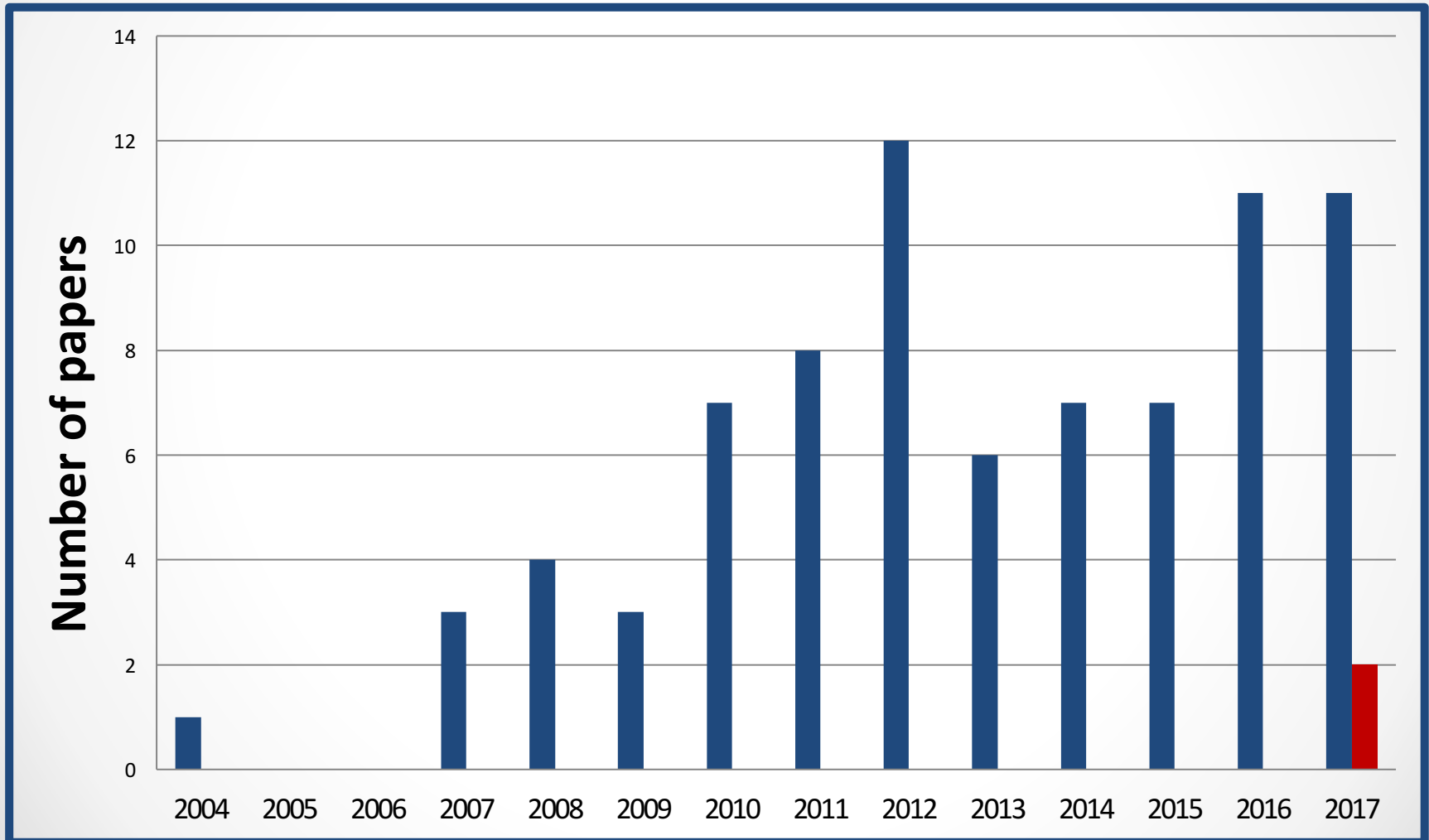


PC Report

November 2017

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Auger full-author-list papers: 79 published + 1 accepted + 2 submitted



GOOD NEWS!

- **Eleven** papers published in 2017.
- Publication of the Dipole paper in Science.
- Publication of the Multi-Messenger paper in ApJL.
- **Four** papers surpassed 500 citations in INSPIRE and **two** passed 500 in Web of Science.
- NIM 2015 already has more than **200** citations in INSPIRE (208).

