**Session Program**

**13–15 Dec 2023**


# Workshop on Machine Learning and High-Energy Physics

## *Afternoon Session*

Campus Akademie, Seminar room 1 + 2
Bäckerstrasse 13, 1010 Wien

# Wednesday 13 December

14:00

## Afternoon Session
**Session** | **Location:** Campus Akademie, Seminar room 1 + 2, Bäckerstrasse 13, 1010 Wien

14:00–14:45 **A Survey of Machine Learning Methods for Anomaly Detection**

**Speakers**
Radha Mastandrea, Radha Mastandrea

14:45–15:30

**Back To The Roots: Tree-Based Algorithms for Weakly Supervised Anomaly Detection**

**Speaker**
Michael Kramer

15:30

16:00

## Afternoon Session
**Session** | **Location:** Campus Akademie, Seminar room 1 + 2, Bäckerstrasse 13, 1010 Wien

16:00–16:45 **Semi-visible jets, energy-based models, and self-supervision**

**Speaker**
Luigi Favaro

16:45–17:30

**Hunting for di-Higgs in hadronic final states: showcasing Machine Learning for modelling of hadronic backgrounds and elucidating rare signals**

**Speaker**
Nicole Michelle Hartman

17:30

# Thursday 14 December

14:00

## Afternoon Session

**Session** | **Location:** Campus Akademie, Seminar room 1 + 2, Bäckerstrasse 13, 1010 Wien

14:00–14:45 **The MadNIS Reloaded**

**Speakers**
Theo Heimel, Theo Heimel

14:45–15:30 **Machine learning methods & Ultra-High Energy Cosmic Rays**

**Speaker**
Blaz Bortolato

15:30

16:00

## Afternoon Session

**Session** | **Location:** Campus Akademie, Seminar room 1 + 2, Bäckerstrasse 13, 1010 Wien

16:00–16:45 **Flow Unfolding for CP-Observable Reconstruction**

**Speaker**
Jona Ackerschott

17:30