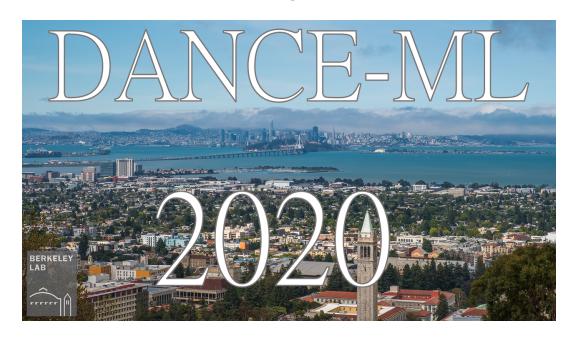
Session Program

3-7 Aug 2020



DANCE Machine Learning Workshop 2020 Interpretability and uncertainty estimation

https://lbnl.zoom.us/j/94735075450?pwd=a2U1RGZMODJnZ2xWWnFoc25nbDhuUT09

Thursday 6 August

08:15 Interpretability and uncertainty estimation Session | Location: https://lbnl.zoom.us/j/94735075450?pwd=a2U1RGZMODJnZ2xWWnFoc25nbDhuUT09 08:15-08:45 Mapping Machine-Learned Physics into a Human-Readable Space Speaker **Daniel Whiteson** 08:45-09:00 PandaX-III, Investigation of possible features for the classification of signal and background with CNN **Speakers** Shangning Xia, Shaobo Wang, Suizhi Huang 09:05-09:20 Machine learning for Neutrinoless Double Beta Decay in NEXT Speaker Corey Adams 09:30 09:40 Interpretability and uncertainty estimation Session | Location: https://lbnl.zoom.us/j/94735075450?pwd=a2U1RGZMODJnZ2xWWnFoc25nbDhuUT09 09:40-09:55 **EXO Summary** Speaker Igor Ostrovskiy 10:00-10:10 Towards Deep Neural Network Analysis of Xe137 Decays to the Excited state of Cs137 in EXO-200 Data Speaker Seth Thibado 10:10-10:20 Simulating scintillation signals in EXO-200 with GANs Speaker Shaolei Li 10:30 11:00 Interpretability and uncertainty estimation: Roundtable discussion Session | Location: 11:00-11:30 Room 2: Quantifying uncertainties in inference Location https://uasystem.zoom.us/j/92391291379?pwd=Uk5TNEVsT1BUVHVkd1ZlbTJpNGhWZz09 11:00-11:30 Room 1: Ensuring robustness to systematics Location https://lbnl.zoom.us/j/94735075450?pwd=a2U1RGZMODJnZ2xWWnFoc25nbDhuUT09 11:30