

Introduction to the Workshop

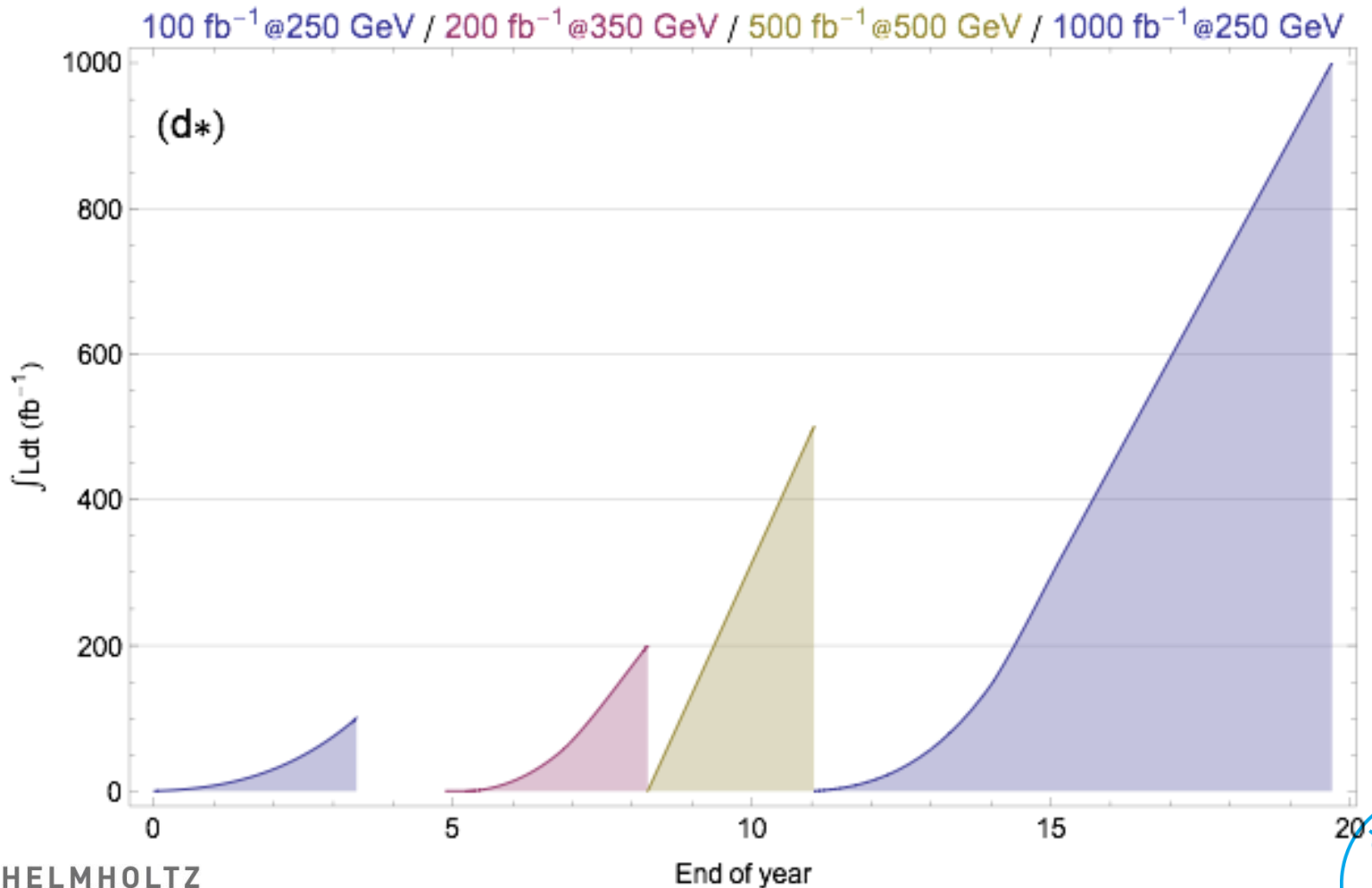
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May 26, 2014

