

The Beams and Applications Seminar Series

Challenges in High-Brightness Electron Beam R&D

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Bldg. 401, Room E1100

Monday, June 30, 1:30 PM

(Note Special Day and Room!!)

Host: Wei Gai

High-brightness electron beams play a critical role in future light sources and e-e⁺ linear collider. Photocathode RF gun based injection system is the leading technology for high-brightness generation. After a brief review of the applications of the photocathode RF gun injection system, I will discuss several critical issues in photoinjector R&D, such as stability and reliability, photoemission and thermal emittance, beam optimization and possible future improvements.

For more information visit

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

Visitors from off-site please contact John Power
(jp@anl.gov, 630-252-3191) 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.