

SPRING WORKSHOP

ON

GEANT4

LOW ENERGY NUCLEAR PHYSICS

SWG 2013

28TH OCTOBER – 2 NOVEMBER

LORD CHARLES HOTEL, SOMERSET WEST, SOUTH AFRICA

*The workshop
addresses*

topics in

*low-energy
nuclear physics.*

The lectures

*will be combined
with practical sessions.*

*All participants
are*

kindly requested

to bring own

laptops

with installed

GEANT4

and ROOT.

Instructions?

On the web-site...

Topics:

- ❖ Introduction to GEANT4
- ❖ Gamma-ray spectrometers
- ❖ Charged particles
- ❖ Scintillators
- ❖ Total Absorption Spectroscopy
- ❖ Simulations of electric and magnetic fields
- ❖ Neutron physics and detectors

Organizing committee:

- *Elena Lawrie, iThemba LABS, South Africa*
- *Martin Venhart, Institute of Physics, Slovak Academy of Sciences, Slovakia*
- *Naomi Haasbroek, iThemba LABS, South Africa*
- *Richard Newman, Stellenbosch University, South Africa*
- *Steve Peterson, University of Cape Town, South Africa*
- *Nico Orce, University of the Western Cape, South Africa*
- *Rudolph Nchodu, iThemba LABS, South Africa*
- *Kobus Lawrie, iThemba LABS, South Africa*
- *Michelle Van Der Ventel-Bark, iThemba LABS, South Africa*
- *Sharon Zaayman, iThemba LABS, South Africa*

Invited speakers:

- ✓ **Gergely Soti** (KU Leuven) – electrons
- ✓ **Marc Labiche** (STC Daresbury, UK) - gamma rays tracking
- ✓ **Enrique Nacher** (CSCI Madrid) - scintillators, TAS techniques
- ✓ **Martin Venhart** (IP SASc Bratislava, Slovakia) - simulations of complex level schemes
- ✓ **Alexander Howard** (ETH Zurich) – electromagnetic physics, electrons
- ✓ **Emilio Mendoza Cembranos** (CIEMAT Madrid) - neutrons

Contact us:

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