

JUSTIPEN-EFES workshop on unstable nuclei

7-9 December, RIKEN Nishina hall

7/Dec.

10:30

T. Suzuki (Nihon) (30)

“Gamow-Teller Transitions in Astrophysical Processes”

K. Nakamura (NAO) (30)

“The neutrino-process and spallation reactions in core-collapse supernovae”

T. Kajino (NAO) (30)

“Nucleosynthetic signature of Supernovae and Collapsars”

Discussion -- large scale calculation for nuclear astrophysics --

T. Nakatsukasa (RIKEN), T. Kajino (NAO)

Lunch 12:00-13:30

13:30 RIKEN RIBF physics seminar

A. A. Ogloblin (Kurchatov)

“Measuring the radii of particle unstable nuclear states and search for the signatures of alpha condensation in light nuclei”

Coffee break 14:30-15:00

15:00

T. Shima (Osaka) (30)

“Experimental study of nuclear spin-isospin responses for astrophysics with photon and hadron probes”

B. Balantekin (Wisconsin) (30)

“Neutrino Interactions in Nuclear Physics and Astrophysics”

M. Matsuo (Niigata) (30)

“Coupled-channel Green’s function approach to deformed continuum Hartree-Fock-Bogoliubov theory”

M. Yamagami (Aizu) (30)

“Pairing correlations and effective masses in neutron-rich nuclei”

Welcome party 18:00-20:00

8/Dec.

10:00

M. Yahiro (Kyushu) (30)

“Microscopic reaction theory on scattering of unstable nuclei”

C. Bertulani (Texas A&M) (30)

“Odd-even mass staggering & Relativistic Eikonal-CDCC”

K. Kato (Hokkaido) (30)

“Structure of Unbound States”

R.M. Id Betan (Oak Ridge) (30)

“Complex energy representation for calculating isobaric analogue states”

Lunch 12:00-13:30

13:30

H. Masui (Kitami Tech.) (30)

“Role of unbound states in cluster orbital shell model and other shell model approaches”

C. Barbieri (RIKEN) (30)

“Ground states and single particle energies from Green’s function theory”

M. Kortelainen (Tennessee) (30)

“Extended energy density functional”

Coffee break 15:00-15:30

15:30

H. Sagawa (Aizu) (30)

“Effect of Tensor correlations on single-particle and collective states”

A. Severyukhin (Aizu) (30)

“Vibrational excitations and a separable approximation for Skyrme interactions”

K. Nomura (Tokyo) (30)

“Formulating the Interacting Boson Model by the Mean-field Methods”

9/Dec.

10:00

T. Myo (Osaka Tech.) (30)

“Resonances of halo nuclei using the complex scaling method”

T. Papenbrock (Oak Ridge) (30)

“Ab initio calculations of neutron-rich oxygen isotopes”

K. Tsukiyama (Tokyo) (30)

“In-medium Similarity Renormalization Group to Nuclear Many-body Problems”

A. Afanasjev (Mississippi) (30)

“Covariant density functional studies of time-odd mean fields and fission barriers”

Lunch 12:00-13:30

13:30

T. Lesinski (Oak Ridge) (30)

“Non-empirical Pairing Functional from Low-Momentum Two- and Three-Body Interactions”

N. Hinohara (RIKEN) (30)

“Five-dimensional collective Hamiltonian with Thouless-Valatin inertial functions”

M. Ito (Kansai) (30)

“Studies of low-energy reactions of neutron excess systems”

Y. Taniguchi (RIKEN) (30)

“Triaxial superdeformation in ^{40}Ar ”