

Session	Time	Speaker	Affiliation	Title
Spin, topology, superconductivity	Tue, April 9, 9:00 a.m.	Thore Posske	University of Hamburg	Adiabatic effects, mid-spectrum anomalies, and exotic quasiparticles in easy-plane quantum magnets
Spin, topology, superconductivity	Tue, April 9, 9:40 a.m.	Andrew Forbes	WITS University	Finding invariances in the topology of light
Spin, topology, superconductivity	Tue, April 9, 10:40 a.m.	Izak Snyman	WITS University	Zero-energy quasiparticles in an interacting nanowire containing a topological Josephson junction
Spin, topology, superconductivity	Tue, April 9, 11:20 a.m.	Niccolò Traverso-Ziani	University of Genoa	Bound states, superconducting diodes, and quantum batteries in topological systems
Geometrical aspects of quantum systems and coherent states	Tue, April 9, 2:30 p.m.	Bruce Bartlett	Stellenbosch University	Quantum angular momentum from the perspective of coherent states and geometric quantization
Geometrical aspects of quantum systems and coherent states	Tue, April 9, 3:10 p.m.	Jeff Murugan	University of Cape Town	Quantum Complexity as a Probe of Topological Quantum Phase Transitions
Geometrical aspects of quantum systems and coherent states	Tue, April 9, 4:10 p.m.	Herbert Weigel	Stellenbosch University	Binding energies of BPS vortices
Geometrical aspects of quantum systems and coherent states	Tue, April 9, 4:50 p.m.	Hendrik van Zyl	University of Cape Town	Coherent States and Quantum Complexity
Noncommutative quantum mechanics, decoherence and quantum many-body systems	Wed, April 10, 9:00 a.m.	Johannes Kriel	Stellenbosch University	Universal cooling dynamics towards a quantum critical point
Noncommutative quantum mechanics, decoherence and quantum many-body systems	Wed, April 10, 9:40 a.m.	Aniekan Magnus Ukpog	University of KwaZulu-Natal	Unraveling Quantum Criticality in 2D Magnetism
Noncommutative quantum mechanics, decoherence and quantum many-body systems	Wed, April 10, 10:40 a.m.	Frederik Scholtz	Stellenbosch University	Introduction to non-commutative quantum mechanics
Noncommutative quantum mechanics, decoherence and quantum many-body systems	Wed, April 10, 11:20 a.m.	Partha Nandi	Stellenbosch University	Magnetically Induced "Schrödinger Cat" States: The Shadow of a Quantum Space
Quantum technologies/computers and machine learning	Wed, April 10, 2:30 p.m.	Mark Tame	Stellenbosch University	Quantum computing using IBM superconducting processors
Quantum technologies/computers and machine learning	Wed, April 10, 3:10 p.m.	Francesco Petruccione	Stellenbosch University	tba
Quantum technologies/computers and machine learning	Wed, April 10, 3:50 p.m.	Graeme Pleasance	Stellenbosch University	Nonequilibrium quantum heat transport between structured environments