



# Nuclei in the Cosmos (NIC XVII)

## Tuesday, September 19, 2023

### Poster session (Core-collapse supernovae, mergers and the r-process) (5:00 PM - 7:30 PM)

time	[id] title	presenter
5:00 PM	[8] Superheavy Elements in Kilonovae	HOLMBECK, Erika
5:05 PM	[26] Strong magnetic field impact on the neutrino process inside the SNe explosion	LUO, Yudong
5:10 PM	[38] Multi-messenger Signals of Heavy Axionlike Particles in Core-collapse Supernovae	MORI, Kanji
5:15 PM	[64] Atomic Structure Calculations of Neodymium and Uranium for Kilonova Emission Modeling	Dr FLÖRS, Andreas
5:20 PM	[73] MeV Gamma Rays from Neutron Star Mergers: a Distinct Signature of r-Process Fission	WANG, Xilu
5:25 PM	[83] New Observable Signal of r-, i-, and s-process Nucleosynthesis in Collapsar Jet	HE, Zhenyu
5:30 PM	[88] Constraining Supernova Nucleosynthesis from nu-Mass Hierarchy and the Roles of nu-Nucleus and Radioactive Nuclear Reactions	YAO, Xingqun
5:35 PM	[102] Follow-up of bright very metal-poor star candidates discovered by narrow-band survey	OKADA, Hiroko
5:40 PM	[104] Probing the origin of heavy isotopes in dwarf galaxies with a variable initial mass function	GJERGO, Eda
5:45 PM	[107] High-dispersion spectroscopic observations of r-process elements including thorium in solar metallicity and mildly-metal-poor stars	FURUTSUKA, Kurumi
5:50 PM	[108] Bright metal-poor star survey with Tomo-e Gozen Camera	TOMINAGA, Nozomu
5:55 PM	[122] Kilonova Modelling: Nuclear Physics, Magnetic Fields, Neutrinos	LUND, Kelsey
6:00 PM	[129] Supernova gravitational waves and asteroseismology	Dr SOTANI, Hajime
6:05 PM	[142] Systematic 3D simulations of core-collapse supernova and implications for explosive nucleosynthesis	NAKAMURA, Ko
6:10 PM	[221] Sensitivity of r-abundance to the intermediate mass nuclear reactions	Dr KIM, Kyungil
6:15 PM	[183] Influence of key SN properties on Galactic Chemical Evolution	WEHMEYER, Benjamin
6:20 PM	[30] Galactic chemical Evolution with short lived radioactive isotopes	WEHMEYER, Benjamin
6:25 PM	[170] Insight to the Explosion Mechanism of Core Collapse Supernovae Through $\gamma$ -ray Spectroscopy of $^{46}\text{Cr}$	COUSINS, Christopher