

Session Program

28 November 2016 to 2 December 2016

CosPA 2016

Particle astrophysics

Monday 28 November

14:00

Particle astrophysics

Session | **Location:** SNH, 3001 | **Convener:** Clancy James

14:00–14:20 **Measuring the Leptonic Dirac CP Phase with Muon Decay at Rest**

Speaker

Shao-Feng Ge

14:20–14:40 **Neutrino mass and hierarchy determinatiion from new physics**

Speaker

Prativa Pritimita

14:40–15:00 **Measuring the Neutrino Mass Ordering with KM3NeT-ORCA**

Speaker

Antoine David Kouchner

15:00–15:20 **Highlights of the ANTARES neutrino telescope results**

Speaker

Annarita Margiotta

15:20–15:40 **Muon energy reconstruction in large-scale neutrino detectors**

Speaker

Sally Robertson

15:40

16:10

Particle astrophysics

Session | **Location:** SNH, 3001 | **Convener:** Roland Crocker

16:10–16:30

Prospects for detection of neutrinos in correlation with starburst galaxies

Speaker

Alex Kyriacou

16:30–16:50 **Collapse of Axion Stars**

Speaker

Rohana Wijewardhana

16:50–17:10

Soft X-ray excess from cosmic ALPs in magnetohydrodynamical cluster simulations

Speaker

Stephen Angus

17:10

Tuesday 29 November

16:10

Particle astrophysics

Session | **Location:** SNH, 3003 | **Convener:** Mercedes Paniccia

16:10–16:30

Precision Measurement of the Positron, Electron and Antiproton Fluxes in Primary Cosmic Ray with the Alpha Magnetic Spectrometer on the International Space Station

Speaker

Zhili Weng

16:30–16:50

Precision Measurement of Nuclei Fluxes and their Ratios in Primary Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station

Speaker

Valerio Formato

16:50–17:10

Astrophysical signatures from Galactic positronium, true muonium and true tauonium

Speaker

Simon Ellis

17:10–17:30

The Statistics of Unresolved Point-Source Populations

Speaker

Nicholas Rodd

17:30–17:50

Gas Towards Gamma-Ray-Emitting Supernova Remnants

Speaker

Nigel Maxted

17:50