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Tohoku ILC Promotion Council General Meeting

On June 14, there was a general assembly of the Tohoku ILC Promotion Council in Sendai.

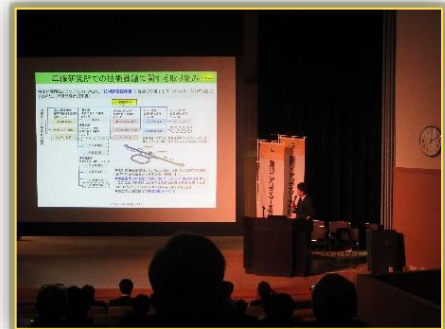
At the general meeting, the following resolutions were passed as requests to the government:

- Government-wide promotion of the ILC's attraction
- Budgetary measures for developing a next-generation, high-performance accelerator

Following the General Assembly, Dr. Shoji Asai, who became the Director General of KEK in April, delivered a talk about upcoming initiatives to bring the ILC to fruition as an international project

ILC Explanatory Seminar

The Tohoku ILC Project Promotion Center hosted an ILC Explanatory Seminar, which took place in the Kawasaki Civic Center on February 17. Researchers working on ILC R&D provided explanations of domestic and international trends including the ILC Technology Network, an international framework for collaborative R&D, and the status of high-energy physics studies in the U.S as well as ILC safety measures. The Tohoku ILC Project Promotion Center provided an overview of its initiatives to enhance the



What can be learned through the ILC?

The ILC accelerates electrons and positrons to an extreme speed close to the speed of light and causes them to collide head-on. The electrons and positrons are then annihilated, creating a “mass of energy” one trillionth of a second after the birth of the universe. Various particles, including the Higgs boson, are then emitted from this mass, creating a phenomenon that no one has ever reproduced before. By observing these particles, we will be able to solve the long-held mysteries of how the universe was born and how matter was created.

The Value and Future Promised by Developing the ILC in Japan

The ILC is intended as a facility of international cooperation where international researchers, their families, and related industries gather to drive innovation using a broad range of advanced technologies, including superconductivity, nanotechnology, super computers, and digital transformation (DX), contributing to science for peace and development for the future. The ILC will also serve as a model for a new form of globally-linked regional development that incorporates the concept of an “eco-friendly ILC” ahead of the SDGs. This includes energy reuse, the use of waste heat, and the construction of wooden research facilities.