 2020, 15, T08009-T08009.	1.2	25
18	A measurement of the group velocity of scintillation light in liquid argon. Journal of Instrumentation, 2020, 15, P09009-P09009.	1.2	13

#	ARTICLE	IF	CITATIONS
19	In Vivo Validation of the BIANCA Biophysical Model: Benchmarking against Rat Spinal Cord RBE Data. International Journal of Molecular Sciences, 2020, 21, 3973.	4.1	12
20	Cosmic-ray interactions with the Sun using the fluka code. Physical Review D, 2020, 101, .	4.7	18
21	Analysis of in-beam PET time-profiles in proton therapy. Journal of Instrumentation, 2019, 14, C02001-C02001.	1.2	5
22	Demonstration of MeV-scale physics in liquid argon time projection chambers using ArgoNeuT. Physical Review D, 2019, 99, .	4.7	45
23	Particle production, transport, and identification in the regime of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>â^'</mml:mi><mml:mn>7</mml:mn><mml:mtext>â€‰</mml:mtext><r Physical Review Accelerators and Beams, 2019, 22, .	1.6	11
24	Test and characterization of 400 Hamamatsu R5912-MOD photomultiplier tubes for the ICARUS T600 detector. Journal of Instrumentation, 2018, 13, P10030-P10030.	1.2	17
25	Monte Carlo simulation tool for online treatment monitoring in hadrontherapy with in-beam PET: A patient study. Physica Medica, 2018, 51, 71-80.	0.7	27
26	Proton and helium ion radiotherapy for meningioma tumors: a Monte Carlo-based treatment planning comparison. Radiation Oncology, 2018, 13, 2.	2.7	36
27	Carbon ions beam therapy monitoring with the INSIDE in-beam PET. Physics in Medicine and Biology, 2018, 63, 145018.	3.0	31
28	A phenomenological relative biological effectiveness approach for proton therapy based on an improved description of the mixed radiation field. Physics in Medicine and Biology, 2017, 62, 1378-1395.	3.0	42
29	Abstract ID: 143 Monte Carlo simulation tool for online treatment monitoring in hadrontherapy with in-beam PET. Physica Medica, 2017, 42, 47-48.	0.7	0
30	Helium ions at the heidelberg ion beam therapy center: comparisons between FLUKA Monte Carlo code predictions and dosimetric measurements. Physics in Medicine and Biology, 2017, 62, 6784-6803.	3.0	27
31	Dosimetric verification in water of a Monte Carlo treatment planning tool for proton, helium, carbon and oxygen ion beams at the Heidelberg Ion Beam Therapy Center. Physics in Medicine and Biology, 2017, 62, 6579-6594.	3.0	40
32	Proton therapy treatment monitoring with the DoPET system: activity range, positron emitters evaluation and comparison with Monte Carlo predictions. Journal of Instrumentation, 2017, 12, C12026-C12026.	1.2	4
33	Muon momentum measurement in ICARUS-T600 LAr-TPC via multiple scattering in few-GeV range. Journal of Instrumentation, 2017, 12, P04010-P04010.	1.2	16
34	The beam lines design for the CERN neutrino platform in the CERN north area and an outlook on their expected performance. Journal of Physics: Conference Series, 2017, 874, 012056.	0.4	1
35	Nuclear model developments in FLUKA for present and future applications. EPJ Web of Conferences, 2017, 146, 12005.	0.3	4
36	The FLUKA Code: An Accurate Simulation Tool for Particle Therapy. Frontiers in Oncology, 2016, 6, 116.	2.8	182

