**Session Program**

**5–6 Oct 2026**

# LHC Monte Carlo WG plenary meeting

## *Code and hardware acceleration*

CERN, 4/3-006 - TH Conference Room

# Tuesday 6 October

14:00

## Code and hardware acceleration

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Enrico Bothmann

14:00–14:18 **TBA (MadSpace, MadMatrix, MadNIS, etc.)**

**Speaker**
Theo Heimel

14:18–14:36 **SHERPA with PEPPER and ML Acceleration**

**Speaker**
Enrico Bothmann

14:36–14:54 **Floating-Point Accuracy**

**Speaker**
Frantisek Stloukal

14:54–15:12 **Cell Resampling – the impact of a relative metric**

**Speaker**
Jeppe Andersen

15:12–15:30 **Reduction of negative and pathological weights**

**Speaker**
Rishabh Jain

15:30–15:48
**MadVfold: accelerating NLO event generation and reducing negative weights with SIMD vectorization and GPUs**

**Speaker**
Andrea Valassi

15:48