Gabriele Sirri

List of Publications by Year
in descending order

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63	2,660	147566	182168
papers	citations	31 h-index	51 g-index

64	64	64	2796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Î¼</mml:mi></mml:msub><mml:mo>â†’</mml:mo><mml:msub><mml:mi> in the CNGS neutrino beam with the OPERA experiment. Physical Review D, 2014, 89, .	1.6	58
2	Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. European Physical Journal C, 2014, 74, 1.	1.4	21
3	Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. European Physical Journal C, 2014, 74, 1.	1.4	31
4	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. Journal of High Energy Physics, 2013, 2013, 1.	1.6	21
5	Addendum: search for Î½ Î¼ â†’ Î½ e oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	1.6	6
6	Search for Î½ Î¼ â†’ Î½ e oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
7	CP violation and mass hierarchy at medium baselines in the large Î¸13 era. European Physical Journal C, 2013, 73, 1.	1.4	5
8	New results on Î½ Î¼ â†’ Î½ Ï„ appearance with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	1.6	51
9	A fast automatic plate changer for the analysis of nuclear emulsions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 716, 96-100.	0.7	2
10	An integrated system for large scale scanning of nuclear emulsions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 204-212.	0.7	13
11	Search forÎ½_{Î¼}â†’Î½_{Ï„}oscillation with the OPERA experiment in the CNGS beam. New Journal of Physics, 2012, 14, 033017.	1.2	18
12	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. Journal of High Energy Physics, 2012, 2012, 1.	1.6	116
13	Determination of a time-shift in the OPERA set-up using high-energy horizontal muons in the LVD and OPERA detectors. European Physical Journal Plus, 2012, 127, 1.	1.2	10
14	Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. New Journal of Physics, 2012, 14, 013026.	1.2	64
15	Study of neutrino interactions with the electronic detectors of the OPERA experiment. New Journal of Physics, 2011, 13, 053051.	1.2	44
16	Measurement of the atmospheric muon charge ratio withÂtheÂOPERA detector. European Physical Journal C, 2010, 67, 25-37.	1.4	26
17	Observation of a first <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Ï„</mml:mi></mml:msub></mml:math> candidate event in the OPERA experiment in the CNGS beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 691, 138-145.	1.5	173
18	Measurement of cosmic ray elemental composition from the CAKE balloon experiment. Advances in Space Research, 2010, 46, 1382-1387.	1.2	3

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19	Measurement of low-energy neutrino cross-sections with the PEANUT experiment. New Journal of Physics, 2010, 12, 113028.	1.2	4
20	The OPERA experiment in the CERN to Gran Sasso neutrino beam. Journal of Instrumentation, 2009, 4, P04018-P04018.	0.5	195
21	The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment. Journal of Instrumentation, 2009, 4, P06020-P06020.	0.5	41
22	Magnetic monopole search at high altitude with the SLIM experiment. Radiation Measurements, 2009, 44, 889-893.	0.7	2
23	Fragmentation cross-sections of Fe26+, Si14+ and C6+ ions of 0.3Ã·10AGeV on polyethylene, CR-39 and aluminum targets. Radiation Measurements, 2009, 44, 853-856.	0.7	9
24	Search for strange quark matter and Q-balls with the SLIM experiment. Radiation Measurements, 2009, 44, 894-897.	0.7	12
25	Time variations in the deep underground muon flux. Europhysics Letters, 2009, 87, 39001.	0.7	2
26	Fragmentation cross sections of Fe26+, Si14+ and C6+ ions of 0.3â€“10 on polyethylene, CR39 and aluminum targets. Nuclear Physics A, 2008, 807, 206-213.	0.6	50
27	Magnetic monopole search at high altitude with the SLIM experiment. European Physical Journal C, 2008, 55, 57-63.	1.4	44
28	Results of the search for strange quark matter and Q-balls withÂthe SLIM experiment. European Physical Journal C, 2008, 57, 525-533.	1.4	37
29	High-speed analysis of nuclear emulsion films with the use of dry objective lenses. Journal of Instrumentation, 2008, 3, P04006-P04006.	0.5	16
30	Study of the effects induced by lead on the emulsion films of the OPERA experiment. Journal of Instrumentation, 2008, 3, P07002-P07002.	0.5	11
31	Emulsion sheet doublets as interface trackers for the OPERA experiment. Journal of Instrumentation, 2008, 3, P07005-P07005.	0.5	30
32	The CNGS neutrino beam. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 149-151.	0.5	1
33	Bulk etch rate measurements and calibrations of plastic nuclear track detectors. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 254-258.	0.6	44
34	Fast automated scanning of OPERA emulsion films. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 324-326.	0.5	32
35	First events from the CNGS neutrino beam detected in the OPERA experiment. New Journal of Physics, 2006, 8, 303-303.	1.2	88
36	A new automatic microscope for high-speed nuclear emulsion analysis of the OPERA experiment. Journal of Physics: Conference Series, 2006, 41, 225-232.	0.3	0