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37	Biologically optimized helium ion plans: calculation approach and itsin vitrovalidation. Physics in Medicine and Biology, 2016, 61, 4283-4299.	3.0	57
38	INSIDE in-beam positron emission tomography system for particle range monitoring in hadrontherapy. Journal of Medical Imaging, 2016, 4, 011005.	1.5	49
39	A model for the accurate computation of the lateral scattering of protons in water. Physics in Medicine and Biology, 2016, 61, N102-117.	3.0	20
40	Measurement of fragmentation cross sections ofC12ions on a thin gold target with the FIRST apparatus. Physical Review C, 2016, 93, .	2.9	20
41	Measurement of the high-energy gamma-ray emission from the Moon with the Fermi Large Area Telescope. Physical Review D, 2016, 93, 082001.	4.7	20
42	Production of secondary particles and nuclei in cosmic rays collisions with the interstellar gas using the FLUKA code. Astroparticle Physics, 2016, 81, 21-38.	4.3	27
43	A novel algorithm for the calculation of physical and biological irradiation quantities in scanned ion beam therapy: the beamlet superposition approach. Physics in Medicine and Biology, 2016, 61, 183-214.	3.0	23
44	Operation and performance of the ICARUS T600 cryogenic plant at Gran Sasso underground Laboratory. Journal of Instrumentation, 2015, 10, P12004-P12004.	1.2	16
45	Overview of the FLUKA code. Annals of Nuclear Energy, 2015, 82, 10-18.	1.8	540
46	Noise evaluation of Compton camera imaging for proton therapy. Physics in Medicine and Biology, 2015, 60, 1845-1863.	3.0	49
47	First tests for an online treatment monitoring system with in-beam PET for proton therapy. Journal of Instrumentation, 2015, 10, C01010-C01010.	1.2	5
48	A Study of Monitoring Performances with the INSIDE System. Acta Physica Polonica A, 2015, 127, 1468-1470.	0.5	11
49	The INSIDE Project: Innovative Solutions for In-Beam Dosimetry in Hadrontherapy. Acta Physica Polonica A, 2015, 127, 1465-1467.	0.5	26
50	Online monitoring for proton therapy: A real-time procedure using a planar PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 786, 120-126.	1.6	22
51	Monte Carlo Latching Studies of Prompt-Gamma Detection During Hadrontherapy. IEEE Transactions on Nuclear Science, 2014, 61, 2540-2546.	2.0	3
52	Hadronic and electromagnetic fragmentation of ultrarelativistic heavy ions at LHC. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	18
53	Proton range monitoring with in-beam PET: Monte Carlo activity predictions and comparison with cyclotron data. Physica Medica, 2014, 30, 559-569.	0.7	39
54	Extended calibration range for prompt photon emission in ion beam irradiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 745, 114-118.	1.6	7

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55	The FLUKA Code: Developments and Challenges for High Energy and Medical Applications. Nuclear Data Sheets, 2014, 120, 211-214.	2.2	1,310
56	Performance of the reconstruction algorithms of the FIRST experiment pixel sensors vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 34-40.	1.6	13
57	FLUKA and PENELOPE simulations of 10keV to 10MeV photons in LYSO and soft tissue. Radiation Physics and Chemistry, 2014, 95, 170-173.	2.8	2
58	An in-beam PET system for monitoring ion-beam therapy: test on phantoms using clinical 62 MeV protons. Journal of Instrumentation, 2014, 9, C04005-C04005.	1.2	27
59	The trigger system of the ICARUS experiment for the CNGS beam. Journal of Instrumentation, 2014, 9, P08003-P08003.	1.2	14
60	Experimental observation of an extremely high electron lifetime with the ICARUS-T600 LAr-TPC. Journal of Instrumentation, 2014, 9, P12006-P12006.	1.2	36
61	Monte Carlo calculations for the ATLAS cavern background. Progress in Nuclear Science and Technology, 2014, 4, 507-510.	0.3	0
62	Search for anomalies in the Î½ e appearance from a Î½ Î¼ beam. European Physical Journal C, 2013, 73, 1.	3.9	61
63	A new PET prototype for proton therapy: comparison of data and Monte Carlo simulations. Journal of Instrumentation, 2013, 8, C03021-C03021.	1.2	14
64	Distributions of secondary particles in proton and carbon-ion therapy: a comparison between GATE/Geant4 and FLUKA Monte Carlo codes. Physics in Medicine and Biology, 2013, 58, 2879-2899.	3.0	110
65	Experimental search for the â€œLSND anomalyâ€•with the ICARUS detector in the CNGS neutrino beam. European Physical Journal C, 2013, 73, 1.	3.9	59
66	A dedicated tool for PET scanner simulations using FLUKA. , 2013, , .		3
67	Noise evaluation of prompt-gamma technique for proton-therapy range verification using a Compton Camera. , 2013, , .		0
68	Signal and noise delineation for prompt-gamma detection during hadrontherapy. , 2013, , .		1
69	Precise 3D Track Reconstruction Algorithm for the ICARUS T600 Liquid Argon Time Projection Chamber Detector. Advances in High Energy Physics, 2013, 2013, 1-16.	1.1	28
70	Experiment FIRST: Fragmentation of ¹²C beam at 400 MeV/u. , 2013, , .		0
71	Hadron production simulation by FLUKA. Journal of Physics: Conference Series, 2013, 408, 012051.	0.4	9
72	Verification of the CNGS timing system using fast diamond detectors. Journal of Instrumentation, 2013, 8, P01017-P01017.	1.2	2

