



# MICRA2023: microphysics in computational relativistic astrophysics

## Thursday, 14 September 2023

### Neutrinos & other Particles: I - Aula Grande (09:00 - 10:10)

time	[id] title	presenter
09:00	[25] Neutrino Flavor Transformation in Neutron Star Mergers	MCLAUGHLIN, Gail
09:35	[26] Neutrino interactions in dense and hot matter	OERTEL, Micaela

### Neutrinos & other Particles: II - Aula Grande (10:40 - 12:10)

time	[id] title	presenter
10:40	[42] A new neutrino transport module available in Flash-X	ENDEVE, Eirik
11:00	[35] General relativistic multi-group radiation transport simulations of stellar collapses	CHEONG, Patrick Chi-Kit
11:20	[36] Systematic Study of Fast and Collisional Neutrino Flavor Instabilities in Core-collapse Supernovae with Boltzmann Neutrino Transport	AKAHO, Ryuichiro
11:40	[44] Impact of improved pair-processes transport on the PNS cooling in 2D CCSN simulations	BETRANHANDY, Aurore

### Neutrinos & other Particles: III - Aula Grande (14:00 - 15:40)

time	[id] title	presenter
14:00	[37] Multi-messenger signals of heavy axionlike particles in core-collapse supernovae	MORI, Kanji
14:20	[38] Multimessenger inference of neutron star equation of state and gravity	BISWAS, Bhaskar
14:40	[51] Impact of nuclear matter properties on the nucleosynthesis and the kilonova from binary neutron star merger ejecta	RICIGLIANO, Giacomo
15:00	[40] The influence of trapped neutrinos on the collapse of BNS merger remnants	GUERCILENA, Federico
15:10	[62] Constraining the onset density for the QCD phase transition with the supernova neutrino signal	KHOSRAVI LARGANI, Noshad
15:30	[69] WeakHub	NG, harry ho-yin

### Neutrinos & other Particles: Discussion - Aula Grande (16:10 - 18:00)

-Conveners: Almudena Arcones