



# 24th Australian Institute of Physics Congress

## Thursday 15 December 2022

### AIP: Group for Astroparticle Physics / Astronomy: GAP 1 - Room R3 (11:00 - 12:30)

-Conveners: Alexander Heger

time	[id] title	presenter
11:00	[777] The SKA Observatory: progress towards the next generation of radio astronomy	Dr PEARCE, Sarah
11:30	[246] CTA status and Oz-MWL linkages	FILIPOVIC, Miroslav
11:45	[584] Neutrino Astronomy and Astroparticle Physics with IceCube	HILL, Gary
12:00	[301] Recent results in TeV gamma-ray astronomy with H.E.S.S.	ROWELL, Gavin
12:15	[73] Detection of the Sagittarius Dwarf Spheroidal Galaxy in Gamma-Rays	CROCKER, Roland

### AIP: Group for Astroparticle Physics / Astronomy: GAP 2 - Room R3 (14:00 - 15:30)

-Conveners: Celine Boehm

time	[id] title	presenter
14:00	[766] Latest Results on Ultra-High Energy Cosmic Rays from the Pierre Auger Observatory	DAWSON, Bruce
14:30	[527] Constraining the Number of Neutrino Sources from Events Observed by IceCube using Importance Sampling	ROBERTS, Ella
14:45	[609] Modelling the Gamma-ray Morphology of the Supernova Remnant W28	EINECKE, Sabrina
15:00	[431] Gamma-ray and Neutrino Emission from Supernova Remnants and Molecular Clouds	BURLEY, Ryan
15:15	[234] Constraints on Light Dark Matter from Cosmic Ray Upscattering	SHAUKAT ALI, Iman

### AIP: Group for Astroparticle Physics / Astronomy: GAP 3 - Room R3 (16:00 - 17:30)

-Conveners: Tamara Davis

time	[id] title	presenter
16:00	[765] An observational perspective on tidal disruption events	GOODWIN, Adelle
16:45	[153] Enhancing gravitational-wave burst detection confidence in expanded detector networks with the BayesWave pipeline	Ms LEE, Yi Shuen Christine
17:00	[311] The TeV Diffuse Gamma-ray Emission: Time Variability and Prospects for Future Detection	Dr ROWELL, Gavin
17:15	[475] A Compound Poisson Generator approach to Point-Source Inference in Astrophysics	COLLIN, Gabriel

# Friday 16 December 2022

**AIP: Group for Astroparticle Physics / Astronomy: GAP 4 - Room R3 (09:00 - 10:30)****-Conveners: Gavin Rowell**

time	[id] title	presenter
09:00	[763] Cosmic relics from fundamental physics	Prof. KOBAKHIDZE, Archil
09:30	[581] Development of a prototype direction sensitive dark matter detector	MCKIE, Lachlan
09:45	[279] Axion phenomenology in magnetized neutron stars	Dr ANZUINI, Filippo
10:00	[436] Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Centre	ROBERTS, Benjamin