

## Recent ILC R&D status

*Saturday, July 7, 2018 11:00 AM (24 minutes)*

Key technologies for the ILC are nano-beam and superconducting rf system (SRF). The final beam size at 250GeV ILC, which was announced at ICFA on last November, is ~8nm. In case of 250 GeV ILC, the number of SRF cavities becomes half (compared with 500 GeV). However, the cost of the SRF is still dominant in the ILC accelerator cost. We have started the cost reduction R&D at SRF since last year. The recent progress of these key technologies will be reported.

**Primary author:** Prof. MICHIZONO, Shinichiro (KEK)

**Presenter:** Prof. MICHIZONO, Shinichiro (KEK)

**Session Classification:** Accelerators: Physics, Performance, and R&D for Future Facilities

**Track Classification:** Accelerator: Physics, Performance, and R&D for Future Facilities