

**Session Program**

**Apr 3 - 5, 2008**

**Gamma08**

**Collectivities and Shell effects in neutron/  
proton-rich nuclei**

RIKEN Nishina Center, Nishina Hall  
RIKEN Wako, Japan

## Thu, April 3

9:50 AM

### Collectivities and Shell effects in neutron/proton-rich nuclei: I

Session | Location: RIKEN Nishina Center, Nishina Hall, RIKEN Wako, Japan

9:50 - 10:20 AM **In-beam gamma-ray spectroscopy with fast beams of rare isotopes**

**Speaker**

Dr Przemyslaw ADRICH

10:20 - 10:40 AM

**Collective deformation of neutron distribution in nuclei probed by proton inelastic scattering**

**Speaker**

Prof. Yukinori Sakuragi

10:40 - 10:55 AM **break**

10:55 - 11:15 AM **New states in  $^{32}\text{Mg}$  and  $^{34}\text{Si}$**

**Speaker**

Mrs Patricia Roussel-Chomaz

11:35 - 11:55 AM **Study of High-spin States in  $^{49-51}\text{Ti}$**

**Speaker**

Mr Megumi NIIKURA

11:55 AM

4:40 PM

### Collectivities and Shell effects in neutron/proton-rich nuclei: II

Session | Location: RIKEN Nishina Center, Nishina Hall, RIKEN Wako, Japan

4:40 - 5:00 PM **Evolution of deformation in neutron rich Ti and Cr isotopes.**

**Speaker**

Dr Nori Aoi

5:00 - 5:20 PM

**Deformation around neutron-rich Cr isotopes in axially symmetric Skyrme-Hartree-Fock-Bogoliubov method**

**Speaker**

Mr Hiroshi Oba

5:20 - 5:40 PM

**Continuum and pairing effects for rotational excitations in neutron rich nuclei**

**Speaker**

Dr Masayuki Yamagami

5:40 PM

## Fri, April 4

9:00 AM

### Collectivities and Shell effects in neutron/proton-rich nuclei: III

Session | Location: RIKEN Nishina Center, Nishina Hall, RIKEN Wako, Japan

9:00 - 9:30 AM **Spherical or deformed - prolate or oblate ?**

**Speaker**

Prof. I. Hamamoto

9:30 - 10:00 AM **TBA**

**Speaker**

Prof. G. de France

10:00 - 10:30 AM **TBA**

**Speaker**

Prof. D.C. Radford

10:30 AM

## Sat, April 5

1:20 PM

### Collectivities and Shell effects in neutron/proton-rich nuclei: IV

Session | Location: RIKEN Nishina Center, Nishina Hall, RIKEN Wako, Japan

#### 1:20 - 1:50 PM Perspectives of the shell model

**Speaker**

Prof. Takaharu Otsuka

#### 1:50 - 2:10 PM Normal occupancy of deeply bound valence neutrons in $^{37}\text{Ca}$

**Speaker**

Serge Franchoo

#### 2:10 - 2:30 PM Spectroscopy of neutron-rich nuclei with MINIBALL

**Speaker**

Dr Thorsten Kroell

#### 2:30 - 2:50 PM

### Microscopic description of shape coexistence/mixing phenomena in the A=80-100 region

**Speaker**

Mr Nobuo HINOHARA

2:50 PM