

Lista di Pubblicazioni

Periodo 2010-2016

1. The Pierre Auger Collaboration “*Azimuthal asymmetry in the risetime of the Surface Detector signals of the Pierre Auger Observatory* ”
Accepted for publication in Phys. Rev. D
2. The Pierre Auger Collaboration “*Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory* ”
Journal of Instrumentation 11 P02012 (2016)
3. The Pierre Auger Collaboration “*Nanosecond-level time synchronization of autonomous radio detector stations using a reference beacon and commercial airplanes* ”
Journal of Instrumentation 11 P01018 (2016)
4. The Pierre Auger Collaboration, Telescope Array Collaboration, IceCube Collaboration “*Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array* ”
Journal of Cosmology and Astroparticle Physics 01 037 (2016)
5. Argo-YBJ Collaboration (B. Bartoli et al.) “*4.5 years of multi-wavelength observations of Mrk 421 during the ARGO-YBJ and Fermi common operation time* ”
Astrophysical Journal Supplement 222 6 (2016)
6. The Pierre Auger Collaboration “*The Pierre Auger Cosmic Ray Observatory* ”
Nuclear Instruments & Methods A, 798 172-213 (2015)
7. The Pierre Auger Collaboration “*Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory*”
Journal of Cosmology and Astroparticle Physics 08 049 (2015)
8. The Pierre Auger Collaboration “*An improved limit to the diffuse flux of ultra-high energy neutrinos from the Pierre Auger Observatory* ”
Phys. Rev. D 91, 092008 (2015)
9. The Pierre Auger Collaboration “*Searches for Anisotropies in the Arrival Directions of the Highest Energy Cosmic Rays Detected by the Pierre Auger Observatory* ”
The Astrophysical Journal, 804, 15 (2015)
10. The Pierre Auger Collaboration “*Large scale distribution of ultra high energy cosmic rays detected at the Pierre Auger Observatory with zenith angles up to 80 degrees* ”
The Astrophysical Journal, 802, 111 (2015)
11. The Pierre Auger Collaboration “*Muons in air showers at the Pierre Auger Observatory: mean number in highly inclined events* ”
Physical Review D 91, 032003 (2015)
12. The Pierre Auger Collaboration “*Search for patterns by combining cosmic ray energy and arrival directions at the Pierre Auger Observatory* ”

European Physical Journal C (2015) 75:269

13. Argo-YBJ Collaboration (B. Bartoli et al.) “*Knee of the cosmic hydrogen and helium spectrum below 1 PeV measured by ARGO-YBJ and a Cherenkov telescope of LHAASO* ”
Phys. Rev. D 92 092005 (2015)
14. Argo-YBJ Collaboration (B. Bartoli et al.) “*ARGO-YBJ observation of the large scale cosmic ray anisotropy during the solar minimum between cycles 23 and 24* ”
Astrophysical Journal 809 90 (2015)
15. Argo-YBJ Collaboration (B. Bartoli et al.) “*Cosmic ray proton plus helium energy spectrum measured by the ARGO-YBJ experiment in the energy range 3-300 TeV* ”
Phys. Rev. D 91 112017 (2015)
16. Argo-YBJ Collaboration (B. Bartoli et al.) “*Study of the Diffuse Gamma-Ray Emission from the Galactic Plane with ARGO-YBJ* ”
Astrophysical Journal 806 20 (2015)
17. Argo-YBJ Collaboration (B. Bartoli et al.) “*Calibration of the RPC charge readout in the ARGO-YBJ experiment with the iso-gradient method*”
Nuclear Instrument and Methods A783 68 (2015)
18. Argo-YBJ Collaboration (B. Bartoli et al.) “*The analog RPC readout of the ARGO-YBJ experiment* ”
Astroparticle Physics 67 47 (2015)
19. Argo-YBJ Collaboration (B. Bartoli et al.) “*Crab Nebula: five-year observations with ARGO-YBJ* ”
Astrophysical Journal 798 119 (2015)
20. The Pierre Auger Collaboration “*Depth of Maximum of Air-Shower Profiles at the Auger Observatory: Measurements at Energies above $10^{17.8}$ eV* ”
Physical Review D 90, 122005 (2014)
21. The Pierre Auger “*Depths of Maximum of Air-Shower Profiles at the Pierre Auger Observatory: Composition Implications* ”
Physical Review D 90, 122006 (2014)
22. The Pierre Auger and Telescope Array Collaborations “*Searches for Large-Scale Anisotropy in the Arrival Directions of Cosmic Rays above 10^{19} eV at the Pierre Auger Observatory and the Telescope Array* ”
The Astrophysical Journal, 794, 172 (2014)
23. AUGER Collaboration (A.Aab et al.) “*A search for point sources of EeV photons* ”
The Astrophysical Journal, 789:160 (2014)
24. AUGER Collaboration (A.Aab et al.) “*Reconstruction of inclined air showers detected with the Pierre Auger Observatory* ”
Journal of Cosmology and Astroparticle Physics 08 019 (2014)
25. AUGER Collaboration (A.Aab et al.) “*Muons in air showers at the Pierre Auger Observatory: measurement of atmospheric production depth*”

