



# The 17th International Symposium on Origin of Matter and Evolution of Galaxies

## Tuesday, 10 September 2024

### Experimental Nuclear Physics for Astrophysics (11:00 - 11:50)

-Conveners: Livius Trache

time	[id] title	presenter
11:00	[22] Studying astrophysical reactions with low-energy RI beams - the projects at CRIB	YAMAGUCHI, Hidetoshi
11:25	[61] Measurement of the $\gamma$ Decay Probability of the Hoyle State	SAKANASHI, Kosuke

### Experimental Nuclear Physics for Astrophysics (14:50 - 15:55)

-Conveners: Weiping Liu

time	[id] title	presenter
14:50	[45] Transfer reaction measurements using proton beams for astrophysical reaction rates and proton branching ratios	CHAE, Kyungyuk
15:15	[91] Role of neutron-rich nuclei in r-process nucleosynthesis	NISHIMURA, Shunji
15:40	[16] Study of $^{22,23}\text{Na}+p$ resonance scattering via thick-target inverse kinematics method	WANG, youbao

### Experimental Nuclear Physics for Astrophysics (16:15 - 17:45)

-Conveners: Shigeru Kubono

time	[id] title	presenter
16:15	[105] Studies of nuclear properties involved in nucleosynthesis at CENS	AHN, Sunghoon (Tony)
16:40	[55] Non destructive lifetime measurement of isomeric states in heavy ion storage rings	SANJARI, Shahab
17:05	[106] Bp-defined isochronous mass spectrometry at CSRe-Lanzhou	WANG, Meng
17:30	[58] Construction of active target TPC in CENS	CHA, Soomi

# Wednesday, 11 September 2024

## Experimental Nuclear Physics for Astrophysics (09:00 - 10:15)

-Conveners: Richard deBoer

time	[id] title	presenter
09:00	[40] Effect of coherent neutrino elastic scattering off many atoms to core-collapse supernova explosions	SHIMA, Tatsushi
09:25	[90] "Other" Indirect Methods in Nuclear Astrophysics	TRACHE, Livius
09:50	[78] Experimental studies of key resonances for explosive hydrogen and helium burning	WREDE, Christopher

## Experimental Nuclear Physics for Astrophysics (10:35 - 11:35)

-Conveners: Weiping Liu

time	[id] title	presenter
10:35	[74] Measurement of $^{58}\text{Ni}(^3\text{He},n)^{60}\text{Zn}$ reaction to investigate X-ray burst light curve	FURUNO, Tatsuya
10:50	[7] Operation and Experiment Introduction of the CSNS Back-n White Neutron Facility	FAN, Ruirui
11:05	[11] Electron scattering for online-produced unstable nucleus at the RIKEN SCRIT facility	Prof. SUDA, Toshimi
11:20	[2] Measurement of the $^{159}\text{Tb}(n, \gamma)$ cross section at the CSNS Back-n facility	ZHANG, SuYaLaTu

## Experimental Nuclear Physics for Astrophysics (13:30 - 14:00)

-Conveners: Toshitaka Kajino

time	[id] title	presenter
13:30	[31] Direct measurement of the cross section for $^{102}\text{Pd}(p,g)^{103}\text{Ag}$ reaction in the p-process	LIU, Fulong
13:45	[76] Study of $\nu$ p-process nucleosynthesis in core collapse supernovae via $^{56}\text{Ni}(d,p)$ reaction	LI, Jiatai