

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. 203, Room R-150

(note special location)

Friday, May 18

1:30 PM

Eric Baron

GANIL, Caen, France

*The GANIL/SPIRAL Facility and Future
Projects*

Host: Jerry Nolen

The GANIL cyclotron complex has been used for acceleration of stable ions (from carbon to uranium) since 1983. With a device called SISSI, it also produces exotic beams through fragmentation of the projectile. We are ready now to use GANIL as a driver to generate exotic beams with the SPIRAL complex. A brief description of the existing GANIL facility will be given, with an emphasis on the efforts devoted to gain higher intensities of stable ion beams. A more detailed picture of the SPIRAL complex, consisting of a target-ion source ensemble and CIME, the new cyclotron used both as a post-accelerator and a mass separator, will be given. Studies on options for an additional driver (electrons or deuterons) for the short-range future (ca 2005) are underway and the present status will be exposed. Finally, the GANIL involvement in EURISOL will be evoked through the post-accelerator aspects.

For more information visit

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

Visitors from off-site please contact Debbie Briddick
(briddick@aps.anl.gov, 630-252-6620)
to arrange for a gate pass.