We welcome you to Week 2 of

# Lattice@ 2024

The goal of this workshop is the **exchange and discussion of ideas**.

### **Physics**

### Topic: Weak Matrix Elements

- 11 Talks (45+15)
- TH-Colloquium by Amy Nicholson (Wed.2pm)
- 6 formal discussions (1h)
- Time table on <u>indico</u>

### Social events

- Informal discussions, a.k.a. coffee breaks (outside main auditorium, a.k.a. Mezzanine)
- Reception (today 6pm) in R1
- Workshop dinner (Thurs) at Le Figuier (on the tram line)

Mattia Dalla Brida, Michele Della Morte, Matteo Di Carlo, Felix Erben, Elvira Gamiz, Andreas Jüttner, Simon Kuberski, Amy Nicholson, Agostino Patella, J. Tobias Tsang.

# **CERN TH Lattice group**













Matteo Di Carlo

Felix Erben

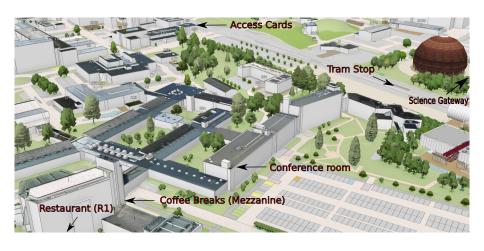
Jacob Finkenrath Andreas Jüttner Simon Kuberski

Tobi Tsang



Associate Alexei Bazavov

# Getting around CERN



### Recap of Week 1 - Inverse Problems

- Many topics: (thermal QCD matter, spectral reconstruction, R-ratio and g - 2, PDFs, inclusive decays, scattering amplitudes)
- Many <u>discussions</u>
- $\bullet \, \sim 40 \,\, \text{participants}$
- sufficient subsistence (reception, coffee breaks & fruit and croissants, fondue in July)



A lot to live up to in Week 2 - but we'll try!!

## Line-up for this week



- $M B \rightarrow D^* \ell \nu$
- T heavy-light decays
- W rare decays & nucleons
- T QED-corrections
- F hadronic decays & vector final states

(↑ includes 2 currently unassigned discussion sessions to be used as overflow/for topics that come up during the workshop. Let us know!)

#### Let's get started!!