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Seed-based Tracking Algorithm for SiD

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One of the approaches to track finding in SiD is to identify track seeds in the silicon pixel vertex detector and then associate hits with the seeds in the silicon strip outer tracker. This talk describes tracking code developed in the org.lcsim framework that constructs track seeds from 3D hit measurements and verifies the presence of a track using the other layers of the tracker. Partiuclar attention has been played to making the algorithm sufficiently flexible to allow the study of design alternatives for SiD.

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