

## Short talks

### Session III Thursday 8th May 2008 15:10 – 16:10

(1) *Abstract number 2*

#### **The development of the Spectrometer for Exotic Fission Fragments**

J. A. Dare (University of Manchester)

(2) *Abstract number 3*

#### **Structure of neutron-rich nuclei around the N=50 shell gap closure**

T. Faul (IReS Strasbourg)

(3) *Abstract number 4*

#### **Single-particle states in $^{21}\text{O}$**

B. Fernández-Domínguez (University of Liverpool)

(4) *Abstract number 5*

#### **Exploring high deformation in the neutron-rich zirconium region via laser spectroscopy**

D.H. Forest (University of Birmingham)

(5) *Abstract number 6*

#### **Symmetry term and many body correlations**

G. Giuliani (INFN Catania)

(6) *Abstract number 7*

#### **The proton drip-line in the neighbourhood of $^{100}\text{Sn}$**

A. Gottardo (University of Edinburgh)

(7) *Abstract number 11*

#### **Interpretation of evidence for multiphonon vibrations competing with rotations at high spin in $^{180}\text{Os}$**

N.M. Lumley (University of Manchester)

(8) *Abstract number 13*

#### **Differential plunger lifetime measurements on $^{144}\text{Ho}$ using recoil isomer tagging**

P. J. R. Mason (University of Manchester)

(9) *Abstract number 15*

#### **Large B(E1) discrepancies in the mirror pair $^{67}\text{As}$ and $^{67}\text{Se}$ : Coherent enhancement effects?**

R. Orlandi (University of the West of Scotland)

(10) *Abstract number 16*

#### **The Sage Spectrometer**

Philippos Papadakis (University of Liverpool)

(11) *Abstract number 18*

**Beyond band termination: Ultra-high spin spectroscopy studies of  $^{160,161}\text{Er}$**

S. V. Rigby (University of Liverpool)

(12) *Abstract number 19*

**Nuclear structure at the extremes: a perspective at the mean field level and beyond with effective Gogny and Skyrme forces**

R.R. Rodriguez-Guzman (CEA Saclay)

**Session VI Friday 9th May 2008 12:30 – 13:00**

(1) *Abstract number 20*

**High intensity laser-driven photo-proton reactions**

M. Shaw (University of the West of Scotland)

(2) *Abstract number 21*

**Hardcore truncated coupled-cluster method**

M. Stauf (University of Manchester)

(3) *Abstract number 22*

**Mass dispersions beyond Time-Dependent Hartree-Fock**

P. D. Stevenson (University of Surrey)

(4) *Abstract number 23*

**The effect of the tensor force on the predicted shell closures in superheavy nuclei**

E.B. Suckling (University of Surrey)

(5) *Abstract number 25*

**Investigations of single-particle/hole states with a  $^{26}\text{Ne}$  beam**

J. S. Thomas (University of Surrey)

(6) *Abstract number 26*

**High-spin states in  $^{89}\text{Rb}$**

D. A. Torres (University of the West of Scotland)

## Posters

*Abstract number 1*

### **High-spin study of $^{156}\text{Er}$ up to and beyond band termination**

M. Akmalı (University of Liverpool)

*Abstract number 2*

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A. Gottardo (University of Edinburgh)

*Abstract number 8*

### **Identification of the structure of $^{106}\text{Te}$ and $^{110}\text{Xe}$ : evidence for enhanced collectivity near N=Z=50**

B. Hadinia (University of the West of Scotland)

*Abstract number 9*

### **The spectroscopy of odd-mass neutron-rich yttrium isotopes populated in grazing reactions**

A. Hodsdon (University of the West of Scotland)

*Abstract number 10*

### **Spectroscopic study of $^{77}\text{Ge}$ , $^{79}\text{As}$ and $^{81}\text{Se}$**

V. Kumar (University of the West of Scotland)

*Abstract number 11*

### **Interpretation of evidence for multiphonon vibrations competing with rotations at high spin in $^{180}\text{Os}$**

N. M. Lumley (University of Manchester)

*Abstract number 12*

**Laser spectroscopy at the extremes with cooled and bunched beams at ISOLDE**

E. Mané (University of Manchester)

*Abstract number 13*

**Differential plunger lifetime measurements on  $^{144}\text{Ho}$  using recoil isomer tagging**

P. J. R. Mason (University of Manchester)

*Abstract number 14*

**Nuclear spectroscopy at the limit of spin: Probing stable triaxial structures near the yrast line of  $^{159,160}\text{Er}$  at  $\sim 60\hbar$**

J. Ollier (University of Manchester)

*Abstract number 15*

**Large B(E1) discrepancies in the mirror pair  $^{67}\text{As}$  and  $^{67}\text{Se}$ : Coherent enhancement effects?**

R. Orlandi (University of the West of Scotland)

*Abstract number 16*

**The Sage Spectrometer**

Philippos Papadakis (University of Liverpool)

*Abstract number 17*

**Spectroscopy of neutron-rich oxygen and fluorine nuclei via single-neutron knockout reactions**

B. Pietras (University of Liverpool)

*Abstract number 18*

**Beyond band termination: Ultra-high spin spectroscopy studies of  $^{160,161}\text{Er}$**

S. V. Rigby (University of Liverpool)

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**The effect of the tensor force on the predicted shell closures in superheavy nuclei**

E. B. Suckling (University of Surrey)

*Abstract number 24*

**Quasifree scattering reaction studies**

J. Taylor (University of Liverpool)

*Abstract number 25*

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*Abstract number 26*

**High-spin states in  $^{89}\text{Rb}$**

D. A. Torres (University of the West of Scotland)

*Abstract number 27*

**Study of excited states in the deformed  $N=Z+2$  odd-odd proton emitter  $^{112}\text{Cs}$**

P. T. Wady (University of the West of Scotland)

*Abstract number 28*

**Gamma-ray spectroscopy study of neutron-rich sulphur isotopes**

Z. M. Wang (University of the West of Scotland)

*Abstract number 29*

**The nuclear equation of state and the symmetry energy**

P. Z. Wu (University of Liverpool)