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73	FIRST experiment: Fragmentation of Ions Relevant for Space and Therapy. Journal of Physics: Conference Series, 2013, 420, 012061.	0.4	9
74	The KENTROS detector for identification and kinetic energy measurements of nuclear fragments at polar angles between 5 and 90 degrees. , 2012, , .		0
75	Describing Compton scattering and two-quanta positron annihilation based on Compton profiles: two models suited for the Monte Carlo method. Journal of Instrumentation, 2012, 7, P07018-P07018.	1.2	9
76	Precision measurement of the neutrino velocity with the ICARUS detector in the CNGS beam. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
77	Performance of upstream interaction region detectors for the FIRST experiment at GSI. Journal of Instrumentation, 2012, 7, P02006-P02006.	1.2	14
78	The FIRST experiment at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 130-138.	1.6	30
79	A search for the analogue to Cherenkov radiation by high energy neutrinos at superluminal speeds in ICARUS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 270-275.	4.1	22
80	Measurement of the neutrino velocity with the ICARUS detector at the CNGS beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 17-22.	4.1	44
81	The FIRST experiment for nuclear fragmentation measurements at GSI. , 2011, , .		2
82	Underground operation of the ICARUS T600 LAr-TPC: first results. Journal of Instrumentation, 2011, 6, P07011-P07011.	1.2	95
83	Applications of FLUKA Monte Carlo code for nuclear and accelerator physics. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2850-2856.	1.4	23
84	Measurement of inclusive jet and dijet cross sections inÂproton-proton collisions at 7ÂTeV centre-of-mass energy withÂtheÂATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	114
85	Status of the ICARUS experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 186-188.	0.4	1
86	Search for quark contact interactions in dijet angular distributions in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>TeV</mml:mtext></mml:math> measured with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	4.1	67
87	An integral test of FLUKA nuclear models with 160 MeV proton beams in multi-layer Faraday cups. Physics in Medicine and Biology, 2011, 56, 4001-4011.	3.0	13
88	Principles of Monte Carlo Calculations and Codes. , 2011, , 35-57.		0
89	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
90	Measurement of the W â†' â„“Î½ and Z/Î³ * â†' â„“â„“ production cross sections in proton-proton collisions at $ sqrt{s} = 7;{ext{TeV}} $ with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64

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91	Charged-particle multiplicities in pp interactions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>900</mml:mn><mml:mtext> GeV</mml:mtext></mml:math> measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 21-42.	4.1	138
92	Search for New Particles in Two-Jet Final States in 7ÂTeV Proton-Proton Collisions with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 161801.	7.8	113
93	THE CNGS FACILITY: PERFORMANCE AND OPERATIONAL EXPERIENCE. , 2010, , .		4
94	PERFORMANCE AND OPERATIONAL EXPERIENCE OF THE CNGS FACILITY. , 2010, , .		3
95	Towards a new Liquid Argon Imaging Chamber for the MODULAr project. Journal of Instrumentation, 2009, 4, P02003-P02003.	1.2	11
96	Generator of neutrino-nucleon interactions for the FLUKA based simulation code. AIP Conference Proceedings, 2009, , .	0.4	6
97	Radiation transport calculations and simulations. Radiation Protection Dosimetry, 2009, 137, 118-133.	0.8	8
98	CNGS neutrino beam: the MODULAr project. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 355-358.	0.4	1
99	CNGS neutrino beam for long base-line experiments: present status and perspectives. Nuclear Physics, Section B, Proceedings Supplements, 2009, 189, 263-270.	0.4	5
100	Measurement of the detection efficiency of the KLOE calorimeter for neutrons between 22 and 174MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 244-247.	1.6	1
101	The CNGS neutrino beam: status. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 188-190.	0.4	2
102	Measurement and simulation of the neutron detection efficiency with a Pb-scintillating fiber calorimeter. Journal of Physics: Conference Series, 2009, 160, 012023.	0.4	2
103	Hadronic models for cosmic ray physics: the FLUKA code. Nuclear Physics, Section B, Proceedings Supplements, 2008, 175-176, 88-95.	0.4	8
104	A new, very massive modular Liquid Argon Imaging Chamber to detect low energy off-axis neutrinos from the CNGS beam (Project MODULAr). Astroparticle Physics, 2008, 29, 174-187.	4.3	32
105	Measurement and Simulation of the Neutron Response and Detection Efficiency of a Pb-Scintillating Fiber Calorimeter. IEEE Transactions on Nuclear Science, 2008, 55, 1409-1412.	2.0	4
106	CNGS — a high-intensity neutrino facility startup issues and 2008 operational summary. , 2008, , .		0
107	Measurement of detection efficiency using Pb-scintillating fiber sampling KLOE calorimeter for neutrons between 22 and 174 MeV. , 2008, , .		1
108	Secondary Cosmic Ray Particles due to GCR Interactions in the Earth's Atmosphere. AIP Conference Proceedings, 2008, , .	0.4	3

