



# First Pan-African Astro-Particle and Collider Physics Workshop

## Monday 21 March 2022

### Parallel Session I, Astro-Particle (14:30-18:00)

**-Conveners: Hassan Abdalla; Claudio Paulo**

time	[id] title	presenter
14:30	[5] T2K Status and Plans	MCCAULEY, Neil
14:45	[56] KM3NeT: Status and perspectives for neutrino astronomy from the MeV to the PeV	CHEN, Andrew
15:00	[62] Correlation between IceCube neutrinos and X-ray flaring blazars	FU, Matthew GOVENOR, Timothy KING, Quentin
15:15	[37] Searching for new physics during gravitational waves propagation	HAEGEL, Leïla
15:30	[33] Search for Magnetic Monopoles with ten years of ANTARES data	BOUMAAZA, Jihad
15:45	[64] Search for nuclearites in nine years of ANTARES data	BOUTA, Mohammed
16:00	Coffee Break	
16:30	[34] Solar constraints on captured electrophilic dark matter	BOSE, Debajit
16:45	[24] Thermal production of early dark matter from van der Waals fluid	Dr BOUSDER, M.
17:00	[10] Deflection angle of light rays by accelerating black holes with cosmological constant	BELMAHI, Hajar
17:15	[67] Dark Matter Direct and Indirect Detection	CHERIEF, houria
17:30	[12] Thermodynamic of black holes in a cavity from shadow formalism	Dr BENALI, Mohamed
17:45	[45] MeerKAT and dark matter	BECK, Geoff