Auger Top 10 in INSPIRE (by citations)

PAPER	INSPIRE (06/11/2017)
NIM 2004 (Engineering Array)	725
Science 2007 (VCV)	642
PRL 2008 (spectrum)	619
PRL (2010) Xmax	524
APP 2008 (VCV correlation)	425
PLB 2010 (spectrum)	441
APP 2010 (VCV update)	335
NIM 2010 (Fluorescence Detector)	265
NIM 2015 (Auger Observatory) (NEW)	208
APP 2008 (photon flux)	204

Auger Top 10 in Web of Science (by citations)

PAPER	Web of Science (06/11/2017)
NIM 2004 (Engineering Array)	574
Science 2007 (VCV)	503
PRL 2008 (spectrum)	379
PRL (2010) Xmax	327
APP 2008 (VCV correlation)	293
PLB 2010 (spectrum)	276
APP 2010 (VCV update)	199
NIM 2010 (Fluorescence Detector)	156
PRL 2012 (cross section)	108
APP 2009 (photon fraction)	101

Eleven papers published in 2017:

Paper	Journal
1. Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	JINST
2. A targeted search for point sources of EeV photons with the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	ApJ
3. Muon Counting using Silicon Photomultipliers in the AMIGA detector of the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	JINST

Eleven papers published in 2017 (Cont.):

Paper	Journal
4. Search for photons above 10^{18} eV with the hybrid detector of the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	JCAP
5. Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	JCAP
6. Multi-resolution anisotropy studies of ultra-high energy cosmic rays detected at the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	JCAP

Eleven papers published in 2017 (Cont.):

Paper	Journal
7. Spectral Calibration of the Fluorescence Telescopes of the Pierre Auger Observatory <i>The Pierre Auger Collaboration</i>	APP
8. Observation of a Large-scale Anisotropy in the Arrival Directions of Cosmic Rays above 8×10^{18} eV <i>The Pierre Auger Collaboration</i>	SCIENCE
9. Multi-messenger Observations of a Binary Neutron Star Merger <i>The Pierre Auger Collaboration</i>	ApJL

Eleven papers published in 2017 (Cont.):

Paper	Journal
10. Calibration of the Logarithmic-Periodic Dipole Antenna (LPDA) Radio Stations at the Pierre Auger Observatory using an Octocopter <i>The Pierre Auger Collaboration</i>	JINST
11. 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 <i>The Pierre Auger Collaboration</i>	PRD

Two papers submitted

Paper	Journal
1. Search for High-Energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory	ApJ
2. Indication of anisotropy in arrival directions of ultra-high-energy cosmic rays through comparison to flux pattern of extragalactic gamma-ray sources	ApJL

Papers in preparation (20)

Papers/Editorial Boards

Measurement of the fluctuations of number of muons

Probing the origin of UHECR with neutrinos in the EeV energy range

AERA NIM paper, technical documentation of AERA

Horizontal air showers recorded with AERA

SD reconstruction

EGMF extension of the combined fit

Lorentz Invariance Violation

First results from the AMIGA engineering array

Reconstruction of the arrival directions of cosmic rays with the AMIGA detector

Energy spectrum

Average Universal Shower Profile

Absolute Energy Calibration using Radio Emission

Extending the Xmax measurements down to 10^{17} eV using HEAT telescopes

Muon Production Depth

Space weather studies using low energy

Energy Scale

Search for a declination dependence in the flux of cosmic rays

Missing energy

Search for all-sky overdensities

SD tank simulation

Full-author-list Auger Conference Proceedings

YEAR	Conference Papers
2011	31 + 38 (ICRC)
2012	55
2013	39 + 34 (ICRC)
2014	38
2015	36 + 29 (ICRC)
2016	44
2017	26 + 30 (ICRC)

Recommendations

Recommendation 1

- 1) We would like to remind all collaborators of our Rules and Publication Policies, which you can find on the PC webpage at :

<http://augerpc.in2p3.fr/content/rules-and-policies>

- 2) Submissions to the arXiv have also to pass through the PC.

Recommendation 2

- **Don't try** to bypass the PC by not sending us your paper.
- We are in the 21th century.
- We will spot it immediately on the Internet!

Recommendation 3

3) We would also like to recommend: please read our **Auger House Style** at

[http://augerpc.in2p3.fr/content/instructions-and-utilities.](http://augerpc.in2p3.fr/content/instructions-and-utilities)

Besides being very useful to all of us, this document was written by Alan Watson in one of his inspired days, so it is funny to read it.

Recommendation 4

for authors of conference proceedings

4) Please send us your manuscript at least two weeks before your deadline.

We need time to revise and interact with you.

One week is then taken for the Collaboration review.

If you are late, we will ask you to contact the organizers asking for an extension.

***Thank you for your
attention!***