

Session Program

26-30 Oct 2026

HMBS-Exotics workshop 2026

Joint session

Clermont-Ferrand

Monday 26 October

10:15

Joint session: Techniques and Tricks for success I

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Michael Holzbock, Jackson Carl Burzynski

10:15-10:30 **Analysis milestones and common showstoppers**

10:30-10:45 **Sample discovery & derivations**

10:45-11:00 **DAOD -> ntuple step**

11:00

11:00

Joint session: Techniques and Tricks for success II

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Jackson Carl Burzynski, Michael Holzbock

11:00-11:15 **ML training pipelines for analysis**

11:15-11:30 **Debugging unhealthy fits**

11:30-11:45 **Coding assistants + Agentic AI**

11:45-12:00 **Snakemake for workflow management**

12:00

13:30

Joint session: New tools and what we need to exploit them

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Makayla Vessella , Robert Les

13:30-14:00 **Beyond Main-Stream: Event Picking**

14:00-14:30 **Pileup Searches & TLA for Calibrations**

14:30-15:00

A jet of all trades: q/g, multi-tagging, di-tau, displaced taus and other LLP, low mass taggers

15:00-15:30

ML tools: SPANet/v-flows, anomaly detection, GPR/background-shape regression

15:30

16:00

Joint session: New tools and what we need to exploit them

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Robert Les, Makayla Vessella 

16:00-16:30

PMG: Shower eigenvariations, ChATLAS assisted MC requests, other foreseen improvements

16:30-17:00 **Into the (Omni)fold: Unfolding for Exotics/HMBS**

17:30

17:00-17:30

A LITE at the end of the tunnel?: Feedback on PHYSLITE

Thursday 29 October

09:00

Joint session: Challenges for AP/REI contacts - new developments and ease of use

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Jonas Wurzinger, Tomasz Procter

10:30

11:00

Joint session: What can we learn from each other

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Joany Manjarres, Janna Katharina Behr

12:30

14:00

Joint session: Reinterpretation / Combinations / Summary papers

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Claudia Merlassino, Mahsana Haleem

14:00-14:30

Future Summaries of Dark Matter Searches

14:30-15:00

Future Summaries of Exotic BSM Particle Searches

15:00-15:20

What do we need to make Combinations and Reinterpretation?

15:20-15:30

Prompt → long-lived lessons learnt from RPC-SUSY meets RPV-SUSY?

15:30

16:00

Joint session: Open discussion + BSM WG debrief

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Tamara Vazquez Schroeder, Sara Alderweireldt

17:30

Friday 30 October

09:00



10:30

Joint session: Run 4 and the future

Session | **Location:** MSH, Amphitheatre 219 | **Conveners:** Brian Petersen, Marco Montella