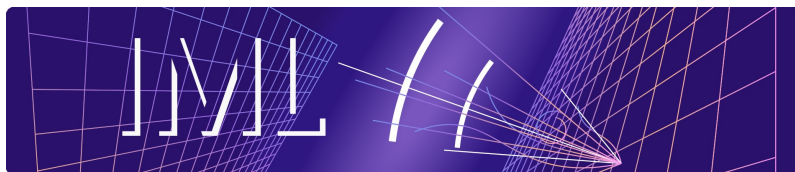


7th Inter-Experimental LHC Machine Learning Workshop



Monday 19 May 2025 - Friday 23 May 2025

CERN

Scientific Programme

1 ML for object identification and reconstruction

2 ML for analysis: Event classification, statistical analysis and inference, anomaly detection

**3 ML for simulation and surrogate model:
Application of ML for simulation or cases of
replacing an existing complex model**

4 LLMs and foundation models

**5 Fast ML: Application of ML to DAQ/Trigger/Real
Time Analysis/Edge Computing**

**6 ML infrastructure: Hardware and software for
ML/MLOps**

**7 ML training, courses, tutorials, open datasets and
challenges**

8 ML in astroparticle physics

9 ML in phenomenology and theory

10 ML for particle accelerators

11 Other