



# The Radiative Transfer and Atomic Physics of Kilonovae

## Monday, 4 September 2023

### Monday morning: Block 1. Chair: Anders Jerkstrand (09:30 - 10:30)

time	[id] title	presenter
09:30	[2] Welcome	JERKSTRAND, Anders
09:45	[1] Setting the stage: r-process nucleosynthesis in neutron star mergers	ROSSWOG, Stephan

### Monday morning: Block 2. Chair: Stephan Rosswog. (11:00 - 12:35)

time	[id] title	presenter
11:00	[4] An overview heavy element nucleosynthesis:the r-process and the vr-process	MARTINEZ-PINEDO, Gabriel
11:55	[31] General Relativistic Magnetohydrodynamic Simulations of Proto-Neutron Stars	DESAI, Dhruv
12:15	[23] Nucleosynthesis and Kilonova in neutron star mergers: effects of nuclear matter properties	RICIGLIANO, Giacomo