



Institute of High Energy Physics
Chinese Academy of Sciences


Mini-Workshop on Beam Dynamics Simulation for Particle Accelerators **RF-Track: Introduction and Tutorials**

A Hands-on Course on Particle Tracking and Collective Effects

Main Speaker: Dr. Andrea Latina (CERN)

Local Organizer: Xingguang Liu (IHEP)

 CSNS Campus, Institute for High Energy Physics, Dongguan, China

 October 26–31, 2025

Program Highlights:

- Introduction to RF-Track
- Tracking in lattices and volumes
- Space charge, wakefields, radiation
- User-defined elements, fields, and effects
- Hands-on tutorials in Python & Octave

- Introduction to codes/programs being developed in China

“Simulate the beam. Master the physics. Accelerate your skills.”