

Session Program

15-19 Aug 2022

14th International Workshop on Boosted Object Phenomenology, Reconstruction, Measurements and Searches in HEP

Taggers

University of Hamburg, Auditorium VMP8
Von-Melle-Park 8 20146 Hamburg Germany

Wednesday 17 August

09:00

Taggers: 1

Session | **Location:** University of Hamburg, Auditorium VMP8, Von-Melle-Park 8 20146 Hamburg Germany | **Convener:** Chris Malena Delitzsch

09:00–09:15

Boosted W/Z boson and top tagging in ATLAS

Speaker

Tobias Fitschen

09:20–09:35

Jet SIFT-ing

Speaker

Prof. Joel Walker

09:40–09:55

Particle Transformer for Jet Tagging

Speaker

Congqiao Li

10:00–10:15

Substructure tagging with mass and pt dependent variable-R jet clustering and a soft drop veto

Speaker

Anna Albrecht

10:20–10:35

Tagging with substructure: Designing robust taggers with high-level observables

Speaker

Alberto Rescia

10:40

11:20

Taggers: 2

Session | **Location:** University of Hamburg, Auditorium VMP8, Von-Melle-Park 8 20146 Hamburg Germany | **Convener:** Jennifer Roloff

11:20–11:35

Modified Matrix Elements for Enhanced Decorrelation in Boosted Resonance Identification, Regression, and Calibration

Speaker

Jeffrey Krupa

11:40–11:55

Towards discrimination and improved modelling of dark sector showers

Speaker

Sukanya Sinha

12:00–12:15

Feature selection using Distance Correlation

Speaker

RANIT DAS

12:20–12:35

Autoencoders for semivisible jet detection

Speaker

Jeremi Niedziela

12:40-12:55

DeXTer: Deep Sets based Neural Networks for Low-pT $X \rightarrow b\bar{b}$ Identification in ATLAS

Speaker

Yuan-Tang Chou

13:00-13:15

Jet tagging algorithm respecting Lorentz group symmetry

Speaker

Congqiao Li

13:20