



# The First Edition of the African Conference on High Energy Physics

## Monday, 23 October 2023

### Astroparticle Physics and Cosmology: Astroparticle Physics and Cosmology (15:06 - 16:35)

-Conveners: Leïla Haegel

| time  | [id] title   | presenter                   |
|-------|--|-----------------------------|
| 15:06 | [151] LIGO-Virgo-KAGRA results and status of the current fourth observing run  | KEITEL, David               |
| 15:31 | [96] Persistent sources of Gravitational Waves in the Advanced detector era  | PICCINNI, Ornella Juliana   |
| 15:44 | [166] Status and Latest Results from LHAASO on Y-ray and Cosmic Ray Physics  | Dr SIMING, Liu              |
| 15:59 | [97] Dynamical and Topological Descriptions of Born-Infeld-AdS Black Hole Thermodynamics                                     | KHALLOUFI, Jamal            |
| 16:25 | [85] Electromagnetic neutrinos: The basic interaction processes and constraints from laboratory experiments and astrophysics | Prof. STUDENIKIN, Alexander |

# Friday, 27 October 2023

## Astroparticle Physics and Cosmology: Astroparticle Physics and Cosmology (09:00 - 10:30)

-Conveners: Malak Ait Tamlihat

| time  | [id] title   | presenter             |
|-------|--|-----------------------|
| 09:00 | [18] Exploring the Potential of Multi-Detector Analyses for Core-Collapse Supernova Neutrino Detection             | BENDAHDMAN, Meriem    |
| 09:25 | [106] Search for nuclearites with the ANTARES neutrinos telescope  | BOUTA, Mohammed       |
| 09:38 | [86] Wave packet treatment of neutrino flavour and spin oscillations in galactic and extragalactic magnetic fields | POPOV, Artem          |
| 09:51 | [101] Neutrino spin states in moving matter and the effect of neutrino spin light                                  | STUDENIKIN, Alexander |
| 10:04 | [17] Holographic Entanglement Entropy  | TARIQ, Safae          |
| 10:17 | [70] Holographic F(Q,T) gravity with Lambert solution  | FILALI, Houda         |