

Abstract Submitted
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Silicon Drift Chambers

C. LU, and K.T. McDONALD, *Princeton University*, P. REHAK, *Brookhaven National Laboratory* — We have characterized a new set of silicon drift chambers as to their spatial resolution, two-track resolution, and response to tracks of various angles of incidence. The influence of an external magnetic field has also been considered. A project is underway to study the use of double-layer detectors that can associate hits with a specified beam crossing in a high-rate environment. When implemented with anodes ~ 1 -cm long, such devices would be suitable for a tracking system at the SSC.

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