# 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 B2100
## Friday, March 1
## 1:30 PM


## Frank Zimmermann
## CERN


*CLIC - A 3-TeV Linear Collider*

Host: K. Harkay


The CLIC study aims at the design and construction of a multi-TeV high-luminosity e+e- linear collider. The beams in CLIC are accelerated using high-frequency (30 GHz) normalconducting rf structures, in order to achieve a large gradient and to reduce the overall length. The power production and distribution is based on the cost-effective two-beam acceleration concept. After a general review of the CLIC project, I describe some recent developments for the CLIC beam delivery system, which, at 3 TeV, faces new challenges, and for the CLIC damping rings, which have to provide beams of unprecedentedly small emittances.


## For more information visit

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

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