- Publication on test-beam results is progressing
- Two abstracts prepared for ICHEP → one talk and one poster
- Report to the “Detector R&D” liaison
- AIDA II application
- Beam-time at SLAC and CERN

ILC issues

Energy staging (example)



ILC and CLIC issues

Physics and Detector working groups

Detector R&D liaison

- Compiling detector R&D efforts
- Publication of a report in Belgrade, LCWS14

Conference talk group

- Coordinating the abstract submission to major conferences (firstly done for ICHEP 2014)

ILC parameter working group

- Scenarios for energy staging
- physics./detector and accelerator interplay

Physics working group

- Physics case of ILC/CLIC

Physics and Detector working groups

Software and computing working group

- Development of common software tools
- Computing needs for the experiments

MDI working group

- Design of the detector hall
- Integration of the detectors
- Alignment, feedback near the IP
- Detector assembly/installation

Expert committee under MEXT

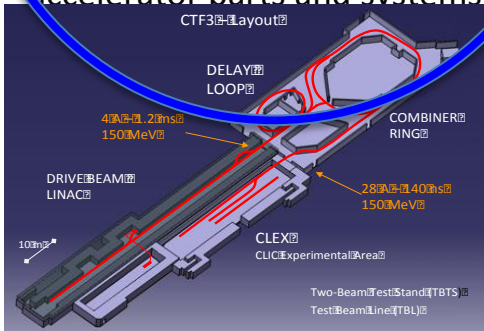
- Currently 13 members, no ILC proponents
- Report end of March 2016
- Mission:
 - physics case
 - total budget and international sharing
 - human resources for construction
 - social and economic effects in Japan

P5 report in US: *Motivated by the strong scientific importance of the ILC and the recent initiative in Japan to host it, the U.S. should engage in modest and appropriate levels of ILC accelerator and detector design where the US can contribute critical expertise. Consider higher levels of collaboration if ILC proceeds.*

CLIC timeline

2013-18 Development Phase

Develop a Project Plan for a staged implementation in agreement with LHC findings; further technical developments with industry, performance studies for accelerator parts and systems.



2018-19 Decisions

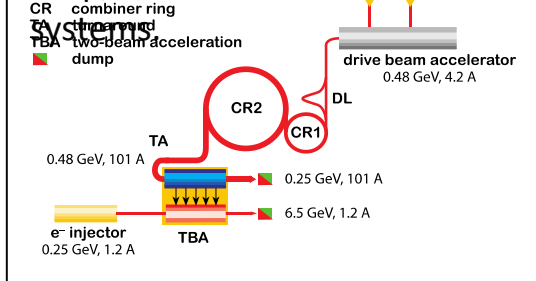
On the basis of LHC data and Project Plans (for CLIC and FCC in particular), take decisions about next project(s) at the High Energy Frontier.

4-5 year Preparation Phase

Finalise implementation parameters, Drive Beam Facility and other system verifications, site authorisation and preparation for industrial procurement.

Prepare detailed Technical

Proposals for the detector Systems



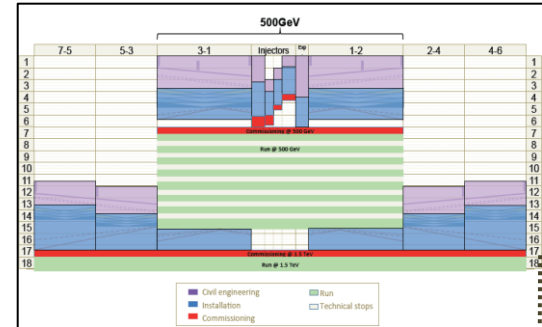
2024-25 Construction Start

Ready for full construction and main tunnel excavation.

Construction Phase

Stage 1 construction of CLIC, in parallel with detector construction.

Preparation for implementation of further stages.

