Session Program

20–24 Jul 2020

12th International Workshop on Boosted Object Phenomenology, Reconstruction and Searches in HEP (BOOST 2020 webinars)

Session 6

Online

Monday 20 July

17:00

Session 6: Discussion session

Session | **Location:** Online

17:00–17:09 **Quantum information and entanglement with top quarks at the LHC**

17:00–17:09 **Anomaly Awareness for new physics searches**

17:00–17:09

ML approach to VBF event topology classification: Recurrent Neural Network based on jets information

Speaker
Antonio Giannini

17:00–17:09

Disentangling Boosted Higgs Boson Production Modes with Machine Learning

18:00

Tuesday 21 July

17:00

Session 6: Discussion session

Session | **Location:** Online

17:00–17:09 **Groomed jet mass as a direct probe of collinear parton dynamics**

17:00–17:09 **Calculation for Non-global Logarithms with Neural Networks**

17:00–17:09 **Multi-Differential and Unbinned Measurements of Hadronic Event Shapes in e+e- Collisions at sqrt(s)=91 GeV from ALEPH Open Data**

17:00–17:09 **A Robust Measure of Event Isotropy at Colliders**

17:00–17:09 **Towards Machine Learning Analytics for Jet Substructure**

17:00–17:09 **Search for Boosted Higgs decaying into bottom quark pairs in CMS**

17:00–17:09 **Measurement of boosted top quark pair production**

18:00

Wednesday 22 July

17:00

Session 6: Discussion session

Session | **Location:** Online

17:00–17:09

Measurement of suppression of large-radius jets and its dependence on substructure in Pb+Pb with ATLAS

Speaker
Martin Krivos

18:00

Thursday 23 July

17:00

Session 6: Discussion session

Session | **Location:** Online

17:00–17:09

Machine Learning for Pion Identification and Energy Calibration with the ATLAS Detector

Speaker

Mr Dewen Zhong

17:00–17:09 **Pareto optimization for decorrelated taggers**

17:00–17:09

Explainable AI for ML jet taggers using expert variables and layerwise relevance propagation

18:00