

# Femtosecond Undulator Radiation from Sliced Electron Bunches

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DESY

Bldg. 401, rm B4100  
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, tunable 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/asd/physics/seminar.html>

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

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