

FOSTERING SWISS COLLABORATION
TOWARDS A FUTURE CIRCULAR COLLIDER
-- PART 2 --

GOALS OF THE WORKSHOP

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FCC ACTIVITIES IN CH



2020 EUROPEAN STRATEGY UPDATE



An electron-positron Higgs factory is the highest-priority next collider. For the longer term, the European particle physics community has the ambition to operate a proton-proton collider at the highest achievable energy

<https://europeanstrategy.cern/european-strategy-for-particle-physics>

- Conceptual design report (2020)
- Technical and financial feasibility study due for next EU strategy update (2027)
- CH groups are getting involved in the feasibility studies with modest individual activities
- A strong participation is envisaged beyond that



An entity similar to CHART is being proposed:

- CHEF: CH Experimental research for the FCC
- Its structure will roughly follow the FCC one
- Where CH researchers want to contribute will define its work-packages



The goal of this workshop is to identify interest for participation in concrete projects and collaborative activities to establish a strong program of work packages


STRUCTURE OF THE WORKSHOP



Thursday:

- Why the FCC
- Input from Council, SERI, ECFA, CHART
- Overview of FCC hardware activities
- News from CH hardware activities of relevance to the FCC
- DISCUSSION: CH hardware activities based on expressions of interest at the previous and this workshop

Friday:

- Input from Theory - CH activities related to FCC
- Analysis activities in CH
-  DISCUSSION: Definition of CHEF work-packages



WHAT PARTICIPANTS CAN DO TO HELP FOR A SUCCESSFUL WORKSHOP



- Please discuss!
- Please add your comments for discussion here:
<https://docs.google.com/document/d/1seR9n-dKf8uQVb0NtRJNnUVz43Jf6Gzvo4uLWIkqSa4/edit#>
- Thank you!