

Personal Data.

- *Name:* Manuel Platino
- *Birth Date:* November 11, 1973
- *Place of Birth:* Olavarría, Argentina
- *Address:* Pedro Lozano 3450 PB B, Ciudad Autónoma de Buenos Aires (1417)
- *Phone:* +54 11 20678369 - mobile: +54 911 38394999
- *Email:* manuel.platino@iteda.cnea.gov.ar, mplatino@unsam.edu.ar

Studies:*Post-Graduate Degrees:*

- Philosophy Doctor in Electrical Engineering, Stanford Universty, USA (2006)
- Master of Science in Electrical Engineering, Stanford Universty, USA (2001)

Bachelor Degree:

- Electrical Engineer Instituto Tecnológico de Buenos Aires, Argentina (1998)

Interests and research topics:

- Astrophysics
- Plasma physics
- Particle detection
- Cryogenic electronics
- RF electronics



Prof. Dr.
Manuel Platino
(* 1973)

Current and previous activities:

- University of San Martín (UNSAM): (01/03/2010 – Present):
 1. Professor, semi-exclusive dedication for the courses Analog Electronics I and II, of the Electrical Engineering career.
 2. Member of the Doctoral Academic Committee of the School of Science and Technology.
 3. Creator of the joint supervision of the PhD program in Electronic Engineering and Information Technology in conjunction with the Institut für Prozess–daten–verarbeitung und Elektronik (IPE) of the Karlsruhe Institute of Technology (KIT - ipe.kit.edu).
 4. Member of the Academic Committee of the Helmholtz International Research School for Astroparticle Physics and Enabling Technologies (HIRSAP - hirsap.org).
- Institute of Technology and Detection of Astroparticles, (ITeDA): (02/04/07 – Present):
Researcher, Head of the Detector Manufacturing Department and currently Vice Director of ITeDA (www.iteda.cnea.gov.ar) dependent on CNEA, CONICET and UNSAM. Projects:
 1. Design and construction of the analog Front End and automated technical testing system of the muon counters of the AMIGA project of the Pierre Auger Cosmic Ray Observatory (auger.org.ar).
 2. Design and commissioning of a laboratory for testing silicon photomultipliers for AMIGA.
 3. Design and start-up of the manufacturing laboratory for multilayer circuits for the ITeDA electronics laboratory.
 4. Design and commissioning of the telecommunications system for the muon counters of the AMIGA project of the Pierre Auger Cosmic Ray Observatory.
 5. Design and manufacture of Read Out systems for bolometric detectors at QUBIC (qubic.in2p3.fr) and ANDES (andeslab.org).
 6. QUBIC Operations Manager.
- Doctoral Scholarship, Stanford University: (06/15/02 - 10/16/06):
Researcher, member of the VLF research group at the STAR Lab (nova.stanford.edu). I designed experiments and carried them out with the Cluster (sci.esa.int/cluster) and DEMETER (smc.cnes.fr/DEMETER) satellites and the HAARP transmitter in Gakona, Alaska (haarp.alaska.edu).
- CPC S.A.: (09/16/98 – 08/31/00):
Engineer in charge of Telecommunications and Systems in the construction of two dams in San Juan for the project “Complejos Hidroeléctricos Caracoles – Punta Negra” in conjunction with ICA S.A. from México and Panedile S.A. from Argentina.

- CPC S.A.: (01/16/98 – 09/15/98): Systems technical support.
- CIPE: (05/09/97 – 15/01/98): Research Engineer for the electronics department.

Name of the people to whom you can probe for references:

- Dr. Alberto Etchegoyen (email: alberto.etchegoyen@iteda.cnea.gov.ar. Dir: Tandar – CNEA, Av. Gral. Paz 1499 (B1650KNA) San Martín - Buenos Aires. Tel: +54 11 6772 7062)
- Dr. Umrans S. Inan (Stanford University. Email: inan@stanford.edu. Dir: 350 Serra Mall, Packard Electrical Engineering, Stanford, CA 95305, USA. Tel: +1 650 7234994)
- Dr. Timothy F. Bell (Stanford University. Email: bell@nova.stanford.edu. Dir: 350 Serra Mall, Packard Electrical Engineering, Stanford, CA 95305, USA. Tel: +1 650 7233587)

Scientific production. Published articles.

Suitability of magnetic microbolometers based on paramagnetic temperature sensors for CMB polarization measurements.
2023

Journal of Astronomical Telescopes, Instruments, and Systems (doi: 10.1117/1.JATIS.9.1.016002)

J. M. Geria, M. R. Hampel, S. Kempf, J. J. Bonaparte, L. P. Ferreyro, M. E. García Redondo, D. A. Almela, J. M. Salum, N. A. Müller, J. D. Bonilla Neira, A. E. Fuster, M. Platino, A. Etchegoyen

An Implementation of a Channelizer based on a Goertzel Filter Bank for the Read-Out of Cryogenic Sensors
2023

Journal of Instrumentation, (doi: 10.1088/1748-0221/18/06/P06009)

L.P. Ferreyro, M. E. García Redondo, M.R. Hampel, D. A. Almela, A. E. Fuster, J. M. Salum, J.M. Geria, J. J. Bonaparte, J. D. Bonilla Neira, N. A. Müller, N. Karcher, O. Sander, M. Platino, M. Weber, A. Etchegoyen

Aliasing Effect on Flux Ramp Demodulation: Nonlinearity in the Microwave SQUID Multiplexer
2023

Journal of Low Temperature Physics (doi: 10.1007/s10909-023-02993-z)

J. M. Salum, T. Muscheid, A. Fuster, M. E. García Redondo, M. R. Hampel, L. P. Ferreyro, J. M. Geria, J. Bonilla-Neira, N. Müller, J. Bonaparte, A. Almela, L. E. Ardila-Perez, M. Platino, O. Sander, M. Weber

Testing effects of Lorentz Invariance Violation in the propagation of astroparticles with the Pierre Auger Observatory
2022

Journal of Cosmology and Astroparticle Physics (doi: 10.1088/1475-7516/2022/01/023)

The Pierre Auger Collaboration

Special edition of the Journal of Cosmology and Astroparticle Physics dedicated to QUBIC published in 2022

QUBIC I: Overview and Science Program

The QUBIC Collaboration (Hamilton, et al.), (doi: 10.1088/1475-7516/2022/04/034)

QUBIC II: Spectro-Polarimetry with Bolometric Interferometry

The QUBIC Collaboration (Mousset, et al.), (doi: 10.1088/1475-7516/2022/04/035)

QUBIC III: Laboratory Characterization

The QUBIC Collaboration (Torchinsky, et al.), (doi: 10.1088/1475-7516/2022/04/036)

QUBIC IV: Performance of TES Bolometers and Readout Electronics

The QUBIC Collaboration (Piat, et al.), (doi: 10.1088/1475-7516/2022/04/037)

QUBIC V: Cryogenic system design and performance

The QUBIC Collaboration (Masi, et al.), (doi: 10.1088/1475-7516/2022/04/038)

QUBIC VI: Cryogenic half wave plate rotator, design and performances,

The QUBIC Collaboration (D'Alessandro, et al.), (doi: 10.1088/1475-7516/2022/04/039)

QUBIC VII: The feedhorn-switch system of the technological demonstrator

The QUBIC Collaboration (Cavaliere, et al.), (doi: 10.1088/1475-7516/2022/04/040)

QUBIC VIII: Optical design and performance

The QUBIC Collaboration (O'Sullivan, et al.), (doi: 10.1088/1475-7516/2022/04/041)

The Energy Spectrum of Cosmic Rays beyond the Turn-Down at 10^{17} eV as measured with the Surface Detector of the Pierre Auger Observatory

2021

The European Physical Journal C (doi: 10.1140/epjc/s10052-021-09700-w)

The Pierre Auger Collaboration

Design and implementation of the AMIGA embedded system for particle detectors

2021

Journal of Instrumentation

The Pierre Auger Collaboration (doi: 10.1088/1748-0221/16/07/T07008)

Deep-Learning based Reconstruction of the Shower Maximum X_{\max} using the Water-Cherenkov Detectors of the Pierre Auger Observatory

2021

Journal of Instrumentation (doi: 10.1088/1748-0221/16/07/P07019)

The Pierre Auger Collaboration

Extraction of the Muon Signals Recorded by the Surface Detector of the Pierre Auger Observatory Using Recurrent Neural Networks

2021

Journal of Instrumentation (doi: 10.1088/1748-0221/16/07/P07016)

The Pierre Auger Collaboration

The FRAM robotic telescope for atmospheric monitoring at the Pierre Auger Observatory

2021

Journal of Instrumentation (doi: 10.1088/1748-0221/16/06/P06027)

The Pierre Auger Collaboration

Measurement of the fluctuations in the number of muons in extensive air showers with the Pierre Auger Observatory

2021

Physical Review Letters (doi: 10.1103/PhysRevLett.126.152002)

The Pierre Auger Collaboration

Calibration of the underground muon detector of the Pierre Auger Observatory

2021

Journal of Instrumentation (doi: 10.1088/1748-0221/16/04/P04003)

The Pierre Auger Collaboration

Design, upgrade and characterization of the silicon photomultiplier front-end for the AMIGA detector at the Pierre Auger Observatory

2021

Journal of Instrumentation (doi: 10.1088/1748-0221/16/01/P01026)

The Pierre Auger Collaboration

QUBIC: using NbSi TESs with a bolometric interferometer to characterize the polarisation of the CMB

2020

Journal of Low Temperature Physics, (doi: 10.1007/s10909-020-02370-0)

The QUBIC Collaboration (M. Piat et al.)

QUBIC: observing the polarized microwave sky over the Puna

2020

Science Reviews from the end of the world (doi: 10.52712/sciencereviews.v1i4.16)

The QUBIC Collaboration (B. García et al.)

QUBIC: the Q & U Bolometric Interferometer for Cosmology

2020

Journal of Low Temperature Physics (doi:10.1007/s10909-020-02370-0)

The QUBIC Collaboration (E.S. Battistelli et al.)

TES Bolometer Arrays for the QUBIC B-Mode CMB Experiment.

2020

Journal of Low Temperature Physics, (doi:10.1007/s10909-019-02304-5)

The QUBIC Collaboration (S. Marnieros et al.)

The Pierre Auger Observatory and its Upgrade

2020

Science Reviews from the end of the world (doi: 10.52712/sciencereviews.v1i4.31)

