

Memorandum on a Fast Realisation Scenario for a Global Linear Collider

The German Linear Collider Community

Recently, two major events have occurred in view of the preparations for a global e^+e^- Linear Collider (LC) project:

- At the LHC a new particle has been discovered, which to our current knowledge is compatible with being a Higgs boson.
- The Japanese particle physics community has expressed a strong interest to host a linear collider in Japan. It is proposing two concrete sites for such a facility.

These two events are of strategic importance: they allow for a timely construction of a LC by the middle of the next decade, a scenario which was discussed in a very positive way in the Open Symposium on September 10-12, 2012 in Cracow. Our community believes that every action should be taken at the European level to use this unique opportunity to build a LC and thus to reach a far deeper understanding of the physical laws of our universe.

German universities and non-university institutes have contributed substantially to the worldwide studies on the LC physics case and to the LC accelerator and detector R&D. This German LC community considers that it is of prime importance to have a significant contribution of the European HEP community to this global project at the energy frontier, without compromising or delaying the upgrade of the LHC at CERN.

We welcome and support CERN's willingness to participate in projects at the energy frontier even when these projects are realised outside of Europe, provided they are of a global nature. In this context, CERN should play a central role in Europe for this project, which will bring unique opportunities to the European HEP groups at universities and research labs.

We would like to stress that the ongoing efforts of the world LC community have reached the right state of readiness for launching such a project.

Therefore, the German LC community believes that Europe should embrace this opportunity and give high priority to support the Linear Collider as a global project in Japan, realised as early as possible.