

**Session Program**

**Apr 24 - 26, 2023**

**Applications of Quantum Information in  
Astrophysics and Cosmology**

***Research Talk 11: QIT/ML/Neutrinos/  
Astrophysics/Cosmology***

# Wed, April 26

4:00 PM

## Research Talk 11: QIT/ML/Neutrinos/Astrophysics/Cosmology Session

4:00 - 4:15 PM **New exact vacuum solutions and wormholes in  $R^2$  gravity**

**Speaker**

Dr Hoang Nguyen

4:15 - 4:30 PM

**COMPARISON BETWEEN CHAPLYGIN GAS AND BULK VISCOUS COSMOLOGICAL MODELS**

**Speaker**

Mfanafuthi Msweli

4:30 - 4:45 PM **Modified Teleparallel Gravity**

**Speaker**

Shambel Sahlu

4:45 - 5:00 PM **Quantum Chaos and Phase Transitions**

**Speaker**

Nitin Gupta

5:00 PM