Walter Fulgione

List of Publications by Year
in descending order

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226 papers	14,886 citations	34105 52 h-index	18130 120 g-index
230 all docs	230 docs citations	230 times ranked	10262 citing authors

#	Article	IF	Citations
1	Analysis of Cosmogenic Neutron Characteristics and the Pulses Counting Rate Using ASD, LSD, and LVD Scintillation Detectors. Journal of Experimental and Theoretical Physics, 2022, 134, 449-458.	0.9	0
2	Exploration of the stratosphere with cosmic-ray muons detected underground. Physical Review Research, 2022, 4, .	3.6	4
3	Emission of single and few electrons in XENON1T and limits on light dark matter. Physical Review D, 2022, 106, .	4.7	32
4	Search for inelastic scattering of WIMP dark matter in XENON1T. Physical Review D, 2021, 103, .	4.7	13
5	SNEWS 2.0: a next-generation supernova early warning system for multi-messenger astronomy. New Journal of Physics, 2021, 23, 031201.	2.9	50
6	Search for Coherent Elastic Scattering of Solar <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Neutrinos in the XENON1T Dark Matter Experiment. Physical Review Letters, 2021, 126, 091301.	7.8	50
7	^{222}RnÂÂemanation measurements for the XENON1T experiment. European Physical Journal C, 2021, 81, 337.	3.9	22
8	Effective exploitation of a geyser bubble-chamber equipment as a background-free fast neutron detector. European Physical Journal C, 2021, 81, 1.	3.9	1
9	Excess electronic recoil events in XENON1T. Physical Review D, 2020, 102, .	4.7	302
10	Solar neutrino detection sensitivity in DARWIN via electron scattering. European Physical Journal C, 2020, 80, 1.	3.9	26
11	A 0.3nV/âˆšHz input-referred-noise analog front-end for radiation-induced thermo-acoustic pulses. The Integration VLSI Journal, 2020, 74, 11-18.	2.1	6
12	Projected WIMP sensitivity of the XENONnT dark matter experiment. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 031-031.	5.4	159
13	Energy resolution and linearity of XENON1T in the MeV energy range. European Physical Journal C, 2020, 80, 1.	3.9	40
14	Accurate GPS-based timestamp facility for Gran Sasso National Laboratory. Journal of Instrumentation, 2019, 14, P04001-P04001.	1.2	2
15	XENON1T dark matter data analysis: Signal and background models and statistical inference. Physical Review D, 2019, 99, .	4.7	56
16	A 0.3nV/âˆš Hz Input-Referred-Noise Analog Front-End for Weakly-Interacting-Massive-Particles (WIMPs) Acoustic Sensing in Bubbles-Chamber Detectors. , 2019, , .		0
17	XENON1T dark matter data analysis: Signal reconstruction, calibration, and event selection. Physical Review D, 2019, 100, .	4.7	51
18	The XENON1T data acquisition system. Journal of Instrumentation, 2019, 14, P07016-P07016.	1.2	17

