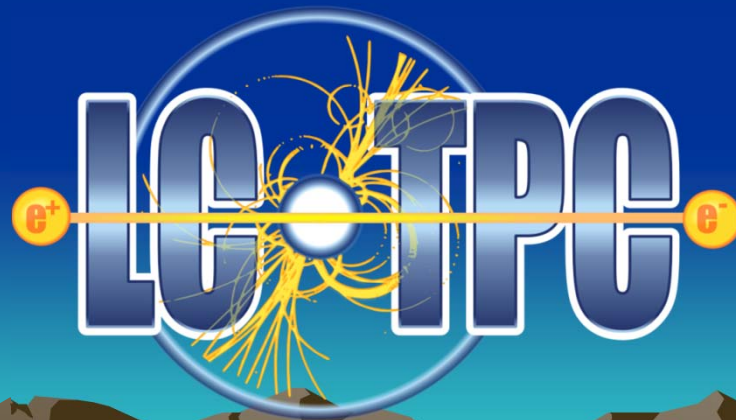


TPC "To do" list

Collaboration Meeting January 2021

Everybody is familiar with the list, so this is just a reminder



Overall timeline



ILC IDT (~1.5 years)

- Prepare the work and deliverables of the ILC Pre-laboratory and work out, with national and regional laboratories, a scenario for their contributions
- Prepare a proposal for the organisation and governance of the ILC Pre-laboratory

ILC Pre-laboratory (~4 years)

- Complete all the technical preparation necessary to start the ILC project (infrastructure, environmental impact and accelerator facility)
- Prepare scenarios for the regional contributions to and organisation for the ILC.

ILC laboratory

- Construction and commissioning of the ILC (~9-10 years)
- Followed by the operation of the ILC
- Managing the scientific programme of the ILC

‘From Steiner Stapnes’ talk at Desy meeting on 20210115

<https://agenda.linearcollider.org/event/9049>

The ``To Do`` List

The start of detector construction should be at the same time as the start of the ILC machine construction

--Downselect GEM, MicroMegs, Pixel **2022**

--Build, Test Prototype (in 4T if possible)

-- Organize Fabrication/Assembly by Participating Labs/Countries **2024**

Design of Components

Manufacture of Components **2026**

Modules -> Decide Module Size

Endplate

Fieldcage

Electronics

Cooling

HV, LV, Powerpulsing

Distribute Software-Programming Tasks

Readout DAQ

Reconstruction Software

--Measure the B-field Map

--Assembly of Components

-- Install the TPC into ILD

2021-01-19

Ron Settles MPI-Munich
LCTPC Options