

Workshop on "Decay Spectroscopy at CARIBU: Advanced Fuel Cycle Applications, Nuclear Structure and Astrophysics"

April 14-16, 2011, Argonne National Laboratory

First Announcement

This is the first announcement of the workshop "Decay Spