

Simulation Studies of VXD Performance

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A procedure of digitization of hits produced in the silicon tracking subdetectors of the LC detector has been developed. The procedure has been employed to evaluate point resolution of the vertex detector. In addition stand-alone pattern recognition algorithm has been developed to search for tracks in the vertex detector. Performance of the algorithm has been evaluated in the presence of beam induced backgrounds.

Presenters: , Alexei Raspereza (DESY, Hamburg); , Alexei Raspereza (DESY)

Session Classification: Tracking and Vertexing

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