Stanford University Graduate Student Rotation Projects in SiD

Rotation Projects in SiD

The Silicon Detector (SiD) is being designed for a future e+e- linear collider. The linear collider will provide precision information at the terascale needed to understand the discoveries at the LHC. The physics opportunities at a linear collider require detector performance well beyond the current state of the art, so new technologies and new approaches are being developed and prototyped. Our efforts range from developing new readout ASICs, to prototyping new silicon sensors, designing and building a prototype electromagnetic calorimeter, and developing new algorithms and physics analyses with simulated data to test the performance of our detector designs. Rotation projects in each of these areas are available for interested students.

Contact persons: John Jaros and Marty Breidenbach