Francesco Cafagna

List of Publications by Citations

306 papers	11,399 citations	52 h-index	101 g-index
333 ext. papers	12,366 ext. citations	2.9 avg, IF	4.3 L-index

#	Paper	IF	Citations
306	An anomalous positron abundance in cosmic rays with energies 1.5-100 GeV. *Nature*, **2009**, 458, 607-9	50.4	1570
305	PAMELA measurements of cosmic-ray proton and helium spectra. *Science*, **2011**, 332, 69-72	33.3	574
304	New measurement of the antiproton-to-proton flux ratio up to 100 GeV in the cosmic radiation. *Physical Review Letters*, **2009**, 102, 051101	7.4	409
303	PAMELA results on the cosmic-ray antiproton flux from 60 MeV to 180 GeV in kinetic energy. *Physical Review Letters*, **2010**, 105, 121101	7.4	396
302	PAMELA □A payload for antimatter matter exploration and light-nuclei astrophysics. *Astroparticle Physics*, **2007**, 27, 296-315	2.4	317
301	Measurement of the atmospheric neutrino-induced upgoing muon flux using MACRO. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1998**, 434, 451-457	4.2	294
300	Cosmic-ray electron flux measured by the PAMELA experiment between 1 and 625 GeV. *Physical Review Letters*, **2011**, 106, 201101	7.4	239
299	Cosmic-ray positron energy spectrum measured by PAMELA. *Physical Review Letters*, **2013**, 111, 081102	7.4	203
298	First measurement of the total proton-proton cross-section at the LHC energy of chem{sqrt{s} = 7,TeV}. *Europhysics Letters*, **2011**, 96, 21002	1.6	196
297	The Cosmic-Ray Electron and Positron Spectra Measured at 1 AU during Solar Minimum Activity. *Astrophysical Journal*, **2000**, 532, 653-669	4.7	195
296	TIME DEPENDENCE OF THE PROTON FLUX MEASURED BY PAMELA DURING THE 2006 JULY-2009 DECEMBER SOLAR MINIMUM. *Astrophysical Journal*, **2013**, 765, 91	4.7	189
295	The Cosmic-Ray Proton and Helium Spectra between 0.4 and 200 GV. *Astrophysical Journal*, **1999**, 518, 457-472	4.7	164
294	The Cosmic-Ray Antiproton Flux between 3 and 49 GeV. *Astrophysical Journal*, **2001**, 561, 787-799	4.7	153
293	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	4.2	144
292	Measurement of proton-proton elastic scattering and total cross-section at chem{sqrt {s} = 7,TeV}. *Europhysics Letters*, **2013**, 101, 21002	1.6	135
291	The ANTARES optical module. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2002**, 484, 369-383	1.2	134
290	Luminosity-independent measurement of the proton-proton total cross section at □=8 TeV. *Physical Review Letters*, **2013**, 111, 012001	7.4	131

289	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. *Physics Reports*, **2014**, 544, 323-370	27.7	129
288	Final results of magnetic monopole searches with the MACRO experiment. *European Physical Journal C*, **2002**, 25, 511-522	4.2	129
287	Vertical muon intensity measured with MACRO at the Gran Sasso laboratory. *Physical Review D*, **1995**, 52, 3793-3802	4.9	129
286	Luminosity-independent measurements of total, elastic and inelastic cross-sections at chem{sqrt {s} = 7,TeV}. *Europhysics Letters*, **2013**, 101, 21004	1.6	125
285	First supermodule of the MACRO detector at Gran Sasso. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1993**, 324, 337-362	1.2	125
284	A statistical procedure for the identification of positrons in the PAMELA experiment. *Astroparticle Physics*, **2010**, 34, 1-11	2.4	122
283	The Cosmic-Ray Antiproton Flux between 0.62 and 3.19 GeV Measured Near Solar Minimum Activity. *Astrophysical Journal*, **1997**, 487, 415-423	4.7	117
282	Proton-proton elastic scattering at the LHC energy of chem{sqrt{s} = 7,TeV}. *Europhysics Letters*, **2011**, 95, 41001	1.6	115
281	The data acquisition system for the ANTARES neutrino telescope. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 570, 107-116	1.2	113
280	Physics potential of a long-baseline neutrino oscillation experiment using a J-PARC neutrino beam and Hyper-Kamiokande. *Progress of Theoretical and Experimental Physics*, **2015**, 2015, 53C02-0	5.4	109
279	The cosmic-ray proton and helium spectra measured with the CAPRICE98 balloon experiment. *Astroparticle Physics*, **2003**, 19, 583-604	2.4	108
278	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. *Astrophysical Journal*, **2014**, 791, 93	4.7	104
277	Measurements of Ground-Level Muons at Two Geomagnetic Locations. *Physical Review Letters*, **1999**, 83, 4241-4244	7.4	104
276	Seasonal variations in the underground muon intensity as seen by MACRO. *Astroparticle Physics*, **1997**, 7, 109-124	2.4	93
275	Measurements of the absolute energy spectra of cosmic-ray positrons and electrons above 7 GeV. *Astronomy and Astrophysics*, **2002**, 392, 287-294	5.1	93
274	Measurement of the flux of primary cosmic ray antiprotons with energies of 60 MeV to 350 GeV in the PAMELA experiment. *JETP Letters*, **2013**, 96, 621-627	1.2	91
273	Measurements of atmospheric muon neutrino oscillations, global analysis of the data collected with MACRO detector. *European Physical Journal C*, **2004**, 36, 323-339	4.2	90
272	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	4.2	88

