Report from the Publication Committee

Piera Ghia, Roger Clay, Carola Dobrigkeit, Ralph Engel, Diego Harari, Karl-Heinz Kampert, Jim Matthews

- 1. News
  - 1.1 New PC mailing list
  - 1.2 New PC website
- 2. Papers
  - 2.1 Full collaboration papers (FAL)
  - 2.2 Proceedings
  - 2.3 "Short-author-list" papers (SAL)
  - 2.4 On the ratio FAL/SAL
- 3. Conference/Proceedings plots
- 4. Proposals for the CB on ICRC 2011

1.1. News - PC mailing list

- New e-mail address (auger_pc@fnal.gov)
- Well received (and much used ;-) by the collaboration
- Allows reception of messages by the whole PC (allowing holidays to PC members ;-)
- Allows messages archiving (for future reference)
- *Many thanks to Hank Glass (FNAL) for his technical help!*

1.2. News - PC website

- New PC website (http://augerpc.in2p3.fr/)
- Hosted at Lyon CC
- Underlying structure (DRUPAL, freeware) in use in ALICE too. Flexible. User-friendly
- Transfer of all relevant files from old Jim's site done (e.g., all journal publications)
- To be done: archive of all the other Auger publications (i.e., proceedings)
- Webmaster: Richard Randriatoamanana (LPNHE) aka CDAS Richard. *Many thanks to him for his infinite patience in complying with the PC wishes ;-)*

1.2. Example of a PC webpage

Current Drafts

- Under PC review
- Under collaboration review
- Under CB review
- Approved/Submitted

Publications

- Full Auger Papers
- Auger-related Papers

Proceedings

- Full Auger Papers
- Auger-related Papers

ICRC

- ICRC 2001
- ICRC 2003
- ICRC 2005
- ICRC 2007
- ICRC 2009

Title	Citation	Current version	Details
Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory	The Pierre Auger Collaboration, Nucl. Instr.and Meth. A (2011), doi:10.1016/j.nima.2011.01.049 (arXiv 1101.4473)	Download	view
Search for First Harmonic Modulation in the Right Ascension Distribution of Cosmic Rays Detected at the Pierre Auger Observatory	The Pierre Auger Collaboration, Astropart. Phys. 34 (2011), 627-639	Download	view
The Pierre Auger Observatory Scaler Mode for the Study of the Modulation of Galactic Cosmic Rays due to Solar Activity	The Pierre Auger Collaboration, JINST 6, P01003 (2011)	Download	view
The exposure of the hybrid detector of the Pierre Auger Observatory	The Pierre Auger Collaboration, Astroparticle Physics 34 (2011) 368–381	Download	view
Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter	The Pierre Auger Collaboration, Astroparticle Physics 34 (2010) 314–326	Download	view
The fluorescence detector of the Pierre Auger Observatory	The Pierre Auger Collaboration, NIM A 620 (2010) 227–251	Download	view
The northern site of the Pierre Auger Observatory	The Pierre Auger Collaboration, New Journal of Physics 12 (2010) 035001	Download	view
Measurement of the Depth of Maximum of Extensive Air Showers above 10^18 eV	The Pierre Auger Collaboration, Physical Review Letters, 104, 091101 (2010)	Download	view

I.2. Ex ebpage

Author List:
FAL: The Pierre Auger Collaboration

Article Information

Coordinator(s):
Hernan Asorey
Internal Referees:
Roger Clay, Karl-Heinz Kampert
Journal:
Journal of Instrumentation (JINST)
Citation:
The Pierre Auger Collaboration, JINST 6, P01003 (2011)

Main dates

Date of submission to PC:
29/04/2010
Date of submission to internal referees:
13/05/2010
Date of submission to Collaboration:
27/07/2010
Date of submission to journal:
17/08/2010
Date of journal acceptance:
01/12/2010
Date of publication:
12/01/2011

