

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