



# The 23rd International Conference on Few-Body Problems in Physics (FB23)

## Thursday, 26 September 2024

### Parallel 6: Few-body aspects of nuclear physics and nuclear astrophysics (09:00 - 10:30)

-Conveners: Chen Ji

time	[id] title	presenter
09:00	[183] Two-neutron halos in EFT: neutron and E1 strength distributions	GOEBEL, Matthias
09:25	[14] Neutron-Halo Breakup Dynamics with $^{11}\text{Be}$ projectile on the lead target $^{208}\text{Pb}$ at deep sub-barrier Coulomb energies	TOMIO, LAURO
09:50	[144] Neutron Scattering off One-Neutron Halo Nuclei in Halo Effective Field Theory	ZHANG, Xu
10:10	[42] The Peculiar Thermal Relaxation of Neutron Stars	Dr TU, Zhonghao

### Parallel 6: Few-body aspects of nuclear physics and nuclear astrophysics (11:00 - 12:30)

-Conveners: Bingwei Long

time	[id] title	presenter
11:00	[185] Searching for Hoyle-Analog States in Light Nuclei	ZHOU, Bo
11:25	[124] Cluster Breaking and Melting Effects in Light Nuclei Uncovered by Control Neural Network	Dr LYU, Mengjiao
11:50	[75] Neutron Dripline with Nuclear Lattice EFT	Dr KIM, Myungkuk
12:10	[38] Nucleons in a finite volume: from ground states to the continuum	YU, Hang

### Parallel 6: Few-body aspects of nuclear physics and nuclear astrophysics (14:00 - 15:30)

-Conveners: 梦蛟 吕

time	[id] title	presenter
14:00	[184] Multi-neutron correlations around the neutron drip line	YANG, Zaihong
14:25	[196] Production and Polarization of Hypernuclei in Heavy-Ion Collisions	SUN, KaiJia
14:50	[23] A nuclear reaction study with the halo nucleus $^6\text{He}$ : elastic scattering and neutron transfer in the $^6\text{He}+p$ reaction	SFERRAZZA, Michele
15:10	[30] Experimental studies of few-nucleon systems	SKWIRA-CHALOT, Izabela

### Parallel 6: Few-body aspects of nuclear physics and nuclear astrophysics (16:30 - 17:30)

-Conveners: Bo Zhou

time	[id] title	presenter
16:30	[33] Development of the Advanced Multi-neutron Detection Array for the study of multi-neutron clusters	BIAN, Jiawei
16:50	[26] Multi-neutron Detection Based on Machine Learning	DU, Zeyu

17:10 [17] Dynamics of  $6,7\text{Li}$  breakups on light and heavy target masses

Mr CHITAKWA, Kakungu