

Preliminary

“Next Generation Isomers” workshop – 2nd April 2007 – programme:

Venue: Austin Pearce Lecture Theatre, University of Surrey

0845 registration

0920 Welcome: **Phil Walker** (Surrey)

0930 Session I: **Alison Bruce** (Brighton) chair

Rodi Herzberg (Liverpool) "Isomers in superheavy nuclei"

Yang Sun (Notre Dame) "Theoretical study of K-isomers in superheavy nuclei"

Adam Hayes (Rochester) "The loss of K selection in ^{178}Hf "

1100 coffee/tea

1130 Session II: **Paul Stevenson** (Surrey) chair

Paul Campbell (Manchester) "Moments and radii of isomeric nuclear states"

Thomas Bürvenich (Frankfurt) "Direct interactions between nuclei and laser pulses"

Jeff Carroll (Youngstown) "Photo-induced isomer decays"

1300 lunch

1400 Session III: **Dave Cullen** (Manchester) chair

Peter Thompson (AWE) "Search for isomer production in high-intensity laser-plasma interactions"

Ante Ljubicic (Zagreb) "Atomic effects on nuclear transitions"

Carsten Brandau (GSI) "Storage ring experiments at the interface of atomic and nuclear physics"

1530 tea/coffee

1600 Session IV: **Phil Walker** (Surrey) chair

Lidia Ferreira (Lisbon) "Proton and neutron emission from high spin isomers"

Gary Simpson (Grenoble) "Microsecond isomers from fission fragments"

Andrea Jungclauss (Madrid) "New isomers in the doubly magic ^{132}Sn region"

1730 close

1800 reception

The workshop is open to all. There is no charge for attendance.

For additional information, please contact Phil Walker: p.walker@surrey.ac.uk