

AGENDA

NEUTRON USERS CLUB MEETING 25 OCTOBER 2007

10:00 Registration and coffee

10:30 Welcome

David Thomas

**The NPL neutron metrology program for 2007 – 2010
and collaborative projects**

Steven Judge

The new NPL manganese bath facility

Neil Roberts

**Measurement of photon doses in NPL's neutron fields
using halogen quenched GM tubes**

Chris McKay

**Black-box Monte Carlo: Implications on simulation
of neutron detectors**

Mary Chin

NPL's neutron transport modelling capabilities

Graeme Taylor/
Neil Roberts

12:30 LUNCH

**Neutron and gamma diagnostics & the JET project:
status and developments**

Brian Syme

**The replacement of cadmium as a thermal neutron
filter**

Bob D'Mellow

**Neutron induced single event effects and test facility
requirements**

Clive Dyer

Portable digital neutron spectrometer

Malcolm Joyce

**Type-testing, calibration and nuances of personal
first-responder devices**

Stephen Ashley

15:30 Tea

16:00 Visits to neutron irradiation facilities