

**Session Program**

**20-24 Apr 2026**

**Quantum Observables for Collider Physics  
2026**

***Session 8***

CERN, 4/3-006 - TH Conference Room

## Thursday 23 April

09:15

### Session 8: Quantum Information at the QCD Frontier

Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Yoshitaka Hatta

09:15-09:40

#### Probing quantum properties of the quark-gluon plasma via spin correlations of Lambda hyperons [20'+5']

**Speaker**

Enrico Speranza

09:40-10:05

#### STAR Collaboration results on the measurement of $\Lambda$ - $\bar{\Lambda}$ entanglement [20'+5']

**Speaker**

Zhoudunming Tu

10:05-10:30

#### Quantum computing and entanglement for scattering observables in low energy few-nucleon systems [20'+5']

**Speaker**

Thomas Richardson

10:30

11:00

### Session 8: Quantum Information at the QCD Frontier

Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Laura Pintucci

11:00-11:25

#### Towards a Quantum Information Theory of Hadronization [20'+5']

**Speaker**

Rebecca von Kuk

11:25-11:50

#### The Maximal Entanglement Limit in Statistical and High Energy Physics [20'+5']

**Speaker**

Dmitri Kharzeev

11:50