271	An evaluation of the exposure in nadir observation of the JEM-EUSO mission. *Astroparticle Physics*, **2013**, 44, 76-90	2.4	84
270	Atmospheric neutrino flux measurement using upgoing muons. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1995**, 357, 481-486	4.2	80
269	Transmission of light in deep sea water at the site of the Antares neutrino telescope. *Astroparticle Physics*, **2005**, 23, 131-155	2.4	79
268	Evidence for non-exponential elastic proton□proton differential cross-section at low |t| and s=8TeV by TOTEM. *Nuclear Physics B*, **2015**, 899, 527-546	2.8	76
267	The TOTEM Experiment at the CERN Large Hadron Collider. *Journal of Instrumentation*, **2008**, 3, S08007-S08007	3	76
266	First results of the Instrumentation Line for the deep-sea ANTARES neutrino telescope. *Astroparticle Physics*, **2006**, 26, 314-324	2.4	76
265	Limits on dark matter WIMPs using upward-going muons in the MACRO detector. *Physical Review D*, **1999**, 60,	4.9	70
264	OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV n□-3 GeV n□RANGE FROM SPACE WITH THE PAMELA DETECTOR. *Astrophysical Journal*, **2011**, 742, 102	4.7	69
263	Low energy atmospheric muon neutrinos in MACRO. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2000**, 478, 5-13	4.2	69
262	Measurement of elastic pp scattering at (sqrt{hbox {s}} = hbox {8}) TeV in the Coulomb□nuclear interference region: determination of the (mathbf {rho })-parameter and the total cross-section. *European Physical Journal C*, **2016**, 76, 1	4.2	66
261	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	2.4	64
260	Study of large hemispherical photomultiplier tubes for the ANTARES neutrino telescope. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2005**, 555, 132-141	1.2	61
259	Balloon measurements of cosmic ray muon spectra in the atmosphere along with those of primary protons and helium nuclei over midlatitude. *Physical Review D*, **1999**, 60,	4.9	61
258	Neutrino Astronomy with the MACRO Detector. *Astrophysical Journal*, **2001**, 546, 1038-1054	4.7	60
257	Deep seawater inherent optical properties in the Southern Ionian Sea. *Astroparticle Physics*, **2007**, 27, 1-9	2.4	57
256	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	1.2	56
255	Absolute spectrum and charge ratio of cosmic ray muons in the energy region from 0.2 GeV to 100 GeV at 600 m above sea level. *Journal of Geophysical Research*, **1993**, 98, 3501-3507		55
254	Measurement of proton-proton inelastic scattering cross-section at chem{sqrt {s} = 7,{mathrm {TeV}}}. *Europhysics Letters*, **2013**, 101, 21003	1.6	51

253	The ANTARES optical beacon system. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 578, 498-509	1.2	49
252	First measurement of elastic, inelastic and total cross-section at (sqrt{s}=13) TeV by TOTEM and overview of cross-section data at LHC energies. *European Physical Journal C*, **2019**, 79, 1	4.2	47
251	Sedimentation and fouling of optical surfaces at the ANTARES site. *Astroparticle Physics*, **2003**, 19, 253-267	2.4	46
250	Search for the sidereal and solar diurnal modulations in the total MACRO muon data set. *Physical Review D*, **2003**, 67,	4.9	44
249	Time Dependence of the Electron and Positron Components of the Cosmic Radiation Measured by the PAMELA Experiment between July 2006 and December 2015. *Physical Review Letters*, **2016**, 116, 241105	7.4	43
248	TIME DEPENDENCE OF THEe FLUX MEASURED BYPAMELADURING THE 2006 JULY 2009 DECEMBER SOLAR MINIMUM. *Astrophysical Journal*, **2015**, 810, 142	4.7	43
247	MEASUREMENTS OF COSMIC-RAY HYDROGEN AND HELIUM ISOTOPES WITH THEPAMELAEXPERIMENT. *Astrophysical Journal*, **2016**, 818, 68	4.7	42
246	Latitudinal and radial gradients of galactic cosmic ray protons in the inner heliosphere PAMELA and Ulysses observations. *Astrophysics and Space Sciences Transactions*, **2011**, 7, 425-434		42
245	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	2.4	42
244	Proton Fluxes Measured by the PAMELA Experiment from the Minimum to the Maximum Solar Activity for Solar Cycle 24. *Astrophysical Journal Letters*, **2018**, 854, L2	7.9	41
243	Physics potentials with the second Hyper-Kamiokande detector in Korea. *Progress of Theoretical and Experimental Physics*, **2018**, 2018,	5.4	41
242	The PAMELA space experiment. *Advances in Space Research*, **2013**, 51, 209-218	2.4	40
241	Solar Energetic Particle Events Observed by the PAMELA Mission. *Astrophysical Journal*, **2018**, 862, 97	4.7	39
240	Study of penetrating cosmic ray muons and search for large scale anisotropies at the Gran Sasso Laboratory. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 249, 149-156	4.2	39
239	The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	37
238	Measurement of pseudorapidity distributions of charged particles in proton proton collisions at (sqrt{s} = 8) TeV by the CMS and TOTEM experiments. *European Physical Journal C*, **2014**, 74, 1	4.2	37
237	Measurements of cosmic-ray electrons and positrons by the Wizard/CAPRICE collaboration. *Advances in Space Research*, **2001**, 27, 669-674	2.4	37
236	The observation of up-going charged particles produced by high energy muons in underground detectors. *Astroparticle Physics*, **1998**, 9, 105-117	2.4	35

