

The Beams and Applications Seminar Series

Single-shot characterization of subpicosecond electron bunches at the SLAC SPPS experiment

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Friday, July 29, 1:30 pm

Host: E. Landahl / Y. Li, APS

Spatially resolved electro-optic sampling (EOS) was used to determine the temporal profile of femtosecond electron bunches at the SLAC Subpicosecond Pulse Source (SPPS), a precursor to the Linac Coherent Light Source (LCLS). Recently, EOS was used to synchronize the x-ray pulses produced at the SPPS to an external laser system for pump-probe ultrafast diffraction experiments. The latest EOS results will be presented along with discussion of the limitations of this measurement.

For more information visit

<http://www.aps.anl.gov/asd/physics/seminar.html>

Visitors from off-site please contact Chun-xi Wang (wangcx@aps.anl.gov, 630-252-4968) to arrange for a gate pass.

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