

First Pan-African Astro-Particle and Collider Physics Workshop

Tuesday 22 March 2022

Parallel Session III, Astro-Particle (14:00-18:00)

-Conveners: Andrew Chen; Mourad Telmini

time	[id] title	presenter
14:00	[43] Lorentz Invariance Violation tests in astroparticle physics	ABDALLA, Hassan
14:15	[51] The lambda hyperon and the hyperon puzzle	GERMAN, Wazha
14:30	[53] Thermodynamics of magnetised dense neutron-rich matter	Dr DIENER, Jacobus
14:45	[59] Thermodynamic analysis of the BTZ black hole in $f(R)$ gravity	SHALABY, Asmaa
15:00	[65] ALP-Photon interaction in magnetized environment of a compact star	CHAUBEY, Ankur
15:15	[52] Exploring the Impact of Magnetic field on Core-Collapse Supernova Neutrino Light Curves Detection.	BENDAHMAN, Meriem
15:30	Coffee Break	
16:00	[87] Study of muon-induced background in Double Chooz neutrino oscillation experiment.	Dr KALE SAYI, Kenny
16:15	[27] Probing 2HDM+S with MeerKAT Galaxy Cluster Legacy Survey data	LAVIS, Natasha
16:30	[72] GEANT4 MONTE-CARLO SIMULATION AND MEASUREMENT OF GAMMA RAY ATTENUATION IN CONCRETE	Mr PONDO, JOSHUA
16:45	[84] A Study to the Mass Effect due to Variation of Particle Type on the Femtoscopic Correlation Using Therminator2 Event Generator	Mr IBRAHIM ABDULHAMID ELSAYED, Muhammad
17:00	[69] Recoil Kinematics in Radiative Energy Loss	RENECLE, Antonio
17:15	[17] Azimuthal decorrelation between jets at all orders in QCD hard processes	BENSLAMA, Hana
17:30	[86] Are Jets Narrowed or Broadened in e+A SIDIS?	HOROWITZ, Will