



# CAMELS Workshop

## Thursday, December 1, 2022

### **Inference and emulation: Talks I - 3rd Floor Conference Room/3-Simons Foundation (9:30 AM - 10:45 AM)**

time	[id] title	presenter
9:30 AM	[20] caravan: from a to b with camels	WANDEL, Benjamin
10:00 AM	[22] Inferring cosmological parameters using galaxies	SOLER MATUBARO DE SANTI, Natalí
10:15 AM	[21] Any hope for constraining baryonic physics with simulations and deep learning?	HUERTAS-COMPANY, Marc
10:30 AM	[29] Machine-guided exploration and calibration of astrophysical simulations	OH, Boon Kiat (BK)

### **Inference and emulation: Talks II - 3rd Floor Conference Room/3-Simons Foundation (11:15 AM - 12:30 PM)**

time	[id] title	presenter
11:15 AM	[24] Constraining cosmology from HSC weak lensing maps with CNNs	LU, Brian
11:30 AM	[26] TBD	VILLAESCUSA-NAVARRO, Francisco
12:00 PM	[27] Model-insensitive cosmological parameter estimation with wavelet scattering transform	JO, Yongseok
12:15 PM	[28] Predicting Dark Matter Properties with CNNs	ROSE, Jonah

### **Inference and emulation: Talks III - 3rd Floor Conference Room/3-Simons Foundation (2:00 PM - 3:00 PM)**

time	[id] title	presenter
2:00 PM	[33] Galaxy colors in CAMELS	STARKENBURG, Tjitske
2:15 PM	[10] Predicting galaxy quenching and black hole mass in CAMELS	ANGLES-ALCAZAR, Daniel
2:30 PM	[30] Multi-fidelity emulation for matter power spectrum and Lyman alpha forest	HO, Ming-Feng
2:45 PM	[34] Improved modelling of the Cosmic Infrared Background for upcoming mm-band observations with CAMELS	FABBIAN, Giulio

### **Inference and emulation: Discussion - 3rd Floor Conference Room/3-Simons Foundation (3:30 PM - 5:00 PM)**