## **Session Program**

6-10 Nov 2023



## ML4Jets2023 *Anomalies*

DESY, Main Auditorium

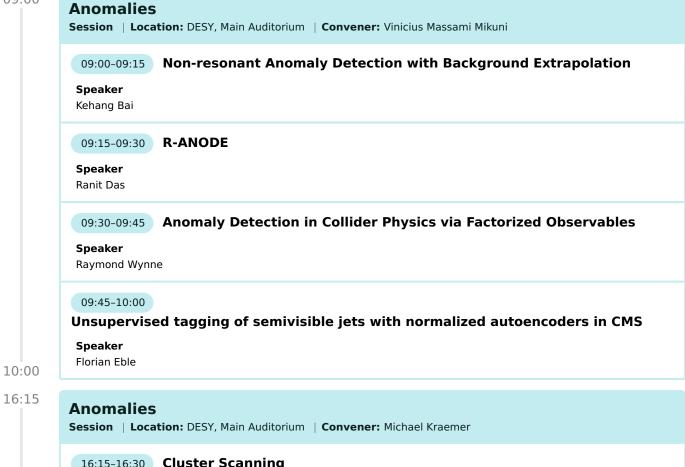
## **Wednesday 8 November**

16:00

**Anomalies** Session | Location: DESY, Seminarraum 4a/b | Convener: Huilin Qu 16:00-16:15 Back to the Roots: Tree-Based Algorithms for Weakly Supervised Anomaly **Detection** Speaker Marie Hein **Robust Anomaly Detection in the Presence of Irrelevant Features** 16:15-16:30 Speaker Yik Chuen San 16:30-16:45 Drapes: Diffusion for weak supervision Speaker Mr Matthew Leigh 16:45-17:00 The Interplay of Machine Learning-based Resonant Anomaly Detection Methods Speaker Radha Mastandrea 17:00-17:15 Full Phase Space Resonant Anomaly Detection Speaker Cedric Ewen 17:15-17:30 Combining resonant and tail-based anomaly detection Speaker Gerrit Bickendorf 17:45

## **Thursday 9 November**

09:00



16:15-16:30 Cluster Scanning Speaker Mr Ivan Oleksiyuk 16:30-16:45 Anomaly Detection in High Energy Physics via Non-Gaussian Variational **Autoencoders** Speaker Thomas Dartnall Stern 16:45-17:00 Quantum anomaly detection in the latent space of proton collision events at the **LHC** Speaker Vasilis Belis

17:00