



# The Radiative Transfer and Atomic Physics of Kilonovae

## Wednesday, 6 September 2023

**Wednesday morning: Block 1. Chair: Chris Fontes. (09:30 - 10:45)**

time	[id] title	presenter
09:30	[36] An Overview of Atomic Processes for Kilonovae	BADNELL, Nigel
10:25	[28] Multi-component Ejecta and Time-Evolving Elemental Abundances in the GW170817 Kilonova	VIEIRA, Nicholas

**Wednesday morning: Block 2. Chair: Nanae Domoto. (11:05 - 12:40)**

time	[id] title	presenter
11:05	[38] Atomic Physics of r-Process Elements	FONTES, Chris
12:00	[41] Atomic calculations and radiative transfer simulations for modelling kilonova	BANERJEE, Smaranika
12:20	[19] Analytic Description of Beta Decay $e^{\pm}$ Thermalization in Kilonovae Ejecta	SHENHAR, Ben