

**Session Program**

**30 March 2025 to 6 April 2025**

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

***Heavy Ions***

# Saturday 5 April

09:00

## Heavy Ions: Morning

**Session** | **Location:** Hotel Planibel, La Thuile, Italy | **Convener:** Thomas Becher

09:00–09:20 **Heavy-Ion Introduction**

**Speaker**

Nima Zardoshti

09:25–09:40 **Hard probes at ATLAS and CMS**

**Speaker**

Klaudia Maj

09:45–10:00 **Energy-energy correlators in small and large systems with ALICE**

**Speaker**

Beatrice Liang-Gilman

10:05–10:20 **Simulating jets using a realistic medium model**

**Speaker**

Isobel Kolbe

10:25–10:45 **Coffee break**

10:45–11:00

**Investigating charm-quark dynamics in the QGP via the charm-hadron elliptic flow in Pb-Pb collisions with ALICE**

**Speaker**

Stefano Politano

11:05–11:20 **Investigating Quarkonia collectivity in heavy-ion collisions with ALICE**

**Speaker**

Victor Valencia Torres

11:25–11:40

**Collectivity in Heavy-ion Collisions at High Baryon Density from STAR Beam Energy Scan II**

**Speaker**

Li-Ke Liu

12:00

17:00

## Heavy Ions: Afternoon

**Session** | **Location:** Hotel Planibel, La Thuile, Italy | **Convener:** Nima Zardoshti

17:00–17:15 **Heavy ion physics with the sPHENIX experiment**

**Speaker**

Ejiri Naomi Umaka

17:20–17:35

**Search of phase transition signatures with measurements of high-order net-proton fluctuations with ALICE**

**Speaker**

Mario Ciacco

17:40–17:55

**Initial-state-driven spin correlations in high-energy nuclear collisions****Speaker**

Enrico Speranza

18:00–18:15

**Charged-particle production in pp collisions at 13.6 TeV and Pb-Pb collisions at 5.36 TeV with ALICE****Speaker**

Tulika Tripathy

18:20–18:40

**Coffee break**

18:40–18:55

**Centrality dependence of Lévy-stable two-pion Bose-Einstein correlations indicate a second QCD transition in  $\sqrt{s(NN)} = 200$  GeV Au+Au collisions at PHENIX****Speaker**

Tamás Csörgő

19:00–19:15

**Heavy-ion and fixed-target physics at LHCb****Speaker**

Daniele Marangotto

19:20–19:35

**Heavy Ion Ultra Peripheral Collisions at CMS and ATLAS****Speaker**

Gabor Veres

20:00