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109	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	1.2	1,752
110	Radiation qualification of the front-end electronics for the readout of the ATLAS liquid argon calorimeters. Journal of Instrumentation, 2008, 3, P10005-P10005.	1.2	22
111	Low energy light ion interactions. AIP Conference Proceedings, 2007, , .	0.4	0
112	The FLUKA code: description and benchmarking. AIP Conference Proceedings, 2007, , .	0.4	747
113	The physics of the FLUKA code: Recent developments. Advances in Space Research, 2007, 40, 1339-1349.	2.6	64
114	CNGS neutrino beam: from CERN to Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 169-172.	0.4	5
115	A Monte Carlo approach to study neutron and fragment emission in heavy-ion reactions. Advances in Space Research, 2007, 40, 1350-1356.	2.6	2
116	Atmospheric muon simulation using the FLUKA MC Model. Nuclear Physics, Section B, Proceedings Supplements, 2007, 168, 286-288.	0.4	15
117	Measurement and simulation of the neutron response and detection efficiency of a Pb-scintillating fiber calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 368-372.	1.6	18
118	Performance of a liquid argon time projection chamber exposed to the CERN West Area Neutrino Facility neutrino beam. Physical Review D, 2006, 74, .	4.7	38
119	Modelling human exposure to space radiation with different shielding: the FLUKA code coupled with anthropomorphic phantoms. Journal of Physics: Conference Series, 2006, 41, 135-142.	0.4	9
120	Heavy-ion collisions: preliminary results of a new QMD model coupled with FLUKA. Journal of Physics: Conference Series, 2006, 41, 519-522.	0.4	5
121	GCR and SPE organ doses in deep space with different shielding: Monte Carlo simulations based on the FLUKA code coupled to anthropomorphic phantoms. Advances in Space Research, 2006, 37, 1791-1797.	2.6	24
122	Characterization of ETL 9357FLA photomultiplier tubes for cryogenic temperature applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 146-157.	1.6	41
123	Measurement of through-going particle momentum by means of multiple scattering with the ICARUS T600 TPC. European Physical Journal C, 2006, 48, 667-676.	3.9	36
124	Carbon induced reactions at low incident energies. Journal of Physics: Conference Series, 2006, 41, 212-218.	0.4	4
125	Human exposure to space radiation: role of primary and secondary particles. Radiation Protection Dosimetry, 2006, 122, 362-366.	0.8	16
126	The FLUKA code: an overview. Journal of Physics: Conference Series, 2006, 41, 151-160.	0.4	31

