

### **Aim of the workshop**

In view of the forthcoming delivery of the FCC mid-term report (CDR<sup>+</sup>) in May 2025, the workshop aims at evaluating the TE deliverables allowing the FCC project to complete the FCC-ee infrastructure definition (underground & surface, but w/o injector) and to assess its compatibility with a future FCC-hh machine (tunnel cross-section & space reservation at surface).

Each TE technical group will present the scope of their FCC works, its status (done, started and pending) and what is missing, in particular from other WPs/Groups to be able to deliver early 2025.

### **Question to be answered with the workshop**

What is needed to deliver early 2025 the FCC CDR<sup>+</sup>, i.e.

- to finalise the infrastructure definition for surface and underground for FCC-ee (w/o injector)
- to confirm for FCC-hh
  - o its compatibility with the FCC-ee tunnel cross-section,
  - o its compatibility with the FCC-ee space reservation at the surface as well as
  - o the principle for a cryogenic layout with 8 surface points,

considering where applicable the FCC MTR recommendations.

### **TE approach**

TE approaches its FCC works by group with one linkperson per group and participation to FCC WPs as subject matter expert.

The workshop talks should describe

- the scope of each TE FCC activity,
- what is done or has been started and
- what is pending, missing or open,

to have a shared view on the status of TE works, related challenges, and the proposed solutions.

Each TE group set of presentations is summarised in a final talk by the group leader concluding on the top challenges by decreasing priority and their proposed solution(s) submitted to the management for endorsement/decision.

It is important to remind the recommendations for the technical baseline (*'ideal solution'*) as seen by the expert, even though not formally endorsed at this stage of the feasibility study.