Uploaded Documents

First draft:
First draft
Discussion with internal referees:
Internal referees
Draft after internal referees:
Draft after referees
Collaboration comments:
Collaboration comments
Draft submitted to journal:
Submitted to journal
Journal referee report and answers:
Journal referees
Draft approved by journal:
Approved by journal
Final edition:
Final edition

Current Drafts
- Under PC review
- Under collaboration review
- Under CB review
- Approved/Submitted

Publications
- Full Auger Papers
- Auger-related Papers

Proceedings
- Full Auger Papers
- Auger-related Papers

ICRC
- ICRC 2001
- ICRC 2003
- ICRC 2005
- ICRC 2007
- ICRC 2009

Title		Current version	Details
Advanced functio the Offline softwa Pierre Auger Obs	Nucl. Instr.and Meth. 011.01.049 (arXiv	Download	view
Search for First H Right Ascension I Detected at the P	Astropart. Phys. 34	Download	view
The Pierre Auger for the Study of t Cosmic Rays due	ST 6,		
The exposure of t Pierre Auger Obs	Astroparticle Physics	Download	view
Update on the co energy cosmic ra extragalactic mat	Astroparticle Physics		view
The fluorescence Auger Observato	NIM A 620 (2010)	Download	view
The northern site Observatory	New Journal of	Download	view
Measurement of t Extensive Air Sho	Physical Review	Download	view

view

"History" of the paper

(thanks to Hernan for being the guinea pig ;-)

2. Papers: statistics

- Since the last meeting (15 weeks) the PC has handled 45 papers:
- 8 full Auger journal paper (FAL papers)
- 18 full Auger conference proceedings
- 19 papers (journal and proceedings) signed by ≥ 1 Auger member (SAL papers)
  - 11 non-Auger
  - 8 Auger-related

2.1. Full Auger journal papers (8)

Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory	The Pierre Auger Collaboration, Nucl. Instr.and Meth. A (2011), doi:10.1016/j.nima.2011.01.049 (arXiv 1101.4473)	Published
Search for First Harmonic Modulation in the Right Ascension Distribution of Cosmic Rays Detected at the Pierre Auger Observatory	The Pierre Auger Collaboration, Astropart. Phys. 34 (2011), 627-639	
The Pierre Auger Observatory Scaler Mode for the Study of the Modulation of Galactic Cosmic Rays due to Solar Activity	The Pierre Auger Collaboration, JINST 6, P01003 (2011)	
Measurement of Energy-Energy-Correlations with the Pierre Auger Observatory	FAL: The Pierre Auger Collaboration	With internal referees
Mass composition of UHECR using the Surface Detector of the Pierre Auger Observatory	FAL: The Pierre Auger Collaboration	With internal referees
Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory	FAL: The Pierre Auger Collaboration	**Back to PC after referees**
The Lateral Trigger Probability function for UHE Cosmic Rays Showers detected by the Pierre Auger Observatory	FAL: The Pierre Auger Collaboration	**Back to PC after referees**
Limit on the diffuse flux of ultra high energy neutrinos using the Surface Detector of the Pierre Auger Observatory	FAL: The Pierre Auger Collaboration	With internal referees

2.2. Conference proceedings (18)
Recommendation

When a proceedings comes to the PC:

1. *One (or two) PC members revise it, prepare a list of comments and/ or suggestions and send them to the author*
2. *The author revises the manuscript and send it back*
3. *The selected PC members re-revise it and give their OK*
4. *The proceedings is submitted to the collaboration for 1 week review*

The PC recommends that proceedings authors send their manuscript to the PC at least 2 weeks before their deadline [Closer interaction with the CC foreseen]

2.3. SAL papers (19)

- **NOW: all SAL papers**
  1. are inspected by the PC
  2. are brought to the attention of relevant task leaders
  3. are sent to CB for 1 week

- Though sometimes difficult to establish if a paper is "Non-Auger" or "Auger-related", in most cases **it is not**.