- Physical Review D 90, 012012 (2014)
26. AUGER Collaboration (A.Aab et al.) “ *A Targeted Search for Point Sources of EeV Neutrons* ”
The Astrophysical Journal Letters, 789:L34 (2014)
 27. AUGER Collaboration (A.Aab et al.) “ *Probing the radio emission from cosmic-ray-induced air showers by polarization measurements* ”
Physical Review. D 89, 052002 (2014)
 28. AUGER Collaboration (A.Aab et al.), G. Curci “ *Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America* ”
Atmospheric Research 149, 120-135 (2014)
 29. Argo-YBJ Collaboration (B. Bartoli et al.) “ *Search for GeV GRBs with the ARGO-YBJ detector: Summary of eight years of observations.* ”
Astrophysical Journal 794 82 (2014)
 30. Argo-YBJ Collaboration (B. Bartoli et al.) “ *Identification of the TeV gamma-ray source ARGO J2013+4157 with the Cygnus Cocoon* ”
Astrophysical Journal 790 152 (2014)
 31. Argo-YBJ Collaboration (B. Bartoli et al.) “ *Evidence of a geomagnetic effect on extensive air showers detected with the ARGO-YBJ experiment* ”
Physical Review D Vol. 89 ,(2014)
 32. Argo-YBJ Collaboration (B. Bartoli et al.) “ *Radon contribution to single particle counts of the ARGO-YBJ detector* ”
Radiation Measurements 68 42-48 (2014)
 33. Argo-YBJ Collaboration (B.Bartoli et al.) “ *Energy spectrum of cosmic protons and helium nuclei by a hybrid measurement at 4300 m a.s.l.* ”
CHINESE PHYSICS C (ISSN:1674-1137) pp. 045001-1 - 045001-1 Vol. 38, (2014)
 34. Argo-YBJ Collaboration (G. Aielli et al.) “ *TeV GAMMA-RAY SURVEY OF THE NORTHERN SKY USING THE ARGO-YBJ DETECTOR* ”
THE ASTROPHYSICAL JOURNAL (ISSN:0004-637X) pp. 27-1 - 27-10 Vol. 779, (2013)
 35. L. Perrone for the AUGER Collaboration “ *Results from the Pierre Auger Observatory* ”
EPJ Web of Conferences Volume 52, ISVHECRI 2012 XVII International Symposium on Very High Energy Cosmic Ray Interactions (2013)
 36. AUGER Collaboration (J. Abraham et al.) “ *Identifying Clouds over the Pierre Auger Observatory using IR Satellite Data* ”
Astroparticle Physics, 50-52 (2013) 92-101
 37. AUGER Collaboration (P.Abreu et al.), “ *Techniques for Measuring Aerosols using the Central Laser Facility at the Pierre Auger Observatory*”, JINST, **8** (2013) P04009
 38. AUGER Collaboration (P.Abreu et al.), “ *Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory*”, JCAP, **05** (2013) 009
 39. AUGER Collaboration (P.Abreu et al.), “ *The Interpretation of the*

