



# MICRA2023: microphysics in computational relativistic astrophysics

## Wednesday 13 September 2023

### Mergers: Mergers I - Aula Grande (09:00 - 10:10)

-Conveners: Albino Perego

time	[id] title	presenter
09:00	[19] Jets from neutron-star merger remnants and implications for kilonovae	SIEGEL, Daniel
09:35	[63] Neutron star mergers with the Lagrangian Numerical Relativity code SPHINCS_BSSN	ROSSWOG, Stephan

### Mergers: Mergers II - Aula Grande (10:40 - 12:10)

-Conveners: Albino Perego

time	[id] title	presenter
10:40	[59] Impact of microphysics in neutron star merger's remnant simulations	BERNUZZI, Sebastiano
11:00	[22] Dynamics and thermodynamics of accretion discs from numerical relativity simulations of neutron star mergers	CAMILLETTI, Alessandro
11:20	[9] Thermal Effects in Binary Neutron Star Mergers	FIELDS, Jacob
11:40	[21] Nuclear matter properties in neutron star mergers	JACOBI, Maximilian
12:00	[50] Quasi-universal relations of gravitational signal from binary neutron star mergers	TOPOLSKI, Konrad

### Mergers: Mergers III - Aula Grande (14:00 - 15:30)

-Conveners: Albino Perego

time	[id] title	presenter
14:00	[23] Supplementing BNS Simulations with Artificial Neural Networks	HAMMOND, Peter
14:20	[55] Multi-messenger Signals from Magnetized Post-Merger Remnants	BOSCH, Pablo
14:40	[24] Binary Neutron Star Mergers with Spritz	GIACOMAZZO, Bruno
14:50	[39] GRMHD simulations with GR-Athena++	COOK, William
15:00	[41] Long-term simulations of Binary neutron star postmerger	NG, Harry Ho-Yin
15:10	[49] Kilonova from different points of view: Combining 3D radiative transfer and numerical-relativity simulations	NEUWEILER, Anna

### Mergers: Discussion - Aula Grande (16:00 - 18:10)

-Conveners: Stephan Rosswog