

Speed Poster: Broadband (UV - mid-IR) spectrometer for single-shot femtosecond electron bunch measurement

Thursday 16 July 2015 11:48 (3 minutes)

We present design, implementation and calibration of an ultra-broadband, single-shot spectrometer in the range of 200nm to 12 μ m for measuring coherent transition radiation of ultrashort electron pulses from laser-wakefield accelerators on femtosecond and sub-femtosecond time scales

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Session Classification: Session 3 | Beam Diagnostics

Track Classification: Session 3 | Beam Diagnostics