

SAIP2013

Tuesday 09 July 2013

Theoretical (10:30-12:10)

-Conveners: Kristian Müller-Nedebock

time	[id] title	presenter
10:30	[90] The March 2015 total solar eclipse and its potential for testing the General Theory of Relativity	Prof. COMBRINCK, Ludwig
10:50	[551] Preliminary site survey for a laser interferometer gravitational-wave observatory (LIGO) for South Africa	Prof. COMBRINCK, Ludwig
11:10	[269] Investigation of Phase Transitions in Tungsten Trioxide	Mr GOVENDER, Malcolm

Theoretical (14:10-15:10)

Theoretical (15:40-16:40)

Wednesday 10 July 2013

Theoretical (09:00-10:00)

-Conveners: **Frederik Scholtz**

time	[id] title	presenter
09:00	[184] Three-body Bound state calculations	Mr MUKERU, Bahati
09:20	[583] DIVISION MEETING	

Theoretical (10:30-11:50)

-Conveners: **Thomas Konrad**

time	[id] title	presenter
10:30	[451] Modelling the stability of a semiflexible network tethered to a membrane	Prof. MÜLLER-NEDEBOCK, Kristian
10:50	[6] Concavity of energy surfaces	Prof. KARATAGLIDIS, Steven
11:10	[75] Heavy Baryons with Strangeness	Mr BLANCKENBERG, Jaco
11:30	[505] Finite-size key in QKD protocols for Renyi entropies	Mr MAFU, Mhlambululi

Theoretical (13:50-15:10)

-Conveners: **Francesco Petruccione**

time	[id] title	presenter
13:50	[365] The Emergence of Gravitational Spaces	Mr MOOLMAN, Simon
14:10	[186] Simulating Black-Hole Radiation.	Mr CARLSON, Warren
14:30	[188] Black-Hole Pulsar Binaries: Simulations on the Grid.	Mr CARLSON, Warren
14:50	[568] Nuclear Matter Equation of State and the Neutron Stars	Prof. MURONGA, Azwinndini

Theoretical (15:40-16:40)

-Conveners: **Azwinndini Muronga**

time	[id] title	presenter
15:40	[524] Quantum Teleportation of photonic multi-level systems	Prof. KONRAD, Thomas
16:00	[509] Nitrogen-Vacancy colour centre in diamond characterization using QUANTUM ESPRESSO	Mr ZULU, Bheki
16:20	[463] Quantum Measurements Along Accelerated World-Lines	Mr HARTMAN, Jonathan

Friday 12 July 2013

Theoretical (09:00-10:00)

-Conveners: Frederik Scholtz

time	[id] title	presenter
09:00	[260] Quantum teleportation, quantum scissor and quantum transcription	Dr GOYAL, Sandeep
09:20	[258] Scalable implementation scheme for quantum walks using classical light	Dr GOYAL, Sandeep

Theoretical (10:30-11:50)

-Conveners: Steven Karataglidis

time	[id] title	presenter
10:50	[262] A review of generalized and unsharp measurements	Ms BASSA, Humairah
11:10	[274] NON-SPECIALIST: Classical optics in the language of quantum mechanics	Prof. KONRAD, Thomas