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## The SiD Detector for the International Linear Collider

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The SiD Detector is one of two validated detector designs for the future International Linear Collider. SiD features a compact, cost-constrained design for precision Higgs and other measurements, and sensitivity to a wide range of possible new phenomena. A robust silicon vertex and tracking system, combined with a 5 Tesla central solenoidal field, provides excellent momentum resolution. The highly granular calorimeter system is optimized for Particle Flow application to achieve very good jet energy resolution over a wide range of energies. Details of the proposed implementation of the SiD subsystems, as driven by the physics requirements, will be given. Integration with the accelerator, the push-pull mechanism, and the detector assembly procedures at the Kitakami site will be described, together with the estimated timeline for construction in relation to the overall ILC Project.

### Oral or Poster Presentation

Oral

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