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19	Flux measurement of fast neutrons in the Gran Sasso underground laboratory. European Physical Journal C, 2019, 79, 1.	3.9	6
20	Characterization of the varying flux of atmospheric muons measured with the Large Volume Detector for 24Âyears. Physical Review D, 2019, 100, .	4.7	9
21	Observation of two-neutrino double electron capture in 124Xe with XENON1T. Nature, 2019, 568, 532-535.	27.8	89
22	Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T. Physical Review Letters, 2019, 122, 141301.	7.8	183
23	On the critical energy required for homogeneous nucleation in bubble chambers employed in dark matter searches. European Physical Journal C, 2019, 79, 1.	3.9	3
24	First Results on the Scalar WIMP-Pion Coupling, Using the XENON1T Experiment. Physical Review Letters, 2019, 122, 071301.	7.8	23
25	Light Dark Matter Search with Ionization Signals in XENON1T. Physical Review Letters, 2019, 123, 251801.	7.8	344
26	Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T. Physical Review Letters, 2019, 123, 241803.	7.8	158
27	Possible explanation of the neutrino signal from SN1987A detected with the LSD. EPJ Web of Conferences, 2018, 191, 03004.	0.3	0
28	Dark Matter Search Results from a One Ton-Year Exposure of XENON1T. Physical Review Letters, 2018, 121, 111302.	7.8	1,517
29	Signal yields of keV electronic recoils and their discrimination from nuclear recoils in liquid xenon. Physical Review D, 2018, 97, .	4.7	29
30	Intrinsic backgrounds from Rn and Kr in the XENON100 experiment. European Physical Journal C, 2018, 78, 1.	3.9	15
31	Search for Electronic Recoil Event Rate Modulation with 4 Years of XENON100 Data. Physical Review Letters, 2017, 118, 101101.	7.8	49
32	Removing krypton from xenon by cryogenic distillation to the ppq level. European Physical Journal C, 2017, 77, 1.	3.9	35
33	Search for magnetic inelastic dark matter with XENON100. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 039-039.	5.4	6
34	Effective field theory search for high-energy nuclear recoils using the XENON100 dark matter detector. Physical Review D, 2017, 96, .	4.7	36
35	Search for WIMP inelastic scattering off xenon nuclei with XENON100. Physical Review D, 2017, 96, .	4.7	50
36	Search for bosonic super-WIMP interactions with the XENON100 experiment. Physical Review D, 2017, 96, .	4.7	21

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37	First Dark Matter Search Results from the XENON1T Experiment. Physical Review Letters, 2017, 119, 181301.	7.8	757
38	Search for two-neutrino double electron capture of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>124</mml:mn></mml:mmultiscripts></mml:math> with XENON100. Physical Review C, 2017, 95, .	2.9	12
39	Online ^{222} 222 Rn removal by cryogenic distillation in the XENON100 experiment. European Physical Journal C, 2017, 77, 1.	3.9	29
40	The XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	157
41	Material radioassay and selection for the XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	36
42	MOSCAB: a geyser-concept bubble chamber to be used in a dark matter search. European Physical Journal C, 2017, 77, 1.	3.9	6
43	The core collapse supernova rate from 24 years of data of the Large Volume Detector. Journal of Physics: Conference Series, 2017, 888, 012256.	0.4	3
44	Results from a calibration of XENON100 using a source of dissolved radon-220. Physical Review D, 2017, 95, .	4.7	26
45	Search for Supernova Neutrinos with the LVD experiment: the 2017 update. , 2017, , .		0
46	XENON100 dark matter results from a combination of 477 live days. Physical Review D, 2016, 94, .	4.7	92
47	Physics reach of the XENON1T dark matter experiment.. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 027-027.	5.4	246
48	DARWIN: towards the ultimate dark matter detector. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 017-017.	5.4	288
49	Low-mass dark matter search using ionization signals in XENON100. Physical Review D, 2016, 94, .	4.7	86
50	Search for Event Rate Modulation in XENON100 Electronic Recoil Data. Physical Review Letters, 2015, 115, 091302.	7.8	35
51	AlekseenkoetÂal.Reply. Physical Review Letters, 2015, 115, 179502.	7.8	0
52	The Pierre Auger Cosmic Ray Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 172-213.	1.6	442
53	Lowering the radioactivity of the photomultiplier tubes for the XENON1T dark matter experiment. European Physical Journal C, 2015, 75, 1.	3.9	63
54	Decrease of Atmospheric Neutron Counts Observed during Thunderstorms. Physical Review Letters, 2015, 114, 125003.	7.8	17

