

Neutron Metrology Workshop



Top left: Dr Andy Buffler (Head of Physics Department, UCT)

Top right: Dr Wynand Louw – Director of Research and Technology Development, National Metrology Institute of South Africa (NMISA).

Bottom left: Dr. Jean-François Bottollier-Depois – Deputy Director of the Department of Radiation Protection for Humans, Institut de Radioprotection et de Sûreté Nucléaire (IRSN) in France.

Bottom right: Dr Jörn Stenger – Member of the Presidential Board, Physikalisch-Technische Bundesanstalt (PTB) in Germany.

The neutron physics group from the nuclear physics department of iThemba LABS hosted a Neutron metrology workshop on Thursday 16 February, which took place in the main auditorium.

The current collaboration is between iThemba LABS – NMISA – UCT (SA), IRSN (France), PTB (German). The collaboration's first objective is to assess the possibility of upgrading the iThemba LAB's quasi-monoenergetic neutron beam facility to meet the requirements of a metrology facility for neutron beams in the energy range of 30 MeV – 200MeV. There were presentations and discussions on technicalities around achieving this objective.

Amongst those attending the workshop were Dr Faïçal Azaiez (iThemba LABS director), Dr Jörn Stenger (Deputy President PTB), Dr Wynand Louw (Research Director, NMISA), Dr Andy Buffler (Physics Department, UCT), and Mr Ndwakhulu Mukhufhi (CEO, NMISA).