

**14th CosPa Meeting: "Recent
results from gamma rays
astroparticle physics and
future detectors" followed by
PEPS Workshop**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday 27 October 2025 09:25 (5 minutes)

Presenters: MARIS, Ioana Codrina (ULB); Prof. STACHURSKA, Juliana

Session Classification: CosPa meeting

Contribution ID: 2

Type: **not specified**

Experimental results at the highest energies from LHAASO

Monday 27 October 2025 09:30 (40 minutes)

Presenter: Dr ZHA, Min (IHEP)

Session Classification: CosPa meeting

Contribution ID: 3

Type: **not specified**

Science case and plans for SWGO

Monday 27 October 2025 14:00 (40 minutes)

Presenter: Dr BAKALOVA, Alena (FZU, Prague)

Session Classification: CosPa meeting

Contribution ID: 4

Type: **not specified**

Theory: Diffuse flux of photons

Monday 27 October 2025 10:10 (40 minutes)

Presenter: Prof. MERTSCH, Philipp (RWTH)

Session Classification: CosPa meeting

Contribution ID: 5

Type: **not specified**

Search for photons beyond PeV

Monday 27 October 2025 11:20 (40 minutes)

Presenter: Prof. RISSE, Markus (University of Siegen)

Session Classification: CosPa meeting

Contribution ID: 7

Type: **not specified**

Probing Extreme PeVatron Sources (PEPS)

Monday 27 October 2025 14:40 (30 minutes)

Presenter: MARIS, Ioana Codrina (ULB)

Session Classification: CosPa meeting

Contribution ID: 9

Type: **not specified**

Astroparticle Observations in Japan

Monday 27 October 2025 12:00 (40 minutes)

Presenter: Prof. FUJII, Toshihiro (OMU)

Session Classification: CosPa meeting

Contribution ID: **10**

Type: **not specified**

Searches for PeV Gamma Rays with IceCube

Monday 27 October 2025 15:52 (11 minutes)

Presenter: PARENTI, Andrea (ULB)

Session Classification: Contributions from young researchers

Contribution ID: **11**

Type: **not specified**

Distinguishing Dark Matter Properties through Large Scale Structure

Monday 27 October 2025 16:03 (11 minutes)

Presenter: LI, Yuan-Zhen (CP3, UCLouvain)

Session Classification: Contributions from young researchers

Contribution ID: 12

Type: **not specified**

Observation of the Shadows of the Moon and Sun Using the Pierre Auger Observatory at an Average Energy of 7×10^{17} eV

Monday 27 October 2025 16:14 (11 minutes)

Presenter: SIMKOVA, Katarína (Vrije Universiteit Brussel)

Session Classification: Contributions from young researchers

Contribution ID: 13

Type: **not specified**

The Biggest Bangs: Traces of turbulence in GRBs

Monday 27 October 2025 16:36 (11 minutes)

Presenter: MAGNUS, Else (Vrije Universiteit Brussel)

Session Classification: Contributions from young researchers

Contribution ID: 14

Type: **not specified**

Probing Solar Heavy Neutrinos with Heliospheric Electrons

Monday 27 October 2025 16:25 (11 minutes)

Presenter: WEBER, Valentin (CP3, UCLouvain)

Session Classification: Contributions from young researchers

Contribution ID: 15

Type: **not specified**

Tau neutrino reconstruction in IceCube with bright and DeepCore DOMs

Monday 27 October 2025 15:41 (11 minutes)

Presenter: ELDRIDGE, Christopher (Ghent University)

Session Classification: Contributions from young researchers

Contribution ID: 16

Type: **not specified**

Analysis of Inclined Air Showers with TA Surface Detector Array

Monday 27 October 2025 16:47 (11 minutes)

Presenter: KOYAMA, Chisato (ICRR, The University of Tokyo)

Session Classification: Contributions from young researchers

Contribution ID: 17

Type: **not specified**

Toward EeV Neutrino Search with the TA Surface Detector Array

Monday 27 October 2025 15:30 (11 minutes)

