

The Beams and Applications Seminar Series

The Drive Laser for the LCLS RF Photoinjector: Issues and Developments

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Stanford Linear Accelerator Center

Bldg. 401, room B2100

Friday, February 18, 11:00 am

(**Special time**)

Host: Y. Li, ASD

A major component of the drive laser system for the LCLS RF photoinjector is the uv generation subsystem and its integration with required temporal and spatial shaping of the uv pulse. I will present an outline of the drive laser architecture highlighting critical areas for development. Also, results from investigations of transverse profile flattening, launch optics near the photocathode and other uv pulse requirements will be presented.

For more information visit

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

Visitors from off-site please contact Yuelin Li
(ylli@aps.anl.gov, 630-252-7863) to arrange for a gate pass.

This ANL seminar series is a CARA activity 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.