

Seventeenth Marcel Grossmann Meeting

Friday, 12 July 2024

Machine learning in astronomy: AGN, transient events, cosmology and others: Friday block 1 - M4 (15:00 - 16:30)

-Conveners: Rahim Moradi; Narek Sahakyan; Fatemeh Rastegar Nia; Yu Wang

time	[id] title	presenter
15:00	[91] Prompt GRB recognition through waterfalls and deep learning	BURNS, Eric
15:20	[265] Accelerating Likelihood Exploration to Constrain Cosmological Parameters Using 2- and 3-Point Correlation Functions Emulators	GUIDI, Massimo
15:40	[497] Machine Learning to Boost Multimessenger Astrophysics	MARKA, Zsuzsa
16:00	[507] Gamma-proton identification based on multi-model ensemble algorithm	LI, Jie

Machine learning in astronomy: AGN, transient events, cosmology and others: Friday block 2 - M4 (17:00 - 18:30)

-Conveners: Narek Sahakyan; Rahim Moradi; Fatemeh Rastegar Nia; Yu Wang

time	[id] title	presenter
17:00	[530] Deep Learning for Identification and Characterization of Ca II Absorption Lines: A Multi-Task CNN Approach	LIU, yang
17:20	[486] Convolutional Neural Network and Soprano: computing numerically expensive models in the blink of an eye	BEGUE, Damien
17:40	[176] Neural network time-series classifiers for gravitational-wave searches in single-detector periods	TROVATO, Agata
18:00	[318] Detection of Gravitational Waves from Repetitive Magnetar Bursts Using Autoencoder-Based Denoising and Stacking	EINSLE, Hugo