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55	IMPLICATION FOR THE CORE-COLLAPSE SUPERNOVA RATE FROM 21 YEARS OF DATA OF THE LARGE VOLUME DETECTOR. Astrophysical Journal, 2015, 802, 47.	4.5	45
56	Exclusion of leptophilic dark matter models using XENON100 electronic recoil data. Science, 2015, 349, 851-854.	12.6	68
57	Observation and applications of single-electron charge signals in the XENON100 experiment. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 035201.	3.6	72
58	Conceptual design and simulation of a water Cherenkov muon veto for the XENON1T experiment. Journal of Instrumentation, 2014, 9, P11006-P11006.	1.2	48
59	First axion results from the XENON100 experiment. Physical Review D, 2014, 90, .	4.7	108
60	Analysis of the XENON100 dark matter search data. Astroparticle Physics, 2014, 54, 11-24.	4.3	45
61	Response of the XENON100 dark matter detector to nuclear recoils. Physical Review D, 2013, 88, .	4.7	53
62	Origin of a signal detected with the LSD detector after the accident at the chernobyl nuclear power plant. Journal of Experimental and Theoretical Physics, 2013, 117, 258-267.	0.9	2
63	Registration of Forbush decrease 2012/03/08 with a global net of the thermal neutron scintillation en-detectors. Journal of Physics: Conference Series, 2013, 409, 012190.	0.4	3
64	The neutron background of the XENON100 dark matter search experiment. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 115201.	3.6	28
65	Limits on Spin-Dependent WIMP-Nucleon Cross Sections from 225 Live Days of XENON100 Data. Physical Review Letters, 2013, 111, 021301.	7.8	218
66	Dark Matter Results from 225 Live Days of XENON100 Data. Physical Review Letters, 2012, 109, 181301.	7.8	1,175
67	Measurement of the Velocity of Neutrinos from the CNGS Beam with the Large Volume Detector. Physical Review Letters, 2012, 109, 070801.	7.8	30
68	The distributed Slow Control System of the XENON100 experiment. Journal of Instrumentation, 2012, 7, T12001-T12001.	1.2	5
69	Proposal for an MRPC system with high-precision timing in the LVD structure. European Physical Journal Plus, 2012, 127, 1.	2.6	4
70	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. Journal of Instrumentation, 2011, 6, P01003-P01003.	1.2	16
71	Results of a 3-ton experiment with a Gd loaded liquid scintillator target performed in the frame of LVD at LNGS. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 385.	0.4	0
72	The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.	4.3	54

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73	Doping the 1 kton Large Volume Detector with Gd. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 024-024.	5.4	1
74	ESTIMATIONS OF THE DISTANCES OF STELLAR COLLAPSES IN THE GALAXY BY ANALYZING THE ENERGY SPECTRUM OF NEUTRINO BURSTS. International Journal of Modern Physics E, 2011, 20, 57-60.	1.0	0
75	Neutrino bursts from gravitational stellar collapses with LVD. Astrophysics and Space Sciences Transactions, 2011, 7, 49-52.	1.0	1
76	Status of supernova neutrino detectors. Journal of Physics: Conference Series, 2010, 203, 012077.	0.4	7
77	A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. Astroparticle Physics, 2010, 33, 108-129.	4.3	84
78	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.	4.3	270
79	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 29-39.	1.6	151
80	Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 239-246.	4.1	357
81	The fluorescence detector of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 227-251.	1.6	275
82	Direct measurement of the atmospheric neutron flux in the energy range 10â€“500MeV. Astroparticle Physics, 2010, 34, 225-229.	4.3	5
83	Performances and stability of a 2.4 ton Gd organic liquid scintillator target for Î½Ì„_edetection. Journal of Instrumentation, 2010, 5, P04001-P04001.	1.2	14
84	Searching for prompt signatures of nearby core-collapse supernovae by a joint analysis of neutrino and gravitational wave data. Classical and Quantum Gravity, 2010, 27, 084019.	4.0	28
85	Measurement of the Depth of Maximum of Extensive Air Showers above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>10</mml:mn><mml:mn>18</mml:mn></mml:msup><mml:mtext>â€‰</mml:mtext><mml:mt Physical Review Letters, 2010, 104, 091101.	7.8	429
86	Neutrinos from Supernovae as a Trigger for Gravitational Wave Search. Physical Review Letters, 2009, 103, 031102.	7.8	65
87	EVOLUTION OF THE COSMIC-RAY ANISOTROPY ABOVE 10 ¹⁴ eV. Astrophysical Journal, 2009, 692, L130-L133.	4.5	118
88	A low background facility inside the LVD detector at Gran Sasso. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 028-028.	5.4	1
89	EAS-TOP: The proton-air inelastic cross-section at. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 329-334.	0.4	0
90	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. Astroparticle Physics, 2009, 32, 89-99.	4.3	43

