## Speed Poster: Integrated Spectrometer for Electron Bunch Shape Online-Diagnosis

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We present the latest measurement results of our 300 GHz detector chip manufactured in a modern low-cost semiconductor technology.

The detector works without any cooling and was capable of tracking the picosecond-pulses of the TELBE THz source at HZDR with a high dynamic range.

Primary author: SCHISELSKI, Mario (TU Dresden)Presenter: SCHISELSKI, Mario (TU Dresden)Session Classification: Session 3 | Beam Diagnostics

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