235	The JEM-EUSO instrument. *Experimental Astronomy*, **2015**, 40, 19-44	1.3	33
234	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. *Advances in Space Research*, **2013**, 51, 219-226	2.4	33
233	MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. *Astrophysical Journal*, **2013**, 770, 2	4.7	33
232	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. *Astrophysical Journal Letters*, **2011**, 737, L29	7.9	33
231	Launch of the space experiment PAMELA. *Advances in Space Research*, **2008**, 42, 455-466	2.4	33
230	Study of the ultrahigh-energy primary-cosmic-ray composition with the MACRO experiment. *Physical Review D*, **1992**, 46, 895-902	4.9	33
229	Search for diffuse neutrino flux from astrophysical sources with MACRO. *Astroparticle Physics*, **2003** , 19, 1-13	2.4	32
228	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	4.2	32
227	The JEM-EUSO mission: An introduction. *Experimental Astronomy*, **2015**, 40, 3-17	1.3	29
226	The PAMELA experiment in space. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 461, 262-268	1.2	29
225	PAMELA and indirect dark matter searches. *New Journal of Physics*, **2009**, 11, 105023	2.9	28
224	Experiment NINA: investigation of low energy nuclear fluxes in the near-Earth space. *Astroparticle Physics*, **1997**, 8, 109-121	2.4	28
223	Status of NEMO. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2006**, 567, 444-451	1.2	27
222	The PAMELA experiment on satellite and its capability in cosmic rays measurements. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2002**, 478, 114-118	1.2	27
221	Measurement of the residual energy of muons in the Gran Sasso underground laboratories. *Astroparticle Physics*, **2003**, 19, 313-328	2.4	27
220	New Measurement of the Flux of Atmospheric Muons. *Physical Review Letters*, **1999**, 82, 4757-4760	7.4	27
219	Search for nuclearites using the MACRO detector. *Physical Review Letters*, **1992**, 69, 1860-1863	7.4	27
218	Double diffractive cross-section measurement in the forward region at the LHC. *Physical Review Letters*, **2013**, 111, 262001	7.4	26

217	First Mass-resolved Measurement of High-Energy Cosmic-Ray Antiprotons. *Astrophysical Journal*, **2000**, 534, L177-L180	4.7	26
216	Search for slowly moving magnetic monopoles with the MACRO detector. *Physical Review Letters*, **1994**, 72, 608-612	7.4	26
215	Measurement of the decoherence function with the MACRO detector at Gran Sasso. *Physical Review D*, **1992**, 46, 4836-4845	4.9	26
214	High energy cosmic ray physics with underground muons in MACRO. II. Primary spectra and composition. *Physical Review D*, **1997**, 56, 1418-1436	4.9	25
213	Energy spectra of atmospheric muons measured with the CAPRICE98 balloon experiment. *Physical Review D*, **2003**, 67,	4.9	25
212	Measurement of the energy spectrum of underground muons at Gran Sasso with a transition radiation detector. *Astroparticle Physics*, **1999**, 10, 11-20	2.4	25
211	PAMELA MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. *Astrophysical Journal Letters*, **2015**, 801, L3	7.9	23
210	Performance of the MACRO streamer tube system in the search for magnetic monopoles. *Astroparticle Physics*, **1995**, 4, 33-43	2.4	23
209	Measurement of the negative muon spectrum between 0.3 and 40 GeV/c in the atmosphere. *Physical Review D*, **1996**, 53, 35-43	4.9	23
208	Muon astronomy with the MACRO detector. *Astrophysical Journal*, **1993**, 412, 301	4.7	23
207	Search for nucleon decays induced by GUT magnetic monopoles with the MACRO experiment. *European Physical Journal C*, **2002**, 26, 163-172	4.2	22
206	Moon and Sun shadowing effect in the MACRO detector. *Astroparticle Physics*, **2003**, 20, 145-156	2.4	22
205	Search for neutrino bursts from collapsing stars with the MACRO detector. *Astroparticle Physics*, **1992**, 1, 11-25	2.4	22
204	The EUSO-Balloon pathfinder. *Experimental Astronomy*, **2015**, 40, 281-299	1.3	21
203	Improvements in the CR39 polymer for the macro experiment at the Gran Sasso Laboratory. *International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements*, **1991**, 19, 641-646		21
202	In-Orbit Performance of the Space Telescope NINA and Galactic Cosmic-Ray Flux Measurements. *Astrophysical Journal, Supplement Series*, **2001**, 132, 365-375	8	21
201	Magnetic monopole search with the MACRO detector at Gran Sasso. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1997**, 406, 249-255	4.2	20
200	Sensitivity of an underwater Čerenkov km3 telescope to TeV neutrinos from Galactic microquasars. *Astroparticle Physics*, **2007**, 28, 1-9	2.4	20