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91	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. Astroparticle Physics, 2009, 31, 399-406.	4.3	117
92	Measurement of the proton-air inelastic cross section at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>â‰ˆ</mml:mo><mml:mn>2</mml:mn><mml:mtext>â€‰ the EAS-TOP experiment. Physical Review D, 2009, 79, .	4.7	23
93	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	4.7	99
94	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	4.3	305
95	On-line recognition of supernova neutrino bursts in the LVD. Astroparticle Physics, 2008, 28, 516-522.	4.3	46
96	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. Astroparticle Physics, 2008, 29, 243-256.	4.3	161
97	Observation of the Suppression of the Flux of Cosmic Rays above<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mn>19</mml:mn></ Physical Review Letters, 2008, 101, 061101.	7.8	500
98	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	7.8	141
99	The LVD experiment as a low background facility in the Gran Sasso Laboratory. Journal of Physics: Conference Series, 2008, 136, 042082.	0.4	0
100	Search for neutrino bursts from stellar collapses into neutron stars or black holes with the LVD experiment at Gran Sasso. Journal of Physics: Conference Series, 2008, 136, 042074.	0.4	0
101	Updated results from the 3-ton Gd loaded liquid scintillator target after 2 years of data taking at LNGS. Journal of Physics: Conference Series, 2008, 120, 052035.	0.4	0
102	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	12.6	647
103	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. Astroparticle Physics, 2007, 27, 155-168.	4.3	90
104	First CNGS events detected by LVD. European Physical Journal C, 2007, 52, 849-855.	3.9	5
105	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. Astroparticle Physics, 2007, 27, 244-253.	4.3	51
106	Study of the effect of neutrino oscillations on the supernova neutrino signal in the LVD detector. Astroparticle Physics, 2007, 27, 254-270.	4.3	36
107	Angra dos Reis reactor neutrino oscillation experiment. Brazilian Journal of Physics, 2006, 36, 1118-1123.	1.4	11
108	CNGS beam monitor with the LVD detector. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 424-426.	0.4	0

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109	Study of the effect of neutrino oscillation on the supernova neutrino signal with the LVD detector. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 115-118.	0.4	3
110	The cosmic ray primary composition between 1015 and 1016 eV from Extensive Air Showers electromagnetic and TeV muon data. Astroparticle Physics, 2004, 20, 641-652.	4.3	71
111	The cosmic ray proton, helium and CNO fluxes in the 100 TeV energy region from TeV muons and EAS atmospheric Cherenkov light observations of MACRO and EAS-TOP. Astroparticle Physics, 2004, 21, 223-240.	4.3	47
112	CNGS beam monitor with the LVD detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 96-103.	1.6	6
113	Properties and performance of the prototype instrument for the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 50-95.	1.6	647
114	The cosmic ray primary composition in the â€œkneeâ€•region through the EAS electromagnetic and muon measurements at EAS-TOP. Astroparticle Physics, 2004, 21, 583-596.	4.3	81
115	SNEWS: the SuperNova Early Warning System. New Journal of Physics, 2004, 6, 114-114.	2.9	185
116	Search for low energy Î½ in correlation with the 8 events observed by the EXPLORER and NAUTILUS detectors in 2001. Astronomy and Astrophysics, 2004, 421, 399-405.	5.1	2
117	Low power high dynamic range photomultiplier bases for the surface detectors of the Pierre Auger observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 240-244.	1.6	10
118	Study of single muons with the Large Volume Detector at the Gran Sasso Laboratory. Physics of Atomic Nuclei, 2003, 66, 123-129.	0.4	17
119	Measurement of the cosmic ray hadron spectrum up to 30 TeV at mountain altitude: the primary proton spectrum. Astroparticle Physics, 2003, 19, 329-338.	4.3	32
120	Effects of neutrino oscillations on the supernova signal in LVD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 110, 410-413.	0.4	13
121	Determination of Z/Î² for strange quark matter candidates with CR-39 track detector. Radiation Measurements, 2001, 34, 255-258.	1.4	4
122	Upper limits to low energy $aru_mathrm{e}$ flux from GRB 990705. Astronomy and Astrophysics, 2001, 366, 573-577.	5.1	2
123	Search for EÎ³â©¾5Ã—1013 eV Î³-ray transients through the BAKSAN and EAS-TOP correlated data. Astroparticle Physics, 2000, 14, 189-200.	4.3	3
124	A new high-density detector for atmospheric neutrinos. Towards neutrino stoichiometry. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 58-63.	0.4	0
125	Study of the cosmic ray primary spectrum at 1015 < E0 < 1016 eV with the EAS-TOP array. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 318-323.	0.4	5
126	Baseline concept for a precise measurement of atmospheric neutrino oscillation. AIP Conference Proceedings, 2000, , .	0.4	0

