

The Radiative Transfer and Atomic Physics of Kilonovae

Tuesday, 5 September 2023

Tuesday morning: Block 1. Chair: Stephen Smartt. (09:30 - 11:20)

time	[id] title	presenter
09:30	[11] Perspectives for kilonovae multimessenger detection	LOFFREDO, Eleonora
09:50	[12] Confronting kilonovae models with observations: What do we need?	SARIN, Nikhil
10:10	[26] Illuminating neutron star mergers with the 3D Monte Carlo radiative transfer code POSSIS	BULLA, Mattia
10:30	[17] Non-thermal emission from mildly relativistic ejecta of BNS mergers	Mr SADEH, Gilad
10:50	Break	

Tuesday morning: Block 2. Chair: Chris Fryer. (11:20 - 12:55)

time	[id] title	presenter
11:20	[39] Radiative transfer simulations for light curves and spectra of kilonovae	TANAKA, Masaomi
12:15	[25] Multi-dimensional kilonova radiative transfer from merger simulations	COLLINS, Christine
12:35	[21] The thermalization of gamma-rays in radioactive expanding ejecta: A simple model and its application for Kilonovae	GUTTMAN, Or