The Pierre Auger Collaboration

- Direct measurement of the muonic content of extensive air showers between 2×10^{17} and 2×10^{18} eV at the Pierre Auger Observatory
2020
European Physics Journal C (doi: 10.1140/epjc/s10052-020-8055-y)
The Pierre Auger Collaboration
- Search for magnetically-induced signatures in the arrival directions of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory
2020
Journal of Cosmology and Astroparticle Physics (06, 017, doi: 10.1088/1475-7516/2020/06/017)
The Pierre Auger Collaboration
- Features of the energy spectrum of cosmic rays above 2.5×10^{18} eV using the Pierre Auger Observatory
2020
Physics Review Letters (doi: 10.1103/PhysRevLett.125.121106)
The Pierre Auger Collaboration
- Measurement of the cosmic ray energy spectrum above 2.5×10^{18} eV using the Pierre Auger Observatory
2020
Physics Review D (doi: 10.1103/PhysRevD.102.062005)
The Pierre Auger Collaboration
- Studies on the response of a water-Cherenkov detector of the Pierre Auger Observatory to atmospheric muons using an RPC hodoscope
2020
Journal of Instrumentation (doi: 10.1088/1748-0221/15/09/P09002)
The Pierre Auger Collaboration
- Reconstruction of Events Recorded by the Surface Detector of the Pierre Auger Observatory
2020
Journal of Instrumentation (doi: 10.1088/1748-0221/15/10/P10021)
The Pierre Auger Collaboration
- A search for ultra-high energy neutrinos from TXS 0506+056 using the Pierre Auger Observatory
2020
The Astrophysical Journal, (doi: 10.3847/1538-4357/abb476)
The Pierre Auger Collaboration
- A Three-Year Sample of Almost 1600 Elves Recorded Above South America by the Pierre Auger Cosmic Ray Observatory
2020
Earth and Space Science, (doi: 10.1029/2019EA000582)
The Pierre Auger Collaboration
- Cosmic ray anisotropies in right ascension measured by the Pierre Auger Observatory
2020
The Astrophysical Journal, (doi: 10.3847/1538-4357/ab7236)
The Pierre Auger Collaboration
- Multi-Messenger Physics with the Pierre Auger Observatory
2019
Frontiers in Astronomy and Space Science, (doi: 10.3389/fspas.2019.00024)
The Pierre Auger Collaboration
- Measurement of the average shape of longitudinal profiles of cosmic ray air-showers at the Pierre Auger Observatory
2019
Journal of Cosmology and Astroparticle Physics, (doi: 10.1088/1475-7516/2019/03/018)
The Pierre Auger Collaboration
- Probing the origin of ultra-high energy cosmic rays with neutrinos in the EeV energy range at the Pierre Auger Observatory
2019
Journal of Cosmology and Astroparticle Physics, (doi: 10.1088/1475-7516/2019/10/022)
The Pierre Auger Collaboration

- Data-driven estimation of the invisible energy of cosmic ray showers with the Pierre Auger Observatory
2019
Physical Review D, (doi: 10.1103/PhysRevD.100.082003)
The Pierre Auger Collaboration
- Limits on point-like sources of ultra-high-energy neutrinos with the Pierre Auger Observatory
2019
Journal of Cosmology and Astroparticle Physics, (doi: 10.1088/1475-7516/2019/11/004)
The Pierre Auger Collaboration
- Large-scale cosmic-ray anisotropies above 4 EeV measured by the Pierre Auger Observatory
2018
The Astrophysical Journal, (doi: 10.3847/1538-4357/aae689)
The Pierre Auger Collaboration
- Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory
2018
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2018/10/026)
The Pierre Auger Collaboration
- Photovoltaic monitoring system for Auger Muons and Infill for the Ground Array
2018
Energy Science & Engineering, The Society of Chemical Industry, (doi:10.1002/ese3.197)
A. Cancio, A. Mancilla, J. Maya, B. García, A. Almela, B. Andrada, A. M. Botti, A. Etchegoyen, J. M. Figueira, A. Fuster, N. González, M. R. Hampel, E. Holt, J. Hulsman, M. Josebachuili, N. Leal, A. Lucero, D. Melo, S. Müller, M. Perlin, M. Platino, D. Ravignani, M. Roncoroni, F. Sánchez, C. Sarmiento-Cano, D. Schmidt, G. Silli, F. Suarez, A. Taboada, O. Wainberg, B. Wundheiler and D. Yelós;
- Indication of anisotropy in arrival directions of ultra-high-energy cosmic rays through comparison to the flux pattern of extragalactic gamma-ray sources
2018
The Astrophysical Journal Letters, (doi:10.3847/2041-8213/aaa66d)
The Pierre Auger Collaboration
- Inferences on Mass Composition and Tests of Hadronic Interactions from 0.3 to 100 EeV using the water-Cherenkov Detectors of the Pierre Auger Observatory
2017
Physical Review D, (doi:10.1103/PhysRevD.96.122003)
The Pierre Auger Collaboration
- Search for High-Energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory
2017
The Astrophysical Journal Letters, (doi:10.3847/2041-8213/aa9aed)
ANTARES Collaboration, IceCube Collaboration, The Pierre Auger Collaboration, and LIGO Scientific Collaboration and Virgo Collaboration
- Calibration of the Logarithmic-Periodic Dipole Antenna (LPDA) Radio Stations at the Pierre Auger Observatory using an Octocopter
2017
Journal of Instrumentation, (doi:10.1088/1748-0221/12/10/T10005)
The Pierre Auger Collaboration
- Multi-messenger Observations of a Binary Neutron Star Merger
2017
The Astrophysical Journal Letters, (doi:10.3847/2041-8213/aa91c9)
The Pierre Auger Collaboration
- Observation of a Large-scale Anisotropy in the Arrival Directions of Cosmic Rays above 8×10^{18} eV
2017
Science, (doi:10.1126/science.aan4338)
The Pierre Auger Collaboration
- Spectral Calibration of the Fluorescence Telescopes of the Pierre Auger Observatory

