

Session Program

30 March 2025 to 6 April 2025

**59th Rencontres de Moriond 2025: QCD &
High Energy Interactions**

New Phenomena

Wednesday 2 April

09:10

New Phenomena: Morning

Session | **Location:** Hotel Planibel, La Thuile, Italy

09:10–09:25 **SUSY (including LFV) at CMS and ATLAS**

Speaker

Hyejin Kwon

09:30–09:45 **Search for new resonances at CMS and ATLAS**

Speaker

Mario Masciovecchio

09:50–10:05 **Long-lived and dark matter searches at ATLAS and CMS**

Speaker

Cristiano Alpigiani

10:10–10:30 **Coffee break**

10:30–10:45

Search MS for displaced jets in the muon spectrometer and search for heavy neutral leptons (HNL) with displaced vertices at ATLAS

Speaker

Dominique Trischuk

10:50–11:05 **Run 3 searches with special data streams at CMS**

Speaker

Connor Houghton

11:10–11:25 **Searching solo for the invisible at CMS**

Speaker

Matteo Cremonesi

11:30–11:45 **Tau and dark sector measurements at Belle and Belle II**

Speaker

Zuzana Mediankin Gruberova

12:00

17:00

New Phenomena: Afternoon

Session | **Location:** Hotel Planibel, La Thuile, Italy | **Convener:** Eleni Vryonidou

17:00–17:15

Observation of the $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decay and measurement of its branching ratio by the NA62 experiment at CERN

Speaker

Fabio Ambrosino

17:20–17:35 **New Results of the FASER Experiment**

Speaker

Stefano Zambito

17:40–17:55

Simplified Models of New Heavy Vectors at the LHC and Beyond

Speaker

Michael Baker

18:00