

Beams and Applications Seminar Series

This ANL seminar series 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

Bldg. 401, room A1100

Wednesday, January 23

(note special day and room)

1:30 PM

Tor Raubenheimer

SLAC

The Next Linear Collider Design

Host: Z. Huang

The Next Linear Collider (NLC) is a next-generation linear collider designed to deliver a luminosity in excess of $10^{34} \text{ cm}^{-2} \text{ s}^{-1}$ at center-of-mass energies between 90 GeV and 1 TeV. The Next Linear Collider is being designed by a US collaboration (FNAL, LBNL, LLNL, and SLAC) which is working closely with the Japanese collaboration that is designing the Japanese Linear Collider (JLC). The NLC main linacs are based on normal conducting 11 GHz rf. Results from the ongoing R&D programs, including the high gradient limitations, will be discussed along with changes to the optical design and collider layout which were made to enhance the collider capabilities.

For more information visit

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

Visitors from off-site please contact the Accelerator Systems Division office (konopa@aps.anl.gov, 630-252-3115) to arrange for a gate pass.