Presenter: TAKAHASHI, Kaoru (ICRR, the University of Tokyo)

Session Classification: Contributions from young researchers

Contribution ID: **18**

Type: **not specified**

Diffuse emission and galactic super-Pevatrons including microquasars (online)

Tuesday 28 October 2025 14:00 (45 minutes)

Presenter: Prof. MURASE, Kohta (PSU)

Session Classification: Workshop

Contribution ID: **19**

Type: **not specified**

Discussion

Tuesday 28 October 2025 14:45 (30 minutes)

Session Classification: Workshop

Contribution ID: 21

Type: **not specified**

Search for Ultraheavy Nuclei in the Profiles of Galactic Cosmic Ray Air Showers and Construction of an Air Shower Array at the Akeno Observatory

Tuesday 28 October 2025 10:00 (40 minutes)

Presenter: Prof. KIDO, Eiji (ICRR, University of Tokyo)

Session Classification: Workshop

Contribution ID: 22

Type: **not specified**

Depends on what we expect (GCOS-PEPS synergies(?))

Tuesday 28 October 2025 11:10 (30 minutes)

Presenter: Prof. HORANDEL, Jorg (Radboud University)

Session Classification: Workshop

Contribution ID: 23

Type: **not specified**

Multi-PMT prototype for SWGO

Tuesday 28 October 2025 15:35 (30 minutes)

Presenter: LAVITOLA, Luigi (INFN Napoli)

Session Classification: Workshop

Contribution ID: 24

Type: **not specified**

Characterisation of the 8-inch PMTs

Tuesday 28 October 2025 16:05 (30 minutes)

Presenter: FERNANDEZ ALONSO, Mateo (ULB)

Session Classification: Workshop

Contribution ID: 25

Type: **not specified**

Discussion on PMTs

Tuesday 28 October 2025 16:35 (30 minutes)

Session Classification: Workshop

Contribution ID: 26

Type: **not specified**

Discussion on electronics

Tuesday 28 October 2025 17:05 (1 hour)

Session Classification: Workshop

Contribution ID: 27

Type: **not specified**

Point of discussion: Synergies with other experiments

Wednesday 29 October 2025 10:00 (30 minutes)

Session Classification: Workshop

Contribution ID: 28

Type: **not specified**

Point of discussion: Management and organization of PEPS

Wednesday 29 October 2025 10:30 (30 minutes)

Session Classification: Workshop

Contribution ID: 29

Type: **not specified**

Point of discussion: Mechanical parts of detector

Wednesday 29 October 2025 11:00 (30 minutes)

Session Classification: Workshop

Contribution ID: **30**

Type: **not specified**

Point of discussion: Electronics (including comms)

Wednesday 29 October 2025 11:30 (30 minutes)

Session Classification: Workshop

Contribution ID: **31**

Type: **not specified**

Point of discussion: Science case at PeV region

Wednesday 29 October 2025 09:30 (30 minutes)

Session Classification: Workshop

Contribution ID: 32

Type: **not specified**

Point of discussion: Software development and archiving

Wednesday 29 October 2025 14:30 (30 minutes)

Session Classification: Workshop

Contribution ID: 33

Type: **not specified**

Point of discussion: Deployment and commissioning

Wednesday 29 October 2025 15:00 (30 minutes)

Session Classification: Workshop

Contribution ID: 34

Type: **not specified**

Point of discussion: Integration within Auger

Wednesday 29 October 2025 15:30 (30 minutes)

Session Classification: Workshop

Contribution ID: 35

Type: **not specified**

Point of discussion: Building prototypes

Wednesday 29 October 2025 14:00 (30 minutes)

Session Classification: Workshop

Contribution ID: 36

Type: **not specified**

Final remarks and next steps

Wednesday 29 October 2025 16:00 (30 minutes)

Session Classification: Workshop