

What is the **ILC** ?

The International Linear Collider will give science a new cosmic doorway to explore energy regimes beyond the reach of today's technology. A proposed electron-positron collider, the ILC will unlock some of the deepest mysteries in the universe, providing missing pieces of the puzzle. Using unprecedented technology, discoveries are within reach that could stretch our imagination with new forms of matter, new forces of nature, new dimensions of space and time and bring into focus Albert Einstein's vision of an ultimate unified theory. Realizing the ILC will make Japan the global center for the particle physics laboratory.

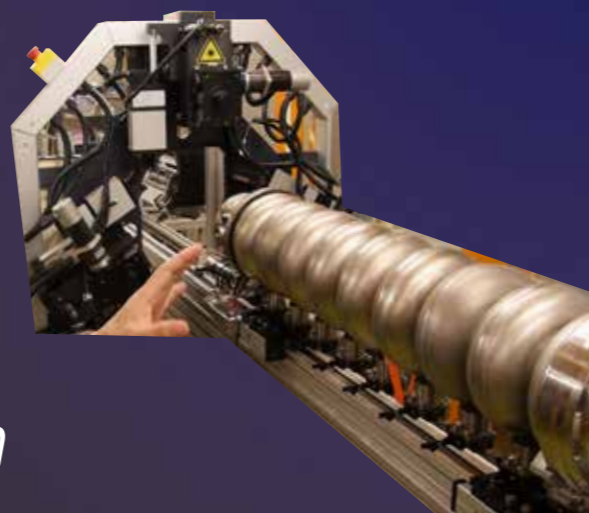
INTERNATIONAL LINEAR COLLIDER



* Belle-II Detector at KEK (Tsukuba)



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Map showing planned ILC location. With solid, unified granite earth, Kitakami was selected by scientists as the most appropriate location.

Kitakami Chosen as the Site for a True World-scale Project

Kitakami, Tohoku, was selected from many other candidate sites in the world to host this gigantic, hugely significant project. Here, it is very important to understand that the ILC project has resonance far beyond the scientific community. Kitakami will literally be the center for a considerable part of the scientific activities in the world, and that means we will witness the birth of a whole new community, industry and experience for every single one of us who live in Tohoku.

The Future is Now, in Kitakami

The ILC is not only for scientists. Even if you are not an expert in elementary particle physics, the sheer beauty of the cutting-edge machinery, and the extraordinary scale of the whole apparatus would have to arouse your curiosity. As the ILC project progresses, there will be numerous opportunities for the general public to know and learn about it. Don't miss them!



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30 km in Length, 10 Years in Construction

Numbers in the ILC project are mesmerizing. The scale of the project is unprecedented. The total length of the apparatus will be 30km or even more, 100m underground. Construction is estimated to take 10 years, and after completion, the apparatus will be the world's core research facility for 50 years. It is the project of a generation for the whole world.

10,000 People Moving into Tohoku from Around the World

Hosting the ILC is not only about housing the enormous physical apparatus. It is also about hosting a community of 10,000 people from around the world—mainly scientists, often with their families—who will move to Kitakami and surrounding areas. So it is about having a whole new, diverse and dynamic community that will boost the academic, cultural and business activities internationally like Tohoku has never seen before. Surely if you are a non-Japanese national living in Miyagi, you have a lot to look forward to!