



# DANCE Machine Learning Workshop 2020

## Thursday, 6 August 2020

### Interpretability and uncertainty estimation -

<https://lbnl.zoom.us/j/94735075450?pwd=a2U1RGZMODJnZ2xWWnFoc25nbDhuUT09> (08:15 - 09:30)

time	[id] title	presenter
08:15	[24] Mapping Machine-Learned Physics into a Human-Readable Space	WHITESON, Daniel
08:45	[26] PandaX-III, Investigation of possible features for the classification of signal and background with CNN	XIA, Shangning WANG, Shaobo HUANG, Suizhi
09:05	[25] Machine learning for Neutrinoless Double Beta Decay in NEXT	ADAMS, Corey

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time	[id] title	presenter
09:40	[28] EXO Summary	OSTROVSKIY, Igor
10:00	[27] Towards Deep Neural Network Analysis of Xe137 Decays to the Excited state of Cs137 in EXO-200 Data	THIBADO, Seth
10:10	[29] Simulating scintillation signals in EXO-200 with GANs	LI, Shaolei

### Interpretability and uncertainty estimation: Roundtable discussion (11:00 - 11:30)

time	[id] title	presenter
11:00	[44] Room 1: Ensuring robustness to systematics	
11:00	[45] Room 2: Quantifying uncertainties in inference	