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127	Upper limit on the prompt muon flux derived from the LVD underground experiment. Physical Review D, 1999, 60, .	4.7	24
128	The EAS size spectrum and the cosmic ray energy spectrum in the region 1015â€“1016 eV. Astroparticle Physics, 1999, 10, 1-9.	4.3	131
129	Effect of oxygen deficiency on response of CR-39 on board scientific balloons. Radiation Measurements, 1999, 31, 591-594.	1.4	7
130	Study of horizontal air showers from EAS-TOP: a possible tool for UHE neutrino detection?. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 509-511.	0.4	5
131	Studies of the knee in the electron and muon components of extensive air showers at EAS-TOP. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 251-255.	0.4	3
132	Detection of muon bundles at large zenith angles. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 318-320.	0.4	5
133	Future supernova neutrino detection. Nuclear Physics, Section B, Proceedings Supplements, 1999, 77, 435-439.	0.4	1
134	Study of jet production in pâ€“N interactions at GeV in EAS multicore events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 474-483.	4.1	4
135	The cosmic ray anisotropy at E0 > 100 TeV. Advances in Space Research, 1999, 23, 603-606.	2.6	0
136	The hadron calorimeter of EAS-TOP: operation, calibration and resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 420, 117-131.	1.6	13
137	Supernova neutrino detection with LVD. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 469-471.	0.4	8
138	Study of Markarian 421 in the Î³-ray energy range 30â€“100 TeV. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 506-508.	0.4	1
139	The proton attenuation length and the p-air inelastic cross section at âˆšs2 TeV from EAS-TOP. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 222-224.	0.4	9
140	Study of the c.r. composition and interaction at E0 = 10 â€“ 100 TeV from the observation of H.E. muons and atmospheric Cherenkov light in EAS. Nuclear Physics, Section B, Proceedings Supplements, 1999, 75, 259-261.	0.4	0
141	Search for high energy GRBs with EASTOP. Astronomy and Astrophysics, 1999, 138, 595-596.	2.1	6
142	The high energy muon spectrum in Extensive Air Showers: first data from LVD and EAS-TOP at Gran Sasso. Astroparticle Physics, 1998, 9, 185-192.	4.3	12
143	Muon â€œdepth-intensityâ€•relation measured by the LVD underground experiment and cosmic-ray muon spectrum at sea level. Physical Review D, 1998, 58, .	4.7	89
144	Multicomponent extensive air shower observations at EAS-TOP. Nuclear Physics, Section B, Proceedings Supplements, 1997, 54, 263-270.	0.4	3