Examples of recent "Non-Auger" papers:

- LHC data and hadronic models (Pierog et al)
- Neutrinos/photons from AGN (Biermann et al)
- Fluorescence yield (Arqueros et al)

Examples of recent "Auger-related" papers:

- The analog board for HEAT (Guarino et al)
- LIV and UHECR composition (Sigl et al)
- The AMIGA scintillator test system (Platino et al)

- **Current procedure rather "heavy", both for the PC (and the CB) and for the good-willing authors of "Non-Auger" papers**

2.3. SAL papers

Proposal for the CB for dealing with SAL papers

1. They are inspected by the PC (and posted on the PC website)

2. They are brought to the attention of relevant task leaders

3. If the PC, helped by the task leaders, can make an easy decision that the paper is **non-Auger**, it gives the approval without consulting the CB

4. If the paper is **Auger-related** or if the PC cannot make a decision, then it is sent to the CB for 1-week inspection

2.4. On the ratio FAL/SAL papers

From CB minutes – April 2009

...[]...In conclusion, Danilo Zavrtanik stated that the Collaboration would make strong effort to ensure that full-author-list papers become the main option and short-author-list papers be limited to a small number of exceptions.

- Since end November the PC has handled 8 FAL papers (5 received after the meeting) and 8 SAL/Auger-related (7 received).
- To increase the FAL/SAL the PC strategy is helping to increase the number of FAL, not to abolish SAL papers (it may happen that a SAL paper becomes a FAL...)

2.4. On the ratio FAL/SAL papers

Lessons learnt/examples/perspectives:

- ✓ The LTP paper (Perrone): a technical one. Could have been a SAL (with no data, as it was at the beginning). The LTP concept is "Auger-native", it relies on its conceivers being Auger member. It belongs to the Auger collaboration -> FAL paper (thanks to the authors)
- ✓ The HEAT analog board paper (Guarino): SAL technical one. Too specific to be a FAL, it triggered the PC on the opportunity of a FAL paper on HEAT (task leaders contacted) -> FAL paper in the near future
- ✓ The AMIGA scintillator test system (Platino): SAL technical one. Too specific to be a FAL, but it triggered the PC on the opportunity of a FAL paper on AMIGA (task leaders contacted) -> FAL paper in the near future
- ✓ LIV and UHECR composition (Sigl): SAL theory paper. Too specific to be a FAL, but it triggered the PC on the opportunity of a FAL paper on LIV and Auger results (Sigl contacted) -> FAL paper in the near future

3. Conference/Proceedings plots
Reminder

- The PC is responsible for proposing and **maintaining a set of rules** for the release of data to the outside world
- General rule: unpublished plots and results cannot be presented at conferences neither published in proceedings (even if Auger proceedings)
- Exceptions can be made (e.g. for plots shown and approved at collaboration meetings, documented by Gap Notes, or for plots contained in papers submitted to journals...)
- **Permission must be requested to the PC. If granted, plots can be shown, but should not be uploaded in the conference site, neither published in the proceedings**
- *Many thanks to Antoine, Jose` and Michael for remembering this rule ;-)*

4. Proposal for the CB on ICRC 2011
Handling of the papers

4. Proposal for the CB on ICRC 2011
Release of the new results

Backup slides

2.3. Papers signed by ≥ 1 Auger member

(but not by the full collaboration - "SAL papers")

From PC policies – November 2006

5. All members of the Collaboration are requested to provide to the PC, prior to submission for publication, manuscripts on which they are an author or a coauthor and **which make reference to previously published Auger data or to the capabilities of the Observatory now or in the future.**

Auger-related papers

Clarification – March 2008

All papers using an incomplete author list should be shown to the PC before submission. **If the paper does not use any Auger data or results, then the PC will treat it as a "non Auger" paper** and inspect it only to ensure that it presents Auger accurately. All other papers with incomplete author lists must be approved by the PC and undergo the usual steps to approval. In addition, the PC will ask for assurance from Institutional representatives that the author list does not omit names of significant contributors to the work.

Non-Auger papers