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37	The FEDRAâ€"Framework for emulsion data reconstruction and analysis in the OPERA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 103-105.	0.7	39
38	Hardware performance of a scanning system for high speed analysis of nuclear emulsions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 578-587.	0.7	88
39	Search for a Lorentz invariance violation contribution in atmospheric neutrino oscillations using MACRO data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 615, 14-18.	1.5	36
40	High-speed particle tracking in nuclear emulsion by last-generation automatic microscopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 551, 261-270.	0.7	108
41	Time correlations of high energy muons in an underground detector. Astroparticle Physics, 2005, 23, 341-348.	1.9	3
42	High precision measurements with nuclear emulsions using fast automated microscopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 554, 247-254.	0.7	46
43	Search for stellar gravitational collapses with the MACRO detector. European Physical Journal C, 2004, 37, 265-272.	1.4	9
44	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.	1.9	71
45	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.	1.9	47
46	Atmospheric muon flux measurements at the external site of the Gran Sasso Lab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 485-495.	0.7	15
47	Momentum measurement by the angular method in the Emulsion Cloud Chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 512, 539-545.	0.7	46
48	Calibrations of CR39 and Makrofol nuclear track detectors and search for exotic particles. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 217-221.	0.5	1
49	Moon and Sun shadowing effect in the MACRO detector. Astroparticle Physics, 2003, 20, 145-156.	1.9	29
50	Atmospheric neutrino oscillations from upward throughgoing muon multiple scattering in MACRO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 566, 35-44.	1.5	97
51	Automatic scanning of emulsion films. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 22-26.	0.5	10
52	Search for cosmic ray sources using muons detected by the MACRO experiment. Astroparticle Physics, 2003, 18, 615-627.	1.9	9
53	Search for diffuse neutrino flux from astrophysical sources with MACRO. Astroparticle Physics, 2003, 19, 1-13.	1.9	35
54	Measurement of the residual energy of muons in the Gran Sasso underground laboratories. Astroparticle Physics, 2003, 19, 313-328.	1.9	32

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55	Search for the sidereal and solar diurnal modulations in the total MACRO muon data set. Physical Review D, 2003, 67, .	1.6	52
56	A combined analysis technique for the search for fast magnetic monopoles with the MACRO detector. Astroparticle Physics, 2002, 18, 27-41.	1.9	9
57	The MACRO detector at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 486, 663-707.	0.7	60
58	Muon energy estimate through multiple scattering with the MACRO detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 492, 376-386.	0.7	18
59	Fragmentation cross sections of 158AGeV Pb ions in various targets measured with CR39 nuclear track detectors. Nuclear Physics A, 2002, 707, 513-524.	0.6	30
60	Search for nucleon decays induced by GUT magnetic monopoles with the MACRO experiment. European Physical Journal C, 2002, 26, 163-172.	1.4	28
61	Final results of magnetic monopole searches with the MACRO experiment. European Physical Journal C, 2002, 25, 511-522.	1.4	158
62	Matter effects in upward-going muons and sterile neutrino oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 59-66.	1.5	151
63	Low energy atmospheric muon neutrinos in MACRO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 5-13.	1.5	73