



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

## Monday, 9 September 2024

### Explosive Stellar Objects and Nuclear Physics (09:25 - 09:50)

time	[id] title	presenter
09:25	[47] Recent advances in the modeling and nucleosynthesis of classical novae and X-ray bursts	JOSE, Jordi

### Explosive Stellar Objects and Nuclear Physics (15:05 - 15:35)

-Conveners: Jordi Jose

time	[id] title	presenter
15:05	[67] Calibrated Atomic Data and 3D Radiative Transfer Modelling of Kilonova	Dr FLOERS, Andreas
15:20	[51] The impact of supernova ejecta on their companion stars and pollution of the synthesized elements at the companion surface	LIU, Zhengwei

# Tuesday, 10 September 2024

## Explosive Stellar Objects and Nuclear Physics (09:50 - 10:40)

time	[id] title	presenter
09:50	[59] Dynamics and nucleosynthesis of neutron star mergers and collapsars	FUJIBAYASHI, Sho
10:15	[12] Neutrino and Heavy-element Nucleosynthesis in Supernovae	WANG, Xilu

# Wednesday, 11 September 2024

## Explosive Stellar Objects and Nuclear Physics (16:15 - 17:15)

time	[id] title	presenter
16:15	[20] Heavy Sterile Neutrinos from Core-collapse Supernovae	MORI, Kanji
16:30	[33] Impacts of the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ reaction rate on $^{56}\text{Ni}$ nucleosynthesis in pair-instability supernovae	KAWASHIMO, Hiroki
16:45	[34] Strong magnetic field impact on the neutrino transportation inside the core-collapse supernova	LUO, Yudong
17:00	[35] The impacts of nuclear reaction uncertainties on explosive nucleosynthesis of core-collapse supernovae	NISHIMURA, Nobuya