

# **High precision measurements of kaonic atoms**

**Wednesday, February 9, 2022 - Wednesday, February 9, 2022**

**LNF**

## **Scientific Program**

## High precision measurements of kaonic atoms

Laboratori Nazionali di Frascati,

9th February 2022

10:00 – 10:10 Catalina Curceanu: High precision measurements of kaonic atoms: introduction

10:10 – 10:30 Catalina Curceanu: Status of SIDDHARTA-2 and future plans

10:30 – 10:45 Johann Zmeskal: Development of CZT detector systems for a broad energy range 10 - 1000 keV for hadron physics

10:45 – 11:10 Tadashi Hashimoto: Kaonic atom experiments with TES microcalorimeters

11:10 – 11:30 Alessandro Scordo: VOXES: a detection system with eV resolution for X rays in KeV range

11:30 – 11:45 Break

11:45 – 11:55 Luca De Paolis: The E2 nuclear resonance effect: new possible investigation on strong interaction in kaonic atoms

11:55 – 12:10 Claude Amsler: Impact of the  $K^+$  mass on the charmonium spectrum

12:10 – 12:40 Paul Indelicato: The kaon mass from kaonic atoms: atomic energies and cascade simulations

12:40 – 13:00 Discussion