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145	The shapes of the atmospheric Cherenkov light images from extensive air showers. Astroparticle Physics, 1997, 6, 143-153.	4.3	0
146	Upper limit on the solar antineutrino flux according to LSD data. JETP Letters, 1996, 63, 791-795.	1.4	13
147	Neutrino burst identification in underground detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 368, 512-516.	1.6	6
148	A limit to the rate of ultra high energy Î³-rays in the primary cosmic radiation. Astroparticle Physics, 1996, 6, 71-75.	4.3	36
149	Search for chaotic features in the arrival times of air showers. Europhysics Letters, 1996, 34, 231-236.	2.0	7
150	Search for Gamma-Ray Bursts at Photon Energies E >= 10 GeV and E >= 80 TeV. Astrophysical Journal, 1996, 469, 305.	4.5	13
151	A Measurement of the Solar and Sidereal Cosmic-Ray Anisotropy at E 0 approximately 10 14 eV. Astrophysical Journal, 1996, 470, 501.	4.5	59
152	Neutrino-induced and atmospheric single-muon fluxes measured over five decades of intensity by LVD at Gran Sasso Laboratory. Astroparticle Physics, 1995, 3, 311-320.	4.3	37
153	Search for Gamma Ray Bursts of energy EÎ³ â‰¥10 GeV and EÎ³ â‰¥ 100 TeV in correlation with BATSE events. Astrophysics and Space Science, 1995, 231, 351-354.	1.4	0
154	Search for low energy? e,?,? andv e,?,? in coincidence with BATSE gamma ray bursts. Astrophysics and Space Science, 1995, 231, 355-358.	1.4	2
155	Results on candidate UHE gamma-ray sources by the EAS-TOP array (1989â€“1993). Astroparticle Physics, 1995, 3, 1-15.	4.3	27
156	The LVD experiment at Gran Sasso. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1995, 18, 629-645.	0.2	3
157	Large-P T physics with cosmic-ray events. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1995, 18, 663-670.	0.2	6
158	Search for low-energy Î½e, Î¼, Ï„ and $$ar u _{e,mu ,au } $$ in coincidence with BATSE gamma-ray burstsin coincidence with BATSE gamma-ray bursts. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1995, 18, 457-462.	0.2	1
159	Search for fractionally charged particles in the Mont Blanc LSD scintillation detector. Astroparticle Physics, 1994, 2, 29-34.	4.3	16
160	Single muon angular distributions observed in the LVD particle astrophysics experiment. Astroparticle Physics, 1994, 2, 103-116.	4.3	14
161	The limit to the UHE extraterrestrial neutrino flux from the observations of horizontal air showers at EAS-TOP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 333, 555-560.	4.1	21
162	Study of the primary cosmic ray composition around the knee of the energy spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 376-382.	4.1	34

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163	Single muons in the large volume detector. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 240-242.	0.4	1
164	Multiple muon events observed in the LVD experiment. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 243-245.	0.4	5
165	Experimental EAS data relevant to underground physics: the EAS size spectrum and the rate of HAS as a limit to the astrophysical Î½-flux. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 254-256.	0.4	0
166	Multicomponent EAS observations from EAS-TOP and LVD at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 259-260.	0.4	1
167	Search for neutrinos from collapsing stars with the LVD at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 267-269.	0.4	1
168	UHE cosmic ray event reconstruction by the electromagnetic detector of EAS-TOP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 336, 310-321.	1.6	78
169	First results of a search for neutrinos from collapsing stars with the LVD at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 1993, 31, 450-455.	0.4	1
170	The EAS-TOP atmospheric-ÄŒerenkov-light telescope and its combined operation with the e.m. Detector. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1993, 16, 813-824.	0.2	9
171	Fractal behavior of cosmic ray time series: Chaos or stochasticity?. Journal of Geophysical Research, 1993, 98, 15241-15254.	3.3	12
172	The most powerful scintillator supernovae detector: LVD. Il Nuovo Cimento A, 1992, 105, 1793-1804.	0.2	107
173	EAS Cherenkov at Gran Sasso: correlated observations at the surface and with deep underground events. Il Nuovo Cimento A, 1992, 105, 1806-1813.	0.2	0
174	First observation of high-energy cosmic-ray events obtained in coincidence between EAS-TOP and LVD at Gran Sasso. Il Nuovo Cimento A, 1992, 105, 1815-1823.	0.2	6
175	EAS-TOP: Lateral and temporal characteristics of extensive air showers. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 713-722.	0.2	1
176	EAS-TOP: Results of the gamma-ray astronomy at 1014 eV. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 723-733.	0.2	1
177	The EAS-TOP calorimeter. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 735-741.	0.2	5
178	Search for cosmic Î³-ray bursts in the (1Ã·50) GeV energy range. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 441-446.	0.2	2
179	Imaging of atmospheric EAS Cherenkov light at EAS-TOP. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1992, 15, 357-363.	0.2	10
180	Measurement of electromagnetic and TEV muon components of extensive air showers by eas-top and MACRO experiments. Nuclear Physics, Section B, Proceedings Supplements, 1992, 28, 393-396.	0.4	0

