

Tracker Alignment Procedures

Precise knowledge of the position and orientation of the HPS silicon vertex detector planes is crucial for obtaining the needed precision momentum and vertex position measurements. In order to obtain the precision needed, we will use tracks from both beam electrons and from trident events. Even before we take data, we need to have procedures of determining the alignment of the sensors in place. This task will involve using the HPS simulation and tracking software to determine which alignment parameters are most important to the measurements we need to make.

Go to [this page](#) for details on the procedure and SVT geometry.