

DESY Seminar

Tuesday, 20.11.2007, 17h

DESY Hörsaal

The Vertex Locator (VELO) of the LHCb experiment

Doris Eckstein
(Universität Hamburg)

The LHCb experiment at the LHC is dedicated to the study of CP violation in B-hadron decays. Its silicon vertex detector VELO will precisely reconstruct the primary pp interaction vertex, the displaced B-decay vertex as well as the tracks originating from them. In the talk the design of the VELO is discussed as a consequence of the demands on the precision and robustness of the vertexing, tracking and triggering in a harsh radiation environment. The current status and expected performance will be presented.

- **Tea and cookies will be served at 16.45h in the lobby**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**