#	Article	IF	Citations
181	Study of the low energy background radiation and the effects of the 222Rn in the LSD underground experiment. Nuclear Physics, Section B, Proceedings Supplements, 1992, 28, 430-434.	0.4	1
182	Limits on low-energy neutrino fluxes with the Mont Blanc liquid scintillator detector. Astroparticle Physics, 1992, 1, 1-9.	4.3	28
183	Search for 100 TeV gamma-ray emission from the Galactic disk. Astrophysical Journal, 1992, 397, 148.	4.5	12
184	Simulation of low-energy neutrino interactions in liquid scintillation counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 309, 569-574.	1.6	13
185	Search for Î½Î¼ and Î½Ï„ supernova neutrinos with massive liquid-scintillation detectors. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1991, 14, 631-637.	0.2	5
186	Search for strange-quark matter in galactic cosmic rays. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1991, 14, 639-648.	0.2	2
187	Coincidences among the data recorded by the baksan, kamioka and mont blanc underground neutrino detectors, and by the Maryland and Rome gravitational-wave detectors during Supernova 1987 A. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1991, 14, 171-193.	0.2	23
188	Correlation between the Maryland and Rome gravitational-wave detectors and the Mont Blanc, Kamioka and IMB particle detectors during SN 1987 A. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1257-1269.	0.2	8
189	Experimental Study of Upward Stopping Muons in NUSEX. Europhysics Letters, 1991, 15, 559-564.	2.0	21
190	Detection of the UHE Burst from the Crab Nebula on February 23, 1989, from the EAS-TOP Array. Europhysics Letters, 1991, 15, 81-86.	2.0	18
191	Large solar flares - Analysis of the events recorded by the Mont Blanc neutrino detector. Astrophysical Journal, 1991, 382, 344.	4.5	6
192	The EAS-TOP detector at Gran Sasso. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1990, 13, 353-364.	0.2	3
193	Neutrino astrophysics and SN 1987 A(*)(**). Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1990, 13, 365-374.	0.2	1
194	Search for neutrino oscillations with the LVD liquid scintillation component. Nuclear Physics, Section B, Proceedings Supplements, 1990, 14, 157-161.	0.4	0
195	Primary cosmic ray composition in the 1013 â€“ 1017 eV energy range from the analysis of multiple muon events in the NUSEX experiment. Nuclear Physics, Section B, Proceedings Supplements, 1990, 14, 193-203.	0.4	12
196	A study of the LSD-2 experiment background. Nuclear Physics, Section B, Proceedings Supplements, 1990, 14, 205-209.	0.4	2
197	Observation of excess muon events from the direction of Cygnus X-3 in the NUSEX experiment. Nuclear Physics, Section B, Proceedings Supplements, 1990, 14, 211-216.	0.4	0
198	The K+ recognition with large volume liquid scintillation counter. Nuclear Physics, Section B, Proceedings Supplements, 1990, 14, 217-222.	0.4	0

