

Session Program

15-17 Oct 2018

3rd ATLAS Machine Learning Workshop

External To Atlas

CERN, 503/1-001 - Council Chamber

Wednesday 17 October

09:00

External To Atlas: Public Session

Session | **Location:** CERN, 503/1-001 - Council Chamber | **Convener:** Michael Aaron Kagan

09:00–09:20 **Constraining Effective Field Theories with Machine Learning**

Speakers

Johann Brehmer, Kyle Cranmer, Gilles Louppe, Juan Pavez

09:25–09:45 **How to train taggers on data**

Speaker

Jennifer Thompson

09:50–10:10 **Systematics aware learning: a case study in High Energy Physics**

Speaker

Victor Estrade

10:15–10:35 **HiggsML challenge with optimized DNN**

Speaker

Giles Chatham Strong

10:40–11:05 **Coffee Break**

11:10–11:30 **The Lund Jet Plane**

Speaker

Frederic Alexandre Dreyer

11:35–11:55 **The TrackML tracking challenge : status report at half time**

Speaker

Andreas Salzburger

12:00–12:20 **HEP Machine Learning on HPCs**

Speaker

Amir Farbin

12:25–12:45 **DeepFlavour and Tensorflow in CMSSW**

Speaker

Mauro Verzetti

13:00