



# The 3rd African Conference on Fundamental and Applied Physics (ACP2023)

## Monday, September 25, 2023

**Nuclear and Particle Physics - Regency Room (11:00 AM - 12:30 PM)**

**-Conveners: Ulrich Goerlach; Ketevi Adikle Assamagan**

time	[id] title	presenter
11:00 AM	[53] Neutrinos as a Window into New Physics beyond the Standard Model	Prof. CHEN, Mu-Chun
11:30 AM	[213] Unveiling New Frontiers in Particle Physics: Exploring Beyond the Standard Model at the LHC	REJEB SFAR, Haifa
12:00 PM	[200] The Naturally Unnatural Standard Model of Particle Physics	Prof. SHAH, Nausheen

## Tuesday, September 26, 2023

### Nuclear and Particle Physics - Regency Room (9:00 AM - 9:30 AM)

-Conveners: Deepak Kar; Ulrich Goerlach; Diallo Boye

time	[id] title	presenter
9:00 AM	[68] Boosting Physics in Africa within the ASFAP Strategy: Particle physics as prototype	Prof. CHABAB, Mohamed

### Nuclear and Particle Physics - Regency Room (11:00 AM - 11:30 AM)

-Conveners: Deepak Kar; Mohamed Chabab; Chilufya Mwewa

time	[id] title	presenter
11:00 AM	[108] The beauty of the Higgs boson	CAMACHO TORO, Reina Coromoto

### Nuclear and Particle Physics - Regency Room (11:30 AM - 12:30 PM)

-Conveners: Deepak Kar; Benard Mulilo; Mohamed Chabab

time	[id] title	presenter
11:30 AM	[71] The Physics of a Trillion Degrees	HOROWITZ, William Alexander
12:00 PM	[87] Electromagnetic Field Evolution in Relativistic Heavy Ion Collision and its Effect on Flow of Particles	Dr GEZHAGN, Tewodros

## Wednesday, September 27, 2023

### Nuclear and Particle Physics - Regency Room (9:00 AM - 9:30 AM)

-Conveners: Reina Coromoto Camacho Toro; Haifa Rejeb Sfar

time	[id] title	presenter
9:00 AM	[197] Compact Colliders of Tomorrow for High Energy Physics	DASU, Sridhara

### Nuclear and Particle Physics - Regency Room (6:00 PM - 6:30 PM)

-Conveners: Sridhara Dasu; Haifa Rejeb Sfar

time	[id] title	presenter
6:00 PM	[37] The Quest for Physics Beyond the Standard Model	Prof. KHALIL, Shaaban

# Thursday, September 28, 2023

## Nuclear and Particle Physics - Regency Room (10:00 AM - 10:30 AM)

-Conveners: Chilufya Mwewa; Ibrahima Bah

time	[id] title	presenter
10:00 AM	[229] Novel probes of dark matter at the LHC	KAR, Deepak