

Current developments by SiD and ILD

The International Linear Collider (ILC) has been very prominently mentioned in the international strategy documents for HEP and there is a strong interest in Japan to become the host country for the ILC. Two detectors have been proposed for the ILC, the SiD and ILD concepts. They have been validated by an international advisory committee and Detailed Baseline Designs have been presented in 2012. While both detectors are built for particle flow, their approach to tracking is quite distinct. While ILD uses a combination of a TPC with silicon, SiD has an all-silicon approach to tracking with a fully integrated tracker. I will first give an overview about both concepts and then review the recent technology developments for both vertex and tracker sensors as well as the state of the reconstruction software suites. I'll conclude with a short summary on the ILC status in Japan.

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