



# SAIP2016

## Wednesday 06 July 2016

### Applied Physics (2): Metrology - LT2 (09:40-10:40)

-Conveners: **Andy Buffler**

time	[id] title	presenter
09:40	[290] The re-definition of the of mass	Dr KARSTEN, Aletta
10:00	[541] Towards a new standard for electrical current in South Africa	Prof. BLUMENTHAL, Mark
10:20	[374] Single-photon, single-pixel camera	Mr BERRY, Gareth

### Applied Physics (2): Metrology (11:10-12:10)

-Conveners: **Wynand Louw**

time	[id] title	presenter
11:10	[539] Performance characterisation for Positron Emission Particle Tracking at "PEPT Cape Town"	Prof. BUFFLER, Andy
11:30	[540] Considerations when interpolating discrete measurements of continuous functions: applications to particle tracking in physical systems	Dr LEADBEATER, Thomas
11:50	[524] Measurement of <sup>238</sup> U fission cross sections using quasi-monoenergetic neutrons with energies from 35 MeV to 100 MeV.	Mr GEDULD, Dieter

### Applied Physics (2): Metrology - LT2 (14:00-15:40)

-Conveners: **Aletta Karsten**

time	[id] title	presenter
14:00	[542] Primary liquid scintillation radioactivity measurement capabilities of NMISA	Mr VAN ROOY, Milton
14:20	[543] Secondary standard instrumentation used at NMISA for radioactivity measurement	Mrs LUBBE, Joline
14:40	[511] Comparison of low frequency accelerometer measurement results obtained from three different laboratories.	Mr TYALIMPI, Vumile
15:00	[130] Accurate Volume Measurements of Irregular Objects at NMISA	Mr NDLOVU, Bongani