

Improvements of the bunch purity measurement at PETRA III

Wednesday 7 July 2021 14:25 (20 minutes)

In this presentation the actual work on the bunch purity measurement at PETRA III will be reported. The system is based on small area XAPDs used as detector in a time correlated single photon counting measurement scheme. At first improvements of the analog electronics of the detector head will be shown. An introduction to the test setup and placement at the PETRA III storage ring and the specific characteristics will be given, too. At least we will have a look on the actual results and ideas for future improvements.

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Track Classification: Others