



LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS

LEPP Joint Seminar



Andrew Edmonds
LBL

**Searching for Charged
Lepton Flavor
Violation with Mu2e**

Any observation of Charged Lepton Flavor Violation (CLFV) would be a clear indication of New Physics. The Mu2e Experiment will search for the CLFV process of neutrinoless muon-to-electron conversion with a sensitivity four orders of magnitude better than the current limit. In this talk, I will present the current status and future prospects of the Mu2e Experiment. I will also present a Machine Learning technique to minimize one of our important signal backgrounds, and the measurement of an important hit background with the AICap experiment.

Tuesday, Mar. 3, 2020
4:00pm
301 Physical Sciences Bldg.

