

PROGRAM : GCOE International Summer School :
—Hadrons and Nuclei under Extreme Conditions (HANEC10)
Sep. 16-17, 2010, O-Okayama Campus, Tokyo Institute of Technology

September 16th

9:30 --- 9:40 Opening remarks

S. Saito (Tokyo Tech)

T. Nakamura (Tokyo Tech)

Nuclear Structure and Reaction I Chair : T.Nakamura

9:40 ---11:10 (90min) J.A. Tostevin (Surrey/Tokyo Tech)

“Reaction tools for the study of exotic nuclei : theory and applications I”

Coffee Break (H113)

Nuclear Structure and Reaction II Chair : A.Ozawa

11:30---12:30 (60min) K. Ogata (Kyushu)

“Quantum scattering of three particles in stars : new understanding of the formation of ^{12}C ”

Lunch (80min)

Nuclear Astrophysics Chair : T.Suzuki

13:50---14:50 (60min) T. Motobayashi (RIKEN)

“Nuclear processes in stellar burning”

Nuclear Structure and Reaction III Chair : T.Suzuki

14:50---15:20 (30min) M. Takechi (RIKEN)

“Study of Nuclear size for Exotic nuclei via Reaction Cross Sections”

Coffee Break (H113)

Hadron Physics I Chair : M.Oka

15:40---16:40 (60min) D. Jido (YITP)

“Baryon resonance in chiral dynamics -Kaonic few-body systems -”

16:40---17:10 (30min) K. Sasaki (Tokyo Tech)

“S-wave π -K scattering length from lattice QCD”

17:10---17:30 (20min) F. Sanftl (Tokyo Tech)

“Study of antiquarks in the proton with a high energy Drell-Yan experiment”

17:30---17:50 (20min) S. Uechi (RCNP, Osaka)

“Extended chiral (σ , π , ω) mean-field model with Vacuum Fluctuation Corrections”

Reception (H284) 18:15---20:00

September 17th

Hadron Physics II Chair : T.-A.Shibata

9:30 ---11:00 (90min) B. Mohanty (VECC/LBNL)
"Results from the RHIC Experiments"

Coffee Break (H113)

Nuclear Structure and Reaction IV Chair : N.Aoi

11:20---12:50 (90min) A. Macchiavelli (LBL)
"Pairing Correlations in Atomic Nuclei"

Lunch (80min)

Nuclear Structure and Reaction V Chair : K.Yabana

14:10---15:10 (60min) J.A. Tostevin (Surrey/Tokyo Tech)
"Reaction tools for the study of exotic nuclei : theory and applications II"
15:10---15:40 (30min) T. Matsumoto (Hokkaido)
"Systematic analyses of three-body and four-body breakup reactions"

Coffee Break (H113)

Nuclear Structure and Reaction VI Chair : K.Asahi

16:00---16:30 (30min) Y. Ichikawa (RIKEN)
*"g-factor measurement for isomeric state of ³²Al
using two-step fragmentation reaction with dispersion matching"*
16:30---16:50 (20min) N. Kobayashi (Tokyo Tech)
"Inclusive Coulomb and nuclear breakup of ³¹Ne and ²²C"

16:50---17:00 Closing Remark
T.-A.Shibata (Tokyo Tech)

Local Organizing Committee

Takashi Nakamura (Chair), Toshi-Aki Shibata, Koichiro Asahi

Makoto Oka, Kazuo Muto, Yosuke Kondo