

TUESDAY, NOVEMBER 6

MACHINE LEARNING SEMINAR

Machine Learning Seminar

CEBAF Center F113

- 11:00 **Opportunities for infusing physics and domain knowledge into AI/ML algorithms**
Prof. Animashree Anandkumar (Caltech)
- 13:00 **DOE Scientific Machine Learning & AI Overview**
Dr. Steven Lee (DOE Advanced Scientific Computing Research)
- 13:30 **Study of neural network size requirements for approximating functions relevant to particle physics**
Jessica Stietzel (Notre Dame)
- 14:00 **NERSC's Machine Learning strategy**
Dr. Wahid Bhimji (NERSC)
- 14:30 **Discussion**
- 15:30 **Tag jet identification through the use of neural networks**
Anne-Katherine Burns (William & Mary)
- 15:50 **Machine intelligence applications for particle physics at Fermilab**
Dr. Aristeidis Tsaris (Fermilab)
- 16:30 **Overview of bayesian optimization applied to the GlueX case**
Cristiano Fanelli (MIT)

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