

NITheCS Focus Area Workshop: “Decoding the Universe: Quantum Gravity and Quantum Fields”

Wednesday 16 July 2025

Day 1 (10:00 - 12:30)

time	[id] title	presenter
10:00	[6] Welcome and opening of Workshop	PETRUCCIONE, Francesco
10:20	[1] Complexity measures in holography	VAN ZYL, Jaco
10:40	[2] Quantum applications in material design and discovery	TSHWANE, David
11:00	Tea break	
11:30	[3] Quantum phases beyond classical shadows: A new framework for gravitational wave effects	NANDI, Partha
11:50	[4] Integrable structures (and beyond) in supersymmetric gauge theory	ZOUBOS, Costas
12:10	[5] The future of mathematical discovery	JEJJALA, Vishnu