

Speed Poster: Longitudinal bunch profile diagnostics using broadband coherent radiation at FLASH

Thursday 16 July 2015 11:42 (3 minutes)

The required high peak current in free-electron lasers is realized by longitudinal compression of the electron bunches to sub-picosecond length. Measurement of the absolute spectral intensity of coherent radiation emitted by an electron bunch allows monitoring and reconstruction of the longitudinal bunch profile. In this poster we present the current status and development of the coherent radiation diagnostics at the Free-electron laser in Hamburg.

Primary authors: Mr HASS, Eugen (DESY Hamburg); Mr WUNDERLICH, Steffen (DESY Hamburg)

Co-authors: Mr SCHMIDT, Bernhard (DESY Hamburg); Mr TOKE, Kövener (DESY Hamburg)

Presenter: Mr HASS, Eugen (DESY Hamburg)

Session Classification: Session 3 | Beam Diagnostics

Track Classification: Session 3 | Beam Diagnostics