

Fake Light Workshop

Tuesday, May 30, 2023

Tools: Part 1 - 17th Floor (10:15 AM - 3:30 PM)

time	[id] title	presenter
10:15 AM	[1] Baes – Mocking the Universe with SKIRT	
10:45 AM	Coffee Break	
11:15 AM	[2] Smith – COLT: Spatially- and spectrally resolved line emission from hydrodynamical simulations	
11:45 AM	[3] Barrow – The Benefits of Generalized Radiative Transfer Modelling of the ISM in the Time Domain	
12:15 PM	[4] Kapoor – TODDLERS: Time Evolution of Observables Including Dust Diagnostics and Line Emission from Hii Regions for the SKIRT Radiative Transfer Code	
12:35 PM	[5] Lovell – Synthesizer: a modular, flexible and fast package for generating synthetic astrophysical spectra	
1:00 PM	Lunch	
2:00 PM	[6] Fortuni – FORECAST: a flexible software to forward model cosmological simulations mimicking real observations	
2:20 PM	[7] Trinca – Seeking the light from the Early Universe: a Cosmic Archaeology Tool	
2:40 PM	[8] Discussion	

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Tools: Part 2 - 17th Floor (9:00 AM - 9:40 AM)

time	[id] title	presenter
9:00 AM	[9] Olmsted – The Galaxy Assembly and Interaction Neural Networks (GAINN) for high-redshift JWST observations	
9:20 AM	[10] Iyer – Inference vs Forward Modeling with JWST: the power of physically motivated intermediate domains	