- 2017
Astroparticle Physics, (doi:10.1016/j.astropartphys.2017.09.001)
The Pierre Auger Collaboration
- Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory
2017
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2017/06/026)
The Pierre Auger Collaboration
- Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory
2017
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2017/04/038)
The Pierre Auger Collaboration
- Search for photons with energies above 10^{18} eV using the hybrid detector of the Pierre Auger Observatory
2017
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2017/04/009)
The Pierre Auger Collaboration
- Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory
2017
Journal of Instrumentation, (doi:10.1088/1748-0221/12/02/P02006)
The Pierre Auger Collaboration
- A targeted search for point sources of EeV photons with the Pierre Auger Observatory
2017
The Astrophysical Journal Letters, (doi:10.3847/2041-8213/aa61a5)
The Pierre Auger Collaboration
- Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory
2017
Journal of Instrumentation, (doi:10.1088/1748-0221/12/03/P03002)
The Pierre Auger Collaboration
- Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory
2016
Physical Review D (doi:10.1103/PhysRevD.94.122007)
The Pierre Auger Collaboration
- Testing hadronic interactions at ultrahigh energies with air showers measured by the Pierre Auger Observatory
2016
Physical Review Letters, (doi:10.1103/PhysRevLett.117.192001); Editors suggestion
The Pierre Auger Collaboration,
- Search for Ultra-relativistic Magnetic Monopoles with the Pierre Auger Observatory
2016
Physical Review D, (doi:10.1103/PhysRevD.94.082002)
The Pierre Auger Collaboration,
- Evidence for a mixed mass composition at the 'ankle' in the cosmic-ray spectrum
2016
Physics Letters B, (doi:10.1016/j.physletb.2016.09.039)
The Pierre Auger Collaboration
- Measurement of the Muon Production Depths at the Pierre Auger Observatory
2016
European Physical Journal Plus, (doi:10.1140/epjp/i2016-16301-6)
Laura Collica for the Pierre Auger Collaboration
- |
Energy Estimation of Cosmic Rays with the Engineering Radio Array of the Pierre Auger Observatory
2016
Physical Review D, (doi:10.1103/PhysRevD.93.122005)
The Pierre Auger Collaboration