#	Article	IF	Citations
199	The EAS-TOP array at Gran Sasso: results of the electromagnetic detector. Nuclear Physics, Section B, Proceedings Supplements, 1990, 16, 493-494.	0.4	13
200	High modularity fast charge-time digitizer in neutrino burst detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 288, 529-535.	1.6	6
201	Simultaneous observation of extensive air showers and deep-underground muons at the Gran Sasso Laboratory. Physical Review D, 1990, 42, 1396-1403.	4.7	19
202	Experimental Study of Atmospheric Neutrino Flux in the NUSEX Experiment. Europhysics Letters, 1989, 8, 611-614.	2.0	205
203	Analysis of the data recorded by the Mont Blanc neutrino detector and by the Maryland and Rome gravitational-wave detectors during SN1987A. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1989, 12, 75-103.	0.2	60
204	Neutron flux generated by cosmic-ray mouns at 5200 hg/cm2 s.r. underground. Depth-neutron intensity curve. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1989, 12, 467-477.	0.2	47
205	The properties of the detection system of the LVD/UNO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 17-22.	1.6	2
206	The EAS-TOP array at : Stability and resolutions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 23-28.	1.6	68
207	The LVD experiment data acquisition system. IEEE Transactions on Nuclear Science, 1989, 36, 1635-1638.	2.0	2
208	The large-volume detector (LVD) - a multipurpose underground detector at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 11-16.	1.6	36
209	Correlation Analysis of the Data Recorded by the Baksan, Kamioka, and Mont Blanc Detectors during SN 1987A. Annals of the New York Academy of Sciences, 1989, 571, 584-593.	3.8	4
210	Data Analysis in Neutrino Astronomy. , 1989, , 405-411.		0
211	LVD at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 264, 5-17.	1.6	19
212	On the neutrino burst from SN 1987a detected in the Mt. Blanc LSD experiment. Nuclear Physics, Section B, Proceedings Supplements, 1988, 3, 453-462.	0.4	6
213	On the Neutrino Burst from SN1987A Detected in the Mt. Blanc LSD Experiment. , 1988, , 299-305.		0
214	Neutrino Outflow from Supernova 1987A Detected in the Mont Blanc Observatory. Astrophysics and Space Science Library, 1988, , 367-372.	2.7	0
215	On the Event Observed in the Mont Blanc Underground Neutrino Observatory during the Occurrence of Supernova 1987 a. Europhysics Letters, 1987, 3, 1315-1320.	2.0	195
216	Comments on the Two Events Observed in Neutrino Detectors during the Supernova 1987 a Outburst. Europhysics Letters, 1987, 3, 1321-1324.	2.0	35

#	Article	IF	Citations
217	Prompt-muon production in cosmic rays. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1987, 10, 465-476.	0.2	39
218	Results of the liquid scintillation detector of the Mont Blanc Laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 185-195.	0.2	24
219	The large-volume detector (LVD) of the Gran Sasso Laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 237-261.	0.2	30
220	High-energy cosmic-ray physics with an EAS array on the top of the Gran Sasso Laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 262-270.	0.2	37
221	Low-energy neutral-particle detection in the Mont Blanc LSD experiment. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 271-280.	0.2	4
222	Monopole search with the Mont Blanc LSD experiment. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1986, 9, 588-597.	0.2	3
223	Low Energy Neutrino Detection with the Mont Blanc LSD Experiment. , 1986, , 741-744.		2
224	The 90 ton liquid scintillation detector in the Mont Blanc laboratory. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1984, 7, 573-590.	0.2	66
225	Time distribution of muon Pairs detected at 40 m.w.e. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1982, 34, 529-532.	0.4	0
226	Application and modeling of an online distillation method to reduce krypton and argon in XENON1T. Progress of Theoretical and Experimental Physics, 0, , .	6.6	4