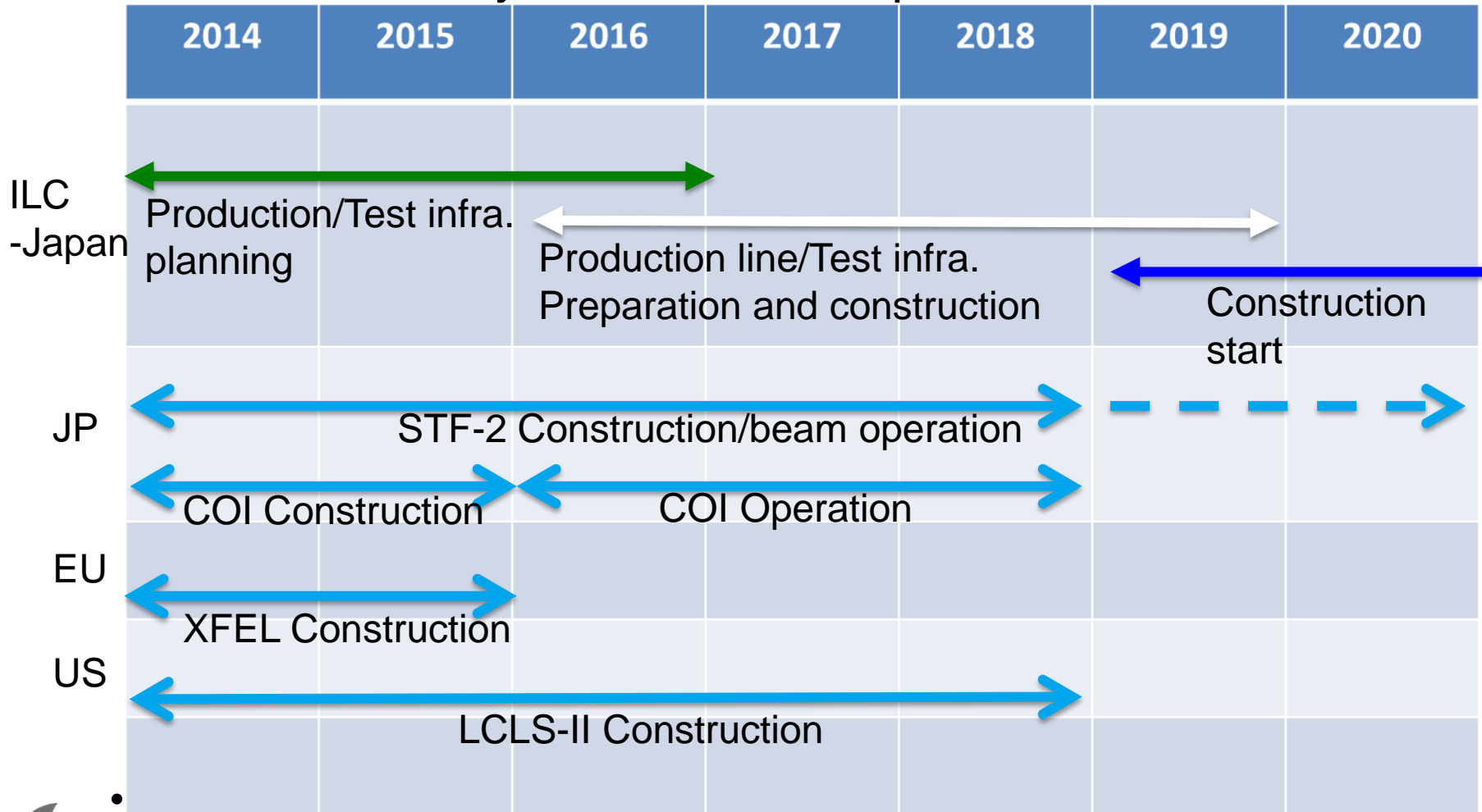


Commissioning

Becoming ready for data-taking as the LHC programme reaches completion.

ILC timeline

Global Cryomodule development timeline



- Finalize and submission of the paper on the test-beam results
- Preparation of the next test-beam with 4-5 sensor layers
- Continuation of the irradiation studies at SLAC
- Complete AIDA II application
- Design and realization of a “full length calorimeter”
- Design optimization
- Physics case sharpening

Next International Workshop



Auf dem Weg zur Trendmetropole: Belgrade is seen as a trendy city of change from the Swiss Magazine.