- Measurement of the radiation energy in the radio signal of extensive air showers as a universal estimator of cosmic-ray energy
2016
Physical Review Letters, (doi:10.1103/PhysRevLett.116.241101)
The Pierre Auger Collaboration
- Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory
2016
Physical Review D, (doi:10.1103/PhysRevD.93.072006)
The Pierre Auger Collaboration
- The Pierre Auger Observatory Upgrade - Preliminary Design Report
2016
(arXiv:1604.03637 [astro-ph.IM])
The Pierre Auger Collaboration
- Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory
2016
Journal of Instrumentation, (doi:10.1088/1748-0221/11/02/P02012)
The Pierre Auger Collaboration
- Nanosecond-level time synchronization of autonomous radio detector stations using a reference beacon and commercial airplanes
2016
Journal of Instrumentation, (doi:10.1088/1748-0221/11/01/P01018)
The Pierre Auger 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
2016
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2016/01/037)
The Pierre Auger Collaboration, Telescope Array Collaboration, IceCube Collaboration
- Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory
2015
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2015/08/049)
The Pierre Auger Collaboration
- The Pierre Auger Cosmic Ray Observatory
2015
Nuclear Instruments and Methods in Physics Research, (doi:10.1016/j.nima.2015.06.058)
The Pierre Auger Collaboration
- Analog multiplexer for testing multianode photomultipliers used in AMIGA project of the Pierre Auger Observatory
2015
Journal of Instrumentation (doi:10.1088/1748-0221/10/09/T09004)
A. Lucero, A. Almela, F. Suarez, C. Reyes, A. Cancio, A. Fuster, F. Gallo, M.R. Hampel, M. Platino, M. Videla, O. Wainberg, D. Yelos, A. Etchegoyen
- AMIGA at the Pierre Auger Observatory: The interface and control electronics of the first prototype muon counters
2015
Nuclear Instruments and Methods in Physics Research, (doi:10.1016/j.nima.2015.04.029)
M. Videla, M. Platino, B. García, A. Almela, G. de la Vega, A. Lucero, F. Suarez, O. Wainberg, F. Sanchez, D. Yelos
- Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory
2015
European Physical Journal C, (doi:10.1140/epjc/s10052-015-3471-0)
The Pierre Auger Collaboration
- Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory
2015
Physical Review D, (doi:10.1103/PhysRevD.91.092008)
The Pierre Auger Collaboration

Searches for Anisotropies in the Arrival Directions of the Highest Energy Cosmic Rays Detected by the Pierre Auger Observatory
2015
Astrophysical Journal, (doi:10.1088/0004-637X/804/1/15)
The Pierre Auger Collaboration

Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events
2015
Physical Review D, (doi:10.1103/PhysRevD.91.032003)
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°
2015
Astrophysical Journal, (doi:10.1088/0004-637X/802/2/111)
The Pierre Auger Collaboration

Digital Electronics for the Pierre Auger Observatory AMIGA Muon Counters
2014
Journal of Instrumentation, (doi:10.1088/1748-0221/9/04/T04003)
O. Wainberg, A. Almela, M. Platino, F. Sanchez, F. Suarez, A. Lucero, M. Videla, B. Wundheiler, D. Melo, M. Hampel, A. Etchegoyen

Probing the radio emission from cosmic-ray-induced air showers by polarization measurements
2014
Physical Review D, (doi:10.1103/PhysRevD.89.052002)
The Pierre Auger Collaboration

Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America
2014
Atmospheric Research, (doi:10.1016/j.atmosres.2014.05.021)
The Pierre Auger Collaboration

A search for point sources of EeV photons
2014
Astrophysical Journal, (doi:10.1088/0004-637X/789/2/160)
The Pierre Auger Collaboration

A Targeted Search for Point Sources of EeV Neutrons
2014
Astrophysical Journal, (doi:10.1088/2041-8205/789/2/L34)
The Pierre Auger Collaboration

Reconstruction of inclined air showers detected with the Pierre Auger Observatory
2014
Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2014/08/019)
The Pierre Auger Collaboration

Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth
2014
Physical Review D, (90, 012012; Errata 90, 039904; Phys. Rev. D 92, 019903; doi:10.1103/PhysRevD.90.012012)
The Pierre Auger Collaboration

Searches for Large-Scale Anisotropy in the Arrival Directions of Cosmic Rays Detected above Energy of 10^{19} eV at the Pierre Auger Observatory and the Telescope Array
2014
Astrophysical Journal, (doi:10.1088/0004-637X/794/2/172)
The Pierre Auger Collaboration

Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory
2014
European Physical Journal C - Particles and Fields (doi:10.1140/epjc/s10052-015-3471-0)
The Pierre Auger Collaboration

AMIGA at the Auger observatory: the telecommunications system

2013

Journal of Instrumentation, (doi:10.1088/1748-0221/8/12/P12014)

M. Platino, M. R. Hampel, P. Fiszlelew, A. Almela, A. Sedoski, G. De La Vega, M. Videla, A. Lucero, F. Suarez, O. Wainberg, D. Yelos, A. Cancio y A. Etchegoyen