199	High statistics measurement of the underground muon pair separation at Gran Sasso. *Physical Review D*, **1999**, 60,	4.9	20
198	JEM-EUSO: Meteor and nuclearite observations. *Experimental Astronomy*, **2015**, 40, 253-279	1.3	19
197	The JEM-EUSO mission. *Advances in Space Research*, **2014**, 53, 1499-1505	2.4	19
196	Elastic Scattering and Total Cross-Section in p+p ReactionsAs Measured by the LHC Experiment TOTEM at = 7 TeV. *Progress of Theoretical Physics Supplement*, **2012**, 193, 180-183		19
195	The Space Experiment PAMELA. *Nuclear Physics, Section B, Proceedings Supplements*, **2004**, 134, 39-46		19
194	High-Energy Deuteron Measurement with the CAPRICE98 Experiment. *Astrophysical Journal*, **2004**, 615, 259-274	4.7	19
193	Evidence of Energy and Charge Sign Dependence of the Recovery Time for the 2006 December Forbush Event Measured by the PAMELA Experiment. *Astrophysical Journal*, **2018**, 853, 76	4.7	18
192	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. *Astrophysical Journal Letters*, **2015**, 799, L4	7.9	18
191	Measurement of the forward charged-particle pseudorapidity density in pp collisions at = 7 TeV with the TOTEM experiment. *Europhysics Letters*, **2012**, 98, 31002	1.6	18
190	Performance of the CAPRICE RICH detector during the 1994 balloon flight. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1996**, 371, 169-173	1.2	18
189	Performance and air-shower reconstruction techniques for the JEM-EUSO mission. *Advances in Space Research*, **2014**, 53, 1515-1535	2.4	17
188	Measurements of quasi-trapped electron and positron fluxes with PAMELA. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		17
187	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	1.2	17
186	CAPRICE98: A balloon borne magnetic spectrometer to study cosmic ray antimatter and composition at different atmospheric depths. *Nuclear Physics, Section B, Proceedings Supplements*, **1999**, 78, 32-37		17
185	The space telescope NINA: results of a beam test calibration. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1999**, 424, 414-424	1.2	17
184	Reentrant albedo proton fluxes measured by the PAMELA experiment. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3728-3738	2.6	16
183	Real time supernova neutrino burst detection with MACRO. *Astroparticle Physics*, **1998**, 8, 123-133	2.4	16
182	Simultaneous observation of extensive air showers and deep-underground muons at the Gran Sasso Laboratory. *Physical Review D*, **1990**, 42, 1396-1403	4.9	16

181	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. *Advances in Space Research*, **2015**, 55, 2940-2945	2.4	15
180	PAMELA's measurements of geomagnetic cutoff variations during the 14 December 2006 storm. *Space Weather*, **2016**, 14, 210-220	3.7	15
179	High energy cosmic ray physics with underground muons in MACRO. I. Analysis methods and experimental results. *Physical Review D*, **1997**, 56, 1407-1417	4.9	15
178	Isotope composition of secondary hydrogen and helium above the atmosphere measured by the instruments NINA and NINA-2. *Journal of Geophysical Research*, **2003**, 108,		15
177	Diamond detectors for the TOTEM timing upgrade. *Journal of Instrumentation*, **2017**, 12, P03007-P03007	1	14
176	PERFORMANCE OF THE TOTEM DETECTORS AT THE LHC. *International Journal of Modern Physics A*, **2013**, 28, 1330046	1.2	14
175	Search for lightly ionizing particles with the MACRO detector. *Physical Review D*, **2000**, 62,	4.9	14
174	A transition radiation detector for positron identification in a balloon-borne particle astrophysics experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 357, 588-600	1.2	14
173	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
172	Ground-based tests of JEM-EUSO components at the Telescope Array site, EUSO-TA *Experimental Astronomy*, **2015**, 40, 301-314	1.3	13
171	Upper limit on the antihelium flux in primary cosmic rays. *JETP Letters*, **2011**, 93, 628-631	1.2	13
170	A high rejection transition radiation detector prototype to distinguish positrons from protons in a cosmic ray space laboratory. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1992**, 313, 295-302	1.2	13
169	JEM-EUSO observational technique and exposure. *Experimental Astronomy*, **2015**, 40, 117-134	1.3	12
168	New upper limit on strange quark matter abundance in cosmic rays with the PAMELA space experiment. *Physical Review Letters*, **2015**, 115, 111101	7.4	12
167	EUSO-TA First results from a ground-based EUSO telescope. *Astroparticle Physics*, **2018**, 102, 98-111	2.4	12
166	Lithium and Beryllium Isotopes with the PAMELA Experiment. *Astrophysical Journal*, **2018**, 862, 141	4.7	11
165	Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 315-326	1.3	11
164	The TOTEM detector at LHC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2010**, 617, 62-66	1.2	11

