



Contribution ID: 63

Type: **Talk**

## Overview on the ILC project and political situation in Japan

*Saturday, 5 September 2020 18:20 (30 minutes)*

A large, worldwide community of physicists is working to realise an exceptional physics program of energy-frontier, electron-positron collisions with the International Linear Collider (ILC). This is an ideal collider for precision studies of the Higgs boson and searches for new physics beyond the Standard Model. The Higgs factory is recommended as the highest-priority next collider after CERN's LHC. The ILC satisfies this priority, with an initial center-of-mass energy of 250 GeV as a "Higgs Factory", and the upgradability up to 1 TeV. It is the most advanced proposal in technology, maturity, cost, and preparation in international cooperation. Highlighting the global nature of particle physics, the 2020 European Strategy Update for Particle Physics reaffirms that the timely realization of the ILC in Japan is compatible with the strategy. In this talk, we will review the physics goals and prospects, the key accelerator and detector technologies, and the recent advances of the project.

### Is this abstract from experiment?

Yes

### Is the speaker for that presentation defined?

Yes

### Name of experiment and experimental site

overview talk

### Internet talk

Yes

### Details

Hitoshi Murayama

**Primary authors:** EIGEN, Gerald (University of Bergen (NO)); MURAYAMA, Hitoshi (University of California Berkeley (US))

**Presenter:** MURAYAMA, Hitoshi (University of California Berkeley (US))

**Session Classification:** Plenary