The Beams and Applications Seminar Series

Femtosecond Undulator Radiation from Sliced Electron Bunches

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DESY

Bldg. 401, B2100
Friday, September 15, 1:30 pm
(please note location)

Host: M. Borland, ASD

Abstract: At the 1.7-GeV synchrotron light source BESSY II in Berlin, a first undulator-based "femtoslicing" source was constructed and is now in routine operation. It produces radiation pulses of 100 fs duration, tunabe energy (400-1400 eV), linear and circular polarization and excellent signal-to-background ratio. The underlying principles, technical layout and characteristics of this novel source will be discussed.

For more information visit
http://www.aps.anl.gov/News/Meetings/Beams_and_Applications_Seminars/index.html

Visitors from off-site please contact Jude Kitching (kitching@aps.anl.gov, 630-252-6159) to arrange for a gate pass.

This ANL seminar series is an activity of the Argonne Accelerator Institute and focuses on the physics, technology and applications of particle and photon beams. It is sponsored jointly by the ASD Division, the AWA group of the HEP Division, and the ATLAS group of the PHY Division.