163	Studies of a full-scale mechanical prototype line for the ANTARES neutrino telescope and tests of a prototype instrument for deep-sea acoustic measurements. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 581, 695-708	1.2	11
162	NEMO: Status of the Project. *Nuclear Physics, Section B, Proceedings Supplements*, **2004**, 136, 61-68		11
161	A large area transition radiation detector to measure the energy of muons in the Gran Sasso underground laboratory. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 365, 214-223	1.2	11
160	Meteor studies in the framework of the JEM-EUSO program. *Planetary and Space Science*, **2017**, 143, 245-255	2	10
159	Geomagnetically trapped, albedo and solar energetic particles: Trajectory analysis and flux reconstruction with PAMELA. *Advances in Space Research*, **2017**, 60, 788-795	2.4	10
158	Study of the combined particle identification capability of a transition radiation detector and a silicon imaging calorimeter during the TS93 balloon flight. *Astroparticle Physics*, **1997**, 7, 219-230	2.4	10
157	NEMO: A PROJECT FOR A KM3 UNDERWATER DETECTOR FOR ASTROPHYSICAL NEUTRINOS IN THE MEDITERRANEAN SEA. *International Journal of Modern Physics A*, **2007**, 22, 3509-3520	1.2	10
156	Cosmic ray oriented performance studies for the JEM-EUSO first level trigger. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2017**, 866, 150-163	1.2	9
155	Measurement of the forward charged particle pseudorapidity density in pp collisions at (sqrt{s} = 8) TeV using a displaced interaction point. *European Physical Journal C*, **2015**, 75, 1	4.2	9
154	In-flight performances of the PAMELA satellite experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2008**, 588, 259-266	1.2	9
153	A combined analysis technique for the search for fast magnetic monopoles with the MACRO detector. *Astroparticle Physics*, **2002**, 18, 27-41	2.4	9
152	Observation of the shadowing of cosmic rays by the Moon using a deep underground detector. *Physical Review D*, **1998**, 59,	4.9	9
151	WiZard Si?W imaging calorimeter: a preliminary study on its particle identification capability during a balloon flight in 1993. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 360, 17-21	1.2	9
150	A transition radiation detector prototype to measure the energy of muons in cosmic ray laboratories. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1991**, 305, 192-199	1.2	9
149	First observations of speed of light tracks by a fluorescence detector looking down on the atmosphere. *Journal of Instrumentation*, **2018**, 13, P05023-P05023	1	9
148	Time Dependence of the Flux of Helium Nuclei in Cosmic Rays Measured by the PAMELA Experiment between 2006 July and 2009 December. *Astrophysical Journal*, **2020**, 893, 145	4.7	8
147	Observation of extensive air showers in cloudy conditions by the JEM-EUSO Space Mission. *Advances in Space Research*, **2014**, 53, 1536-1543	2.4	8
146	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. *Astrophysical Journal*, **2015**, 811, 21	4.7	8

145	A balloon-borne prototype for demonstrating the concept of JEM-EUSO. *Advances in Space Research*, **2014**, 53, 1544-1550	2.4	8
144	Cosmic ray measurements with Pamela experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 190, 293-299		8
143	Search for cosmic ray sources using muons detected by the MACRO experiment. *Astroparticle Physics*, **2003**, 18, 615-627	2.4	8
142	The JEM-EUSO observation in cloudy conditions. *Experimental Astronomy*, **2015**, 40, 135-152	1.3	7
141	The atmospheric monitoring system of the JEM-EUSO instrument. *Experimental Astronomy*, **2015**, 40, 45-60	1.3	7
140	Performances of JEM-EUSO: angular reconstruction. *Experimental Astronomy*, **2015**, 40, 153-177	1.3	7
139	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. *Astrophysical Journal Letters*, **2018**, 852, L28	7.9	7
138	Cosmic Ray Study with the PAMELA Experiment. *Journal of Physics: Conference Series*, **2013**, 409, 012003	0.3	7
137	The PAMELA space experiment: first year of operation. *Journal of Physics: Conference Series*, **2008**, 110, 062002	0.3	7
136	Search for stellar gravitational collapses with the MACRO detector. *European Physical Journal C*, **2004**, 37, 265-272	4.2	7
135	PAMELA: a satellite experiment for antiparticles measurement in cosmic rays. *IEEE Transactions on Nuclear Science*, **2004**, 51, 854-859	1.7	7
134	Performance of the CAPRICE98 balloon-borne gas-RICH detector. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 463, 161-174	1.2	7
133	Feasibility studies for a Mediterranean neutrino observatory the NEMO.RD Project. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 87, 433-435		7
132	Mini-EUSO Mission to Study Earth UV Emissions on board the ISS. *Astrophysical Journal, Supplement Series*, **2021**, 253, 36	8	7
131	Performances of JEM-EUSO: energy and X max reconstruction. *Experimental Astronomy*, **2015**, 40, 183-214	1.3	6
130	LHC optics measurement with proton tracks detected by the Roman pots of the TOTEM experiment. *New Journal of Physics*, **2014**, 16, 103041	2.9	6
129	Geomagnetically trapped light isotopes observed with the detector NINA. *Journal of Geophysical Research*, **2002**, 107, SMP 8-1-SMP 8-8		6
128	Identification of cosmic ray electrons and positrons by neural networks. *Astroparticle Physics*, **1996**, 5, 111-117	2.4	6