Identifying Clouds over the Pierre Auger Observatory using IR Satellite Data

2013

Astroparticle Physics, (doi:10.1016/j.astropartphys.2013.09.004)

The Pierre Auger Collaboration

Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory

2013

Journal of Cosmology and Astroparticle Physics, (doi:10.1088/1475-7516/2013/05/009)

The Pierre Auger Collaboration

Techniques for Measuring Aerosols using the Central Laser Facility at the Pierre Auger Observatory

2013

Journal of Instrumentation, (doi:10.1088/1748-0221/8/04/P04009)

The Pierre Auger Collaboration

Ultra-High Energy Neutrinos at the Pierre Auger Observatory

2013

Advances in High Energy Physics, (doi:10.1155/2013/708680)

The Pierre Auger Collaboration

Constraints on the origin of cosmic rays above 10^{18} eV from large scale anisotropy searches in data of the Pierre Auger Observatory

2013

The Astrophysical Journal Letters, (10.1088/2041-8205/762/1/L13)

The Pierre Auger Collaboration

Interpretation of the Depths of Maximum of Extensive Air Showers Measured by the Pierre Auger Observatory

2013

Journal of Cosmology and Astroparticle Physics (doi:10.1088/1475-7516/2013/02/026)

The Pierre Auger Collaboration

A Search for Point Sources of EeV Neutrons,

2012

Astrophysical Journal, (doi:10.1088/0004-637X/760/2/148)

The Pierre Auger Collaboration

Large scale distribution of arrival directions of cosmic rays detected above 10^{18} eV at the Pierre Auger Observatory,

2012

Astrophysical Journal, Supplement Series (doi:10.1088/0067-0049/203/2/34)

The Pierre Auger Collaboration

Antennas for the Detection of Radio Emission Pulses from Cosmic-Ray induced Air Showers at the Pierre Auger Observatory,

2012

Journal of Instrumentation (doi:10.1088/1748-0221/7/10/P10011)

The Pierre Auger Collaboration

The Rapid Atmospheric Monitoring System of the Pierre Auger Observatory,

2012

Journal of Instrumentation (doi:10.1088/1748-0221/7/09/P09001)

The Pierre Auger Collaboration

Measurement of the proton-air cross-section at $\sqrt{s} = 57$ TeV with the Pierre Auger Observatory,

2012

Phys. Rev. Lett. (doi:10.1103/PhysRevLett.109.062002)

The Pierre Auger Collaboration

Search for point-like sources of ultra-high energy neutrinos at the Pierre Auger Observatory and improved limit on the diffuse flux of tau neutrinos,

2012

Astrophysical Journal Letters (doi:10.1088/2041-8205/755/1/L4)
The Pierre Auger Collaboration

A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory,
2012
Journal of Cosmology and Astroparticle Physics (doi:10.1088/1475-7516/2012/04/040)
The Pierre Auger Collaboration

Description of Atmospheric Conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS),
2012
Astroparticle Physics (doi:10.1016/j.astropartphys.2011.12.002)
The Pierre Auger Collaboration

Results of a self-triggered prototype system for radio-detection of extensive air showers at the Pierre Auger Observatory,
2012
Journal of Instrumentation (doi:10.1088/1748-0221/7/11/P11023)
The Pierre Auger Collaboration

Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory,
2012
Astroparticle Physics (doi:10.1016/j.astropartphys.2011.10.004)
The Pierre Auger Collaboration

Constraints on the origin of cosmic rays above 10^{18} eV from large scale anisotropy searches in data of the Pierre Auger
Observatory
2012
Astrophysical Journal Supplement Series (doi:10.1088/2041-8205/762/1/L13)
The Pierre Auger Collaboration

A search for ultra-high energy neutrinos in highly inclined events at the Pierre Auger Observatory
2011
Physical Review D (doi:10.1103/PhysRevD.85.029902)
The Pierre Auger Collaboration

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