

## Kaonic Atoms: present status and future plans

18<sup>th</sup> July 2023

### Place:

LNF-INFN, Aula Salvini

### Program:

9:00 - 9:30 Registrations

9:30 – 9:45 Welcome and Intro (Catalina)

9:45 – 10:15 SIDDHARTA-2 status and data taking (Florin)

10:15 – 11:00 Data analyses: KHe, KNe, Kd and perspectives (Francesco....)

11:00 11:30 Coffee Break

11:30 – 12:00 Data taking with HPGe – status and plans (Ivica)

12:00 – 12:30 Data taking with CdZnTe – status and plans (Alessandro)

12:30 – 13:00 Monte Carlo status (Diana and Kamil)

13:00 - 13:30 SIDDHARTA-2 and ALICE – confluences (Oton)

13:30 – 14:40 Lunch

14:40 – 15:00 Measurement of the charged kaon mass (Claude)

15:00 – 15:30 Plans for 2024 run – solid targets, 1 mm SDD....

15:30 – 16:00 Future plans & EXKALIBUR (Catalina)

16:00 – 16:30 Coffee Break

16:00 – 16:20 Highlight for future plans: Kaonic Mo (Luca)

16:20 – 16:40 Kaonic atoms cascade (Simone)

16:40 – 17:00 Machine learning (Fabrizio, Simone...)

17:00 – 17:20 "Cerco un centro di gravità permanente": out-of-equilibrium Kaons and topology changes (Antonino)

17:20 – 18:00 Discussions