

November 1, 2019

Statement toward the realization of the ILC: ‘Sendai Statement’

Scientists from many nations are now gathered together at the International Workshop on Future Linear Colliders (LCWS2019) in Sendai, Japan. Together with colleagues from around the world we hereby issue the ‘Sendai Statement’;

We reaffirm the importance of ILC construction.

As already stated in the Fukuoka Statement of May 2018, the Texas Statement of October 2018, and the statement issued by ICFA/LCB in March 2019, the construction of a Higgs Boson Factory is affirmed by the global particle physics community as our essential next step towards understanding the Universe.

ILC is the most realistic and mature machine for realization.

The ILC is ready now to proceed with the engineering design phase leading to project implementation. The key superconducting acceleration technology has been successfully demonstrated in the European Free Electron Laser (XFEL) in Germany and prototypes have also been developed in Japan, China and the USA. Consequently, the cost estimate is on a sound technical basis. The nano-beam technology required for achieving its design luminosity performance has been developed and demonstrated at the KEK Accelerator Test Facility. The ILC design allows the flexibility for it to be upgraded in the future to reach even higher energy and luminosity, thereby guaranteeing a long and productive research program.

We have strong support from the local community.

The Government of Japan's continuing interest in the ILC within MEXT and related ministries and agencies expressed at the ICFA/LCB meeting in March 2019 is highly appreciated as the first official view of the Government of Japan. Researchers around the world are also very grateful for the strong and continuous support provided by Japanese Diet members. In addition, through the entire period of this workshop, we have felt the strong support and enthusiasm for the realization of ILC from the community in Japan, particularly in the Tohoku area.

We are committed to making the ILC a success.

Given the ILC's scientific importance, its technical maturity, and the strong support for realizing it in Japan, we, the international community participating in LCWS2019 in Sendai, as well as our colleagues around the world working on ILC, reaffirm our commitment to proceeding with the construction and scientific exploitation of the ILC as soon as the project is launched.

Scientists attending LCWS2019
on behalf of the global Linear Collider Collaboration