

Session Program

13-17 Jul 2026



**18th International Workshop on Boosted
Object Phenomenology, Reconstruction,
Measurements, and Searches at Colliders**

***Novel methods from information theory and
ML***

Thursday 16 July

10:50

Novel methods from information theory and ML

Session | **Location:** Krupnicza 33, 31-123 Kraków

10:50–11:10

QCD Theory meets Information Theory

Speaker

Benoit Assi

11:10–11:30

When Do ML Uncertainties Fail? - A PDF fit case study

Speaker

Nina Elmer

11:30–11:50

Using Agentic AI Without Losing the Physics: Lessons from LEP Data Analysis

Speakers

Anthony Badea, Hannah Bossi

11:50–12:10

Going HyPER (and beyond): geometric machine learning methods for collider data analysis

Speaker

Ethan Lewis Simpson

12:10–12:30

New event-wide strategies for increasing di-Higgs efficiency with Machine Learning at trigger level

Speaker

Ana Rita Ferreira Carvalho

12:30