



# Nuclei in the Cosmos (NIC XVII)

## Thursday, 21 September 2023

### Core-collapse supernovae, mergers and the r-process (09:00 - 10:30)

time	[id] title	presenter
09:00	[174] The r-process and neutrinos in neutron star mergers	MCLAUGHLIN, Gail
09:30	[51] Binary Neutron Stars, Core Collapse Supernovae and the Nuclear Equation of State	MATHEWS, Grant
09:45	[35] Role of light-mass nuclear reactions in the r-process nucleosynthesis, revisited	KIM, Youngman
10:00	[106] Chemical compositions of r-process enhanced metal-poor stars discovered by the LAMOST/Subaru telescopes	HONDA, Satoshi
10:15	[114] Optical properties of magneto-rotational jet-driven supernovae associated with r-process nucleosynthesis	Dr NISHIMURA, Nobuya

# Friday, 22 September 2023

## Core-collapse supernovae, mergers and the r-process (09:00 - 10:30)

time	[id] title	presenter
09:00	[220] Probing heavy element nucleosynthesis through electromagnetic observations	MARTÍNEZ-PINEDO, Gabriel
09:30	[36] Molecule formation in the ejecta of SN 1987A: the impact of effective matter mixing based on 3D hydrodynamical models	ONO, Masaomi
09:45	[112] Neutrino-Driven Outflows and the Origin of Light Heavy Elements	PSALTIS, Thanassis
10:00	[11] The p-process nucleosynthesis in core-collapse supernovae	ROBERTI, Lorenzo
10:15	[117] The neutrino-process in core-collapse supernova with strong magnetic field	KO, Heamin