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127	CNGS neutrino beam systematics for. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 93-97.	0.4	9
128	Event Generator Comparisons. Nuclear Physics, Section B, Proceedings Supplements, 2005, 139, 278-285.	0.4	3
129	The atmospheric neutrino fluxes below 100 MeV: the FLUKA results. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 128-131.	0.4	3
130	The FLUKA code: New developments and application to 1GeV/n iron beams. Advances in Space Research, 2005, 35, 214-222.	2.6	34
131	The atmospheric neutrino flux below 100MeV: The FLUKA results. Astroparticle Physics, 2005, 23, 526-534.	4.3	80
132	New Results in Comprehensive Calculations of Heavy-Ion Interactions. AIP Conference Proceedings, 2005, , .	0.4	3
133	Nuclear Models in FLUKA: Present Capabilities, Open Problems, and Future Improvements. AIP Conference Proceedings, 2005, , .	0.4	14
134	Photonuclear Reactions in FLUKA: Cross Sections and Interaction Models. AIP Conference Proceedings, 2005, , .	0.4	22
135	Modeling the Action of Protons and Heavier Ions in Biological Targets: Nuclear Interactions in Hadrontherapy and Space Radiation Protection. AIP Conference Proceedings, 2005, , .	0.4	0
136	Event generators for simulating heavy ion interactions to evaluate the radiation risks in spaceflight. , 2005, , .		0
137	The application of FLUKA to dosimetry and radiation therapy. Radiation Protection Dosimetry, 2005, 116, 113-117.	0.8	16
138	Heavy ion interactions from Coulomb barrier to few GeV/n: Boltzmann Master Equation theory and FLUKA code performances. Brazilian Journal of Physics, 2004, 34, 897-900.	1.4	4
139	Measurement of the Î¼ decay spectrum with the ICARUS liquid Argon TPC. European Physical Journal C, 2004, 33, 233-241.	3.9	50
140	Analysis of the liquid argon purity in the ICARUS T600 TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 68-79.	1.6	55
141	Study of electron recombination in liquid argon with the ICARUS TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 275-286.	1.6	87
142	Design, construction and tests of the ICARUS T600 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 527, 329-410.	1.6	362
143	Detection of Cherenkov light emission in liquid argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 348-363.	1.6	23
144	The fluka code for space applications: recent developments. Advances in Space Research, 2004, 34, 1302-1310.	2.6	87

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145	Role of shielding in modulating the effects of solar particle events: Monte Carlo calculation of absorbed dose and DNA complex lesions in different organs. Advances in Space Research, 2004, 34, 1338-1346.	2.6	21
146	Performance of the ICARUS liquid argon prototype. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 498, 292-311.	1.6	21
147	Observation of long ionizing tracks with the ICARUS T600 first half-module. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 287-294.	1.6	25
148	The FLUKA atmospheric neutrino flux calculation. Astroparticle Physics, 2003, 19, 269-290.	4.3	104
149	Atmospheric production of energetic protons, electrons and positrons observed in near Earth orbit. Astroparticle Physics, 2003, 20, 221-234.	4.3	13
150	CALCULATION OF SECONDARY PARTICLES IN ATMOSPHERE AND HADRONIC INTERACTIONS. International Journal of Modern Physics A, 2002, 17, 1743-1754.	1.5	1
151	A low energy optimization of the CERN-NGS neutrino beam for a Î¸13 driven neutrino oscillation search. Journal of High Energy Physics, 2002, 2002, 004-004.	4.7	15
152	Nuclear Reactions in Monte Carlo Codes. Radiation Protection Dosimetry, 2002, 99, 29-38.	0.8	11
153	Proton driver optimization for new-generation neutrino superbeams to search for sub-leading ÂÂµÂÂeoscillations (Â13angle). New Journal of Physics, 2002, 4, 88-88.	2.9	12
154	Comparison of the FLUKA calculations with CAPRICE94 data on muons in atmosphere. Astroparticle Physics, 2002, 17, 477-488.	4.3	19
155	Hadron energy reconstruction for the ATLAS calorimetry in the framework of the non-parametrical method ATLAS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 480, 508-523.	1.6	36
156	Progresses in the validation of the FLUKA atmospheric Î½ flux calculation. Nuclear Physics, Section B, Proceedings Supplements, 2002, 110, 336-338.	0.4	2
157	ICARUS: an innovative detector for underground physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 324-326.	1.6	17
158	FLUKA simulations for low-energy neutron interactions and experimental validation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 469, 347-353.	1.6	13
159	The ICARUS liquid argon time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 471, 272-275.	1.6	8
160	A 3-dimensional calculation of the atmospheric neutrino fluxes. Astroparticle Physics, 2000, 12, 315-333.	4.3	107
161	Hadronic models and experimental data for the neutrino beam production. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 609-623.	1.6	31
162	Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 461-477.	1.6	21

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163	Study of solar neutrinos with the 600 t liquid argon ICARUS detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 455, 376-389.	1.6	8
164	Scintillation efficiency of nuclear recoil in liquid xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 147-157.	1.6	63
165	Determination of through-going tracksâ€™ direction by means of Î´-rays in the ICARUS liquid argon time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 42-47.	1.6	6
166	First observation of 140-cm drift ionizing tracks in the ICARUS liquid-argon TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 36-41.	1.6	9
167	ICARUS 600 ton: A status report. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 119-124.	0.4	4
168	Detection of scintillation light in coincidence with ionizing tracks in a liquid argon time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 432, 240-248.	1.6	28
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