



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

## Monday, 25 September 2023

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

-Conveners: Ulrich Goerlach; Ketevi Adikle Assamagan

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

## Tuesday, 26 September 2023

### Nuclear and Particle Physics - Regency Room (09:00 - 09:30)

-Conveners: Deepak Kar; Ulrich Goerlach; Diallo Boye

time	[id] title	presenter
09:00	[68] Boosting Physics in Africa within the ASFAP Strategy: Particle physics as prototype	Prof. CHABAB, Mohamed

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

-Conveners: Deepak Kar; Mohamed Chabab; Chilufya Mwewa

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

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

-Conveners: Deepak Kar; Benard Mulilo; Mohamed Chabab

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

## Wednesday, 27 September 2023

### Nuclear and Particle Physics - Regency Room (09:00 - 09:30)

-Conveners: Reina Coromoto Camacho Toro; Haifa Rejeb Sfar

time	[id] title	presenter
09:00	[197] Compact Colliders of Tomorrow for High Energy Physics	DASU, Sridhara

### Nuclear and Particle Physics - Regency Room (18:00 - 18:30)

-Conveners: Sridhara Dasu; Haifa Rejeb Sfar

time	[id] title	presenter
18:00	[37] The Quest for Physics Beyond the Standard Model	Prof. KHALIL, Shaaban

# Thursday, 28 September 2023

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

-Conveners: Chilufya Mwewa; Ibrahima Bah

time [id] title

presenter

10:00	[229] Novel probes of dark matter at the LHC	KAR, Deepak
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