127	Arrival time distributions of very high energy cosmic ray muons in MACRO. *Nuclear Physics B*, **1992**, 370, 432-444	2.8	6
126	Science of atmospheric phenomena with JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 239-251	1.3	5
125	The JEM-EUSO time synchronization system. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 718, 248-250	1.2	5
124	Calibration aspects of the JEM-EUSO mission. *Experimental Astronomy*, **2015**, 40, 91-116	1.3	5
123	Calibration for extensive air showers observed during the JEM-EUSO mission. *Advances in Space Research*, **2014**, 53, 1506-1514	2.4	5
122	Solar modulation of the spectra of protons and helium nuclei in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 779-781	0.4	5
121	The PAMELA space mission. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 296-298		5
120	Cosmic-ray observations of the heliosphere with the PAMELA experiment. *Advances in Space Research*, **2006**, 37, 1848-1852	2.4	5
119	The onboard software of the EUSO-SPB pathfinder experiment. *Software - Practice and Experience*, **2019**, 49, 524-539	2.5	4
118	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. *JETP Letters*, **2015**, 101, 295-298	1.2	4
117	Euso-Balloon: A pathfinder mission for the JEM-EUSO experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 732, 320-324	1.2	4
116	The infrared camera onboard JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 61-89	1.3	4
115	New measurements of the energy spectra of high-energy cosmic-ray protons and helium nuclei with the calorimeter in the PAMELA experiment. *Journal of Experimental and Theoretical Physics*, **2014**, 119, 448-452	1	4
114	Measurement of hydrogen and helium isotopes flux in galactic cosmic rays with the PAMELA experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 742, 273-275	1.2	4
113	The infrared camera prototype characterization for the JEM-EUSO space mission. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 749, 74-83	1.2	4
112	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. *Journal of Physics: Conference Series*, **2013**, 409, 012188	0.3	4
111	The transition radiation detector of the PAMELA space mission. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 522, 77-80	1.2	4
110	The small satellite NINA-MITA to study galactic and solar cosmic rays in low-altitude polar orbit. *Advances in Space Research*, **2003**, 31, 351-356	2.4	4

109	The km3 Mediterranean neutrino observatory - the NEMO.RD project. *Nuclear Physics, Section B, Proceedings Supplements*, **2001**, 100, 344-346		4
108	Launch in orbit of the telescope NINA for cosmic ray observations: preliminary results. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 85, 28-33		4
107	Two Years of Flight of the Pamela Experiment: Results and Perspectives. *Journal of the Physical Society of Japan*, **2009**, 78, 35-40	1.5	4
106	Supernova Model Discrimination with Hyper-Kamiokande. *Astrophysical Journal*, **2021**, 916, 15	4.7	4
105	Spectra of solar neutrons with energies of ~10–1000 MeV in the PAMELA experiment in the flare events of 2006–2015. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 132-135	0.4	3
104	The May 17, 2012 solar event: back-tracing analysis and flux reconstruction with PAMELA. *Journal of Physics: Conference Series*, **2016**, 675, 032006	0.3	3
103	The JEM-EUSO mission: a space observatory to study the origin of Ultra-High Energy Cosmic Rays. *Nuclear Physics, Section B, Proceedings Supplements*, **2014**, 256-257, 275-286		3
102	Galactic deuteron spectrum measured in PAMELA experiment. *Journal of Physics: Conference Series*, **2013**, 409, 012040	0.3	3
101	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. *Journal of Physics: Conference Series*, **2013**, 409, 012029	0.3	3
100	Positrons and electrons in primary cosmic rays as measured in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2009**, 73, 568-570	0.4	3
99	Unveiling the UHE Universe from space: the JEM-EUSO mission. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 212-213, 368-378		3
98	Measurement of the high-energy electron and positron spectrum in the PAMELA experiment. *Bulletin of the Lebedev Physics Institute*, **2010**, 37, 184-190	0.5	3
97	Search for GUT magnetic monopoles and nuclearites with the MACRO experiment. *Radiation Measurements*, **2003**, 36, 301-305	1.5	3
96	CAPRICE98: a balloon-borne magnetic spectrometer equipped with a gas RICH and a silicon calorimeter to study cosmic rays. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 461, 269-271	1.2	3
95	Measurements of primary cosmic-ray hydrogen and helium by the WiZard collaboration. *Advances in Space Research*, **2001**, 27, 755-760	2.4	3
94	Cosmic-ray discrimination capabilities of ▯▯ silicon nuclear telescopes using neural networks. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2000**, 440, 438-445	1.2	3
93	Light Isotope Abundances in Solar Energetic Particles Measured by the Space Instrument NINA. *Astrophysical Journal*, **2002**, 577, 513-523	4.7	3
92	Secondary positrons and electrons in near-Earth space in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 203-205	0.4	2

91	The Data Processor system of EUSO-SPB1. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 916, 94-101	1.2	2
90	Ultra high energy photons and neutrinos with JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 215-233	1.3	2
89	Measurement of galactic cosmic-ray deuteron spectrum in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 606-608	0.4	2
88	Spectra of primary cosmic-ray positrons and electrons in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 1309-1311	0.4	2
87	Anisotropy studies in the cosmic ray proton flux with the PAMELA experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 239-240, 123-128		2
86	The PAMELA experiment: a decade of Cosmic Ray Physics in space. *Journal of Physics: Conference Series*, **2017**, 798, 012033	0.3	2
85	Measurement of electron-positron spectrum in high-energy cosmic rays in the PAMELA experiment. *Journal of Physics: Conference Series*, **2015**, 632, 012014	0.3	2
84	Solar modulation of GCR electrons over the 23rd solar minimum with PAMELA. *Journal of Physics: Conference Series*, **2015**, 632, 012073	0.3	2
83	Analysis on H spectral shape during the early 2012 SEPs with the PAMELA experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 742, 158-161	1.2	2
82	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. *Journal of Physics: Conference Series*, **2013**, 409, 012056	0.3	2
81	Search for cosmic ray electron-positron anisotropies with the Pamela data. *Journal of Physics: Conference Series*, **2013**, 409, 012055	0.3	2
80	EUSO-BALLOON a pathfinder for detecting UHECR's from the edge of space. *EPJ Web of Conferences*, **2013**, 53, 09003	0.3	2
79	Measuring fluxes of the protons and helium nuclei of high-energy cosmic rays. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 327-330	0.4	2
78	Status of the JEM EUSO telescope on International Space Station. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 626-627, S40-S43	1.2	2
77	Results from PAMELA. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 217, 243-248		2
76	Positron identification by TRDs in TS93 and PAMELA experiments. *Nuclear Physics, Section B, Proceedings Supplements*, **1997**, 54, 375-380		2
75	Space qualification tests of the PAMELA instrument. *Advances in Space Research*, **2006**, 37, 1841-1847	2.4	2
74	Relevance of the hadronic interaction model in the interpretation of multiple muon data as detected with the MACRO experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **1999**, 75, 265-268		2

73	Modulation of electrons and positrons in 2006–2015 in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 154-156	0.4	1
72	Measuring the albedo deuteron flux in the PAMELA satellite experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 294-297	0.4	1
71	Measuring the spectra of high-energy cosmic-ray particles in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 289-293	0.4	1
70	Searching for anisotropy of positrons and electrons in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 298-301	0.4	1
69	The measurement of the dipole anisotropy of protons and helium cosmic rays with the PAMELA experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032005	0.3	1
68	Performance of the EUSO-Balloon electronics. *Journal of Instrumentation*, **2016**, 11, C01075-C01075	1	1
67	PAMELA mission: heralding a new era in cosmic ray physics. *EPJ Web of Conferences*, **2014**, 71, 00115	0.3	1
66	Solar proton events at the end of the 23rd and start of the 24th solar cycle recorded in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 493-496	0.4	1
65	Antiprotons of galactic cosmic radiation in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 602-605	0.4	1
64	North-south asymmetry for high-energy cosmic-ray electrons measured with the PAMELA experiment. *Journal of Experimental and Theoretical Physics*, **2013**, 117, 268-273	1	1
63	Status of the JEM-EUSO mission and studies of the instrument's performance. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 239-240, 225-230		1
62	The PAMELA experiment and cosmic ray observations. *Nuclear and Particle Physics Proceedings*, **2015**, 265-266, 242-244	0.4	1
61	A method to detect positron anisotropies with Pamela data. *Nuclear Physics, Section B, Proceedings Supplements*, **2014**, 256-257, 173-178		1
60	Upgrade of the TOTEM DAQ using the Scalable Readout System (SRS) **2013**,		1
59	Cosmic ray electron and positron spectra measured with PAMELA. *Journal of Physics: Conference Series*, **2013**, 409, 012035	0.3	1
58	Upgrade of the TOTEM DAQ using the Scalable Readout System (SRS). *Journal of Instrumentation*, **2013**, 8, C11006-C11006	1	1
57	The search for antihelium in cosmic rays using data from the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 331-333	0.4	1
56	Primary electron and positron fluxes measured by the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 316-318	0.4	1

55	High-energy cosmic ray proton spectrum. *Bulletin of the Lebedev Physics Institute*, **2011**, 38, 68-75	0.5	1
54	Latest results from PAMELA. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 194, 123-128		1
53	Secondary electron and positron fluxes in the near-Earth space observed in the ARINA and PAMELA experiments. *Bulletin of the Russian Academy of Sciences: Physics*, **2009**, 73, 364-366	0.4	1
52	PAMELA and electrons. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 630, 28-35	1.2	1
51	Performance of the MACRO detector at gran sasso: Moon shadow and seasonal variations. *Nuclear Physics, Section B, Proceedings Supplements*, **1998**, 61, 180-184		1
50	The Pamela experiment ready for flight. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 572, 471-473	1.2	1
49	Magnetospheric and solar physics observations with the PAMELA experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2008**, 588, 243-246	1.2	1
48	A TRD for space borne apparatus. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2006**, 563, 346-348	1.2	1
47	High-energy deuteron measurement with the CAPRICE98 experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **2002**, 113, 88-94		1
46	Calibrations of CR39 and Makrofol nuclear track detectors and search for exotic particles. *Nuclear Physics, Section B, Proceedings Supplements*, **2003**, 125, 217-221		1
45	Effects of new gravitational interactions on neutrinoless double beta decay. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2000**, 478, 269-274	4.2	1
44	The WiZard collaboration cosmic ray muon measurements in the atmosphere. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 85, 355-360		1
43	Description and performances of MACRO TRD. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 360, 423-426	1.2	1
42	Coincident observation of air C-caronerenkov light by a surface array and muon bundles by a deep underground detector. *Physical Review D*, **1994**, 50, 3046-3058	4.9	1
41	Transition radiation detectors for underground and space laboratories. *Nuclear Physics, Section B, Proceedings Supplements*, **1991**, 23, 150-158		1
40	A transition radiation detector for particle astrophysics experiments using low power consumption electronics. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1992**, 323, 71-77	1.2	1
39	East West Proton Flux Anisotropy Observed with the PAMELA Mission. *Astrophysical Journal*, **2021**, 919, 114	4.7	1
38	The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 275-281	0.4	1

37	Solar-cycle Variations of South Atlantic Anomaly Proton Intensities Measured with the PAMELA Mission. *Astrophysical Journal Letters*, **2021**, 917, L21	7.9	1
36	PAMELA measurements of the boron and carbon spectra. *Journal of Physics: Conference Series*, **2015**, 632, 012017	0.3	0
35	The EUSO program: Imaging of ultra-high energy cosmic rays by high-speed UV-video from space. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2017**, 873, 1-4	1.2	
34	Solar modulation of cosmic deuteron fluxes in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 151-153	0.4	
33	Detection of a change in the North-South ratio of count rates of particles of high-energy cosmic rays during a change in the polarity of the magnetic field of the Sun. *JETP Letters*, **2015**, 101, 228-231	1.2	
32	Deuteron spectrum measurements under radiation belt with PAMELA instrument. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 2345-2347	0.4	
31	H, He, Li and Be Isotopes in the PAMELA-Experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032001	0.3	
30	Trapped Positrons and Electrons in the Inner Radiation Belt According to Data of the PAMELA Experiment. *Physics of Atomic Nuclei*, **2018**, 81, 515-519	0.4	
29	The PAMELA experiment and antimatter in the universe. *Hyperfine Interactions*, **2014**, 228, 101-109	0.8	
28	Solar Modulation of Galactic Cosmic Rays During 2006-2015 Based on PAMELA and ARINA Data. *Physics Procedia*, **2015**, 74, 347-351		
27	Splash and Re-entrant Albedo Fluxes Measured in the PAMELA Experiment. *Physics Procedia*, **2015**, 74, 314-319		
26	Search for Spatial and Temporary Variations of Galactic Cosmic Ray Positrons in PAMELA Experiment. *Physics Procedia*, **2015**, 74, 302-307		
25	Searching for cosmic ray anisotropy using the calorimeter in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 1305-1308	0.4	
24	Status of the TOTEM experiment at LHC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 718, 21-25	1.2	
23	Sharp increasing of positron to electron fluxes ratio below 2 GV measured by the PAMELA. *Journal of Physics: Conference Series*, **2017**, 798, 012019	0.3	
22	Solar modulation of galactic cosmic rays during 2006-2015 based on PAMELA and ARINA data. *Journal of Physics: Conference Series*, **2017**, 798, 012042	0.3	
21	Time variations of proton flux in Earth inner radiation belt during 23/24 solar cycles based on the PAMELA and the ARINA data. *Journal of Physics: Conference Series*, **2015**, 632, 012069	0.3	
20	Study of deuteron spectra under radiation belt with PAMELA instrument. *Journal of Physics: Conference Series*, **2015**, 632, 012060	0.3	

19	PRECISE COSMIC RAYS MEASUREMENTS WITH PAMELA. *Acta Polytechnica*, **2013**, 53, 712-717	1
18	Space-based observation of the extensive airshowers. *EPJ Web of Conferences*, **2013**, 53, 01014	0.3
17	The PAMELA space mission for antimatter and dark matter searches in space. *Hyperfine Interactions* , **2012**, 213, 147-158	0.8
16	Study of solar modulation of galactic cosmic rays with the PAMELA and ARINA spectrometers in 2006-2012. *Journal of Physics: Conference Series*, **2013**, 409, 012194	0.3
15	The PAMELA experiment: light-nuclei selection with stand-alone detectors. *Journal of Physics: Conference Series*, **2013**, 409, 012038	0.3
14	Trapped antiprotons in the Earth inner radiation belt in PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 854-856	0.4
13	Performance of the PAMELA Si-W imaging calorimeter in space. *Journal of Physics: Conference Series*, **2009**, 160, 012039	0.3
12	High energy cosmic ray physics with the MACRO experiment at Gran Sasso. *Nuclear Physics, Section B, Proceedings Supplements*, **1997**, 52, 172-175	
11	Particle classification capabilities of a silicon dE/dX detector using neural networks. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1998**, 409, 467-470	1.2
10	Search for massive rare particles with the MACRO detector at Gran Sasso. *Nuclear Physics, Section B, Proceedings Supplements*, **2000**, 85, 221-226	
9	Muon astrophysics with the MACRO detector. *Nuclear Physics, Section B, Proceedings Supplements*, **1994**, 35, 229-234	
8	Description and performances of a transition radiation detector for a Gran Sasso underground experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **1995**, 44, 193-197	
7	First results from the MACRO experiment at the Gran Sasso Laboratory. *Nuclear Physics, Section B, Proceedings Supplements*, **1991**, 19, 128-137	
6	Cosmic ray search for strange quark matter with the macro detector. *Nuclear Physics, Section B, Proceedings Supplements*, **1991**, 24, 191-194	
5	Search for stellar gravitational collapse by MACRO: Characteristics and results. *Nuclear Physics, Section B, Proceedings Supplements*, **1992**, 28, 61-64	
4	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	
3	Features of re-entrant albedo deuteron trajectories in near Earth orbit with PAMELA experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032007	0.3
2	Trapped positrons observed by PAMELA experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032003	0.3

1 The TOTEM DAQ based on the Scalable Readout System (SRS). *EPJ Web of Conferences*, **2018**, 174, 07003. 3