- Depths of Shower Maximum of Extensive Air Showers Measured by the Pierre Auger Observatory*”, JCAP, **02** (2013) 026 DOI: 10.1088/1475-7516/2013/02/026
40. AUGER Collaboration (P.Abreu et al.), “*Ultra-High Energy Neutrinos at the Pierre Auger Observatory*”, Advances in High Energy Physics **2013** (2013) 708680 DOI: 10.1155/2013/708680
 41. Argo-YBJ Collaboration (G. Aielli et al.) “*Medium scale anisotropy in the TeV cosmic ray flux observed by ARGO-YBJ* ” PHYSICAL REVIEW D, PARTICLES, FIELDS, GRAVITATION, AND COSMOLOGY (ISSN:1550-7998) pp. 082001-1 - 082001-12 Vol. 88 , (2013)
 42. Argo-YBJ Collaboration (G. Aielli et al.) “*OBSERVATION OF TeV GAMMA RAYS FROM THE UNIDENTIFIED SOURCE HESS J18412013055 WITH THE ARGO-YBJ EXPERIMENT* ” THE ASTROPHYSICAL JOURNAL pp. 99-1 - 99-6 Vol. 767, (2013)
 43. AUGER Collaboration (P.Abreu et al.), “*Constraints on the origin of cosmic rays above 10^{18} eV from large scale anisotropy searches in data of the Pierre Auger observatory*”, ApJ L., **762** (2013) L13 DOI: 10.1088/2041-8205/762/1/L13
 44. J.Alvarez Muniz, M. Bohacova, G. Cataldi, M.R.Coluccia, P. Creti, I. De Mitri, C. Di Giulio, R. Engel, P. Facal San Luis, M. Iarlori, D. Martello, M. Monasor, L. Perrone, S.Petrera, P. Privitera, M. Riegel, V. Rizi, G. Rodriguez Fernandez, F. Salamida, G. Salina, M. Settimo, R. Smida, V. Verzi, F.Werner and C. Williams, “*The air microwave yield (AMY) Experiment to measure the GHz emission from air shower plasma*”, International Symposium on Future Directions in UHECR Physics, 13-16 Febbraio 2012, CERN. EPJ Web of Conferences 53, 08011 (2013) <http://dx.doi.org/10.1051/epjconf/20135308011>
 45. AUGER Collaboration (P.Abreu et al.), “*Large scale distribution of arrival directions of cosmic rays detected above 10^{18} eV at the Pierre Auger observatory*”, Astrophys. J. Suppl., **203** (2012) 34 DOI: 10.1088/0067-0049/203/2/34
 46. AUGER Collaboration (P.Abreu et al.), “*A Search for Point Sources of EeV Neutrons*”, Ap. J., **760** (2012) 148 DOI: 10.1088/0004-637X/760/2/148
 47. AUGER Collaboration (P.Abreu et al.), “*Results of a self-triggered prototype system at the Pierre Auger Observatory for radio-detection of air showers induced by cosmic rays*”, JINST, **7** (2012) P11023 DOI: 10.1088/1748-0221/7/11/P110
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51. Argo-YBJ Collaboration (G. Aielli et al.) “ *LONG-TERM MONITORING OF MRK 501 FOR ITS VERY HIGH ENERGY EMISSION AND A FLARE IN 2011 OCTOBER* ” THE ASTROPHYSICAL JOURNAL pp. 1 - 8 Vol. 758:2, (2012)
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57. AUGER Collaboration (P.Abreu et al.), “*Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS)*”, Astropart. Phys., **35** (2012) 591 DOI: 10.1016/j.astropartphys.2011.12.002
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59. Argo-YBJ Collaboration (G. Aielli et al.) “ *Measurement of the cosmic ray antiproton / proton flux ratio at TeV energies with the ARGO-YBJ detector* ” PHYSICAL REVIEW D, PARTICLES, FIELDS, GRAVITATION, AND COSMOLOGY (ISSN:1550-7998) pp. 022002-1 - 022002-10 Vol. 85, (2012)
60. Argo-YBJ Collaboration (G. Aielli et al.) “ *Observation of TeV gamma rays from the Cygnus region with the ARGO-YBJ experiment* ” THE ASTROPHYSICAL JOURNAL LETTERS (ISSN:2041-8205) pp.

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62. AUGER Collaboration (P.Abreu et al.), “*The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory*”, *JCAP***11** (2011) 022, DOI: 10.1088/1475-7516/2011/11/022
63. AUGER Collaboration (P.Abreu et al.), “*A search for ultra-high energy neutrinos in highly inclined events at the Pierre Auger Observatory*”, *Phys. Rev. D* **84** (2011) 122005, DOI: 10.1103/PhysRevD.84.122005
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66. AUGER Collaboration (P.Abreu et al.), “*Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory*”, *Nucl. Instr. and Meth. A* **635** (2011) 92, DOI: 10.1016/j.nima.2011.01.049
67. Argo-YBJ Collaboration (G. Aielli et al.) “*Early warning for VHE gamma-ray flares with the ARGO-YBJ detector.* ”
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68. Argo-YBJ Collaboration (G. Aielli et al.) “*Observation of the cosmic ray moon shadowing effect with the ARGO-YBJ experiment* ”
PHYSICAL REVIEW D, PARTICLES, FIELDS, GRAVITATION, AND COSMOLOGY (ISSN:1550-7998) pp. 022003-1 - 022003-15 Vol. 84, DOI: 10.1103/PhysRevD.84.022003 , (2011)
69. Argo-YBJ Collaboration (G. Aielli et al.) “*Long-term monitor of Mrk 421 TeV emission using ARGO-YBJ experiment* ”
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75. AUGER Collaboration (J. Abraham et al.) “*A Study of the Effect of Molecular and Aerosol Conditions in the Atmosphere on Air Fluorescence Measurements at the Pierre Auger Observatory* ”
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76. AUGER Collaboration (J. Abraham et al.) “*Measurement of the Depth of Maximum of Extensive Air Showers above 10^{18} eV* ”
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78. AUGER Collaboration (J. Abraham et al.) “*Trigger and aperture of the surface detector array of the Pierre Auger Observatory* ”
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80. AUGER Collaboration (P. Abreu et al.) “*The Fluorescence Detector of the Pierre Auger Observatory*”
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84. AUGER Collaboration (J. Abraham et al.) “ *Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory* ”
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85. AUGER Collaboration (J. Abraham et al.) “ *Atmospheric effects on extensive air showers observed with the Surface Detector of the Pierre Auger Observatory* ”
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86. AUGER Collaboration (J. Abraham et al.) “ *Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory* ”
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87. Argo-YBJ Collaboration (G. Aielli et al.) “ *Software Timing Calibration of the ARGO-YBJ Detector* ”
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88. Argo-YBJ Collaboration (G. Aielli et al.) “ *Search for Gamma Ray Bursts with the ARGO-YBJ detector in scaler mode.* ”
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