

**Tříkrálová konference  
3KK2025**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Opening

*Friday, January 3, 2025 10:00 AM (10 minutes)*

**Presenter:** FRIAK, Martin (Ústav fyziky materiálů AV ČR, v. v. i., Brno)

Contribution ID: 2

Type: **not specified**

**TBA**

*Friday, January 3, 2025 10:10 AM (45 minutes)*

**Presenter:** VORECHOVSKY, Miroslav (VUT Brno)

Contribution ID: 3

Type: **not specified**

## **Penning trapped ions for quantum computing and sensing**

*Friday, January 3, 2025 11:25 AM (45 minutes)*

**Presenter:** HRMO, Pavel (ETH Zurich)

Contribution ID: 4

Type: **not specified**

# **LHC Luminosity Monitors: Analysis to Validate Their Calibration**

*Friday, January 3, 2025 1:40 PM (20 minutes)*

**Presenter:** ZERTOVA, Karla (CERN / FJFI CVUT)

Contribution ID: 5

Type: **not specified**

## **Small Systems at LHC in CERN**

*Friday, January 3, 2025 2:00 PM (20 minutes)*

**Presenter:** BOMBARA, Marek (UPJS Kosice)

Contribution ID: 6

Type: **not specified**

# **Gamma-ray Astronomy with Imaging Atmospheric Cherenkov Telescopes**

*Friday, January 3, 2025 2:20 PM (20 minutes)*

**Presenter:** CECHVALA, Partrik (FzU AV CR Praha)

Contribution ID: 7

Type: **not specified**

## **Hidden Covalent Insulator and Spin Excitations in SrRu<sub>2</sub>O<sub>6</sub>**

*Friday, January 3, 2025 3:00 PM (20 minutes)*

**Presenter:** CSONTOSOVA, Diana (MUNI Brno)



Contribution ID: 8

Type: **not specified**

## **Non-Relativistic Spin Currents and Torques in Antiferromagnets**

*Friday, January 3, 2025 3:20 PM (20 minutes)*

**Presenter:** ZELEZNY, Jakub (FzU AV CR Praha)

Contribution ID: 9

Type: **not specified**

# The Importance of Mid-circuit Measurements in Quantum Computing

*Friday, January 3, 2025 3:40 PM (20 minutes)*

**Presenter:** REITZNER, Daniel (VTT Finland)

Contribution ID: **10**

Type: **not specified**

# Hybrid Quantum Computing of the Electronic Structure of Crystals

*Friday, January 3, 2025 4:00 PM (20 minutes)*

**Presenter:** KREJCI, Michal (UFM AV CR Brno)