

Statement by the Japan High Energy Physics Committee
on the International Linear Collider

November 7, 2004

In August 2004 the International Committee for Future Accelerators (ICFA) endorsed the recommendation of the International Technology Recommendation Panel (ITRP) that superconducting RF technology be adopted for the internationally proposed linear collider (ILC). This decision is a significant step forward toward realization of the ILC with the three regional R&D efforts now being unified. The Japan High Energy Physics Committee (JHEPC) thanks the ITRP for their hard work that led to the early resolution of the difficult task of the technology choice.

While R&D in Japan were mostly concentrated on normal conducting RF technology in the past, Japan's expertise in superconducting cavity technology that has been long developed in the TRISTAN and KEK-B projects, and KEK's Accelerator Test Facility (ATF) that produces the world's highest quality beam, would no doubt become great assets for the development of the superconducting ILC. The Japanese and Asian high energy communities strongly endorse the ILC as the next-generation accelerator that promises rich and fruitful physics outcome and wish to contribute for earlier realization of the ILC.

Upon the ITRP's technology choice, the JHEPC, after leading the discussion in the Japanese community as to how Japan should proceed to the new stage of the ILC researches after the decision, confirms as the consensus of the high energy physics community in Japan that scientists and engineers in Japan should cooperate to realize the ILC by actively participating in the activities of the Global Design Initiative (GDI) of the ILC.

The JHEPC therefore urges that more scientists and engineers work on their own initiative in closer cooperation with industry for the ILC and play the leading role in the GDI. The JHEPC also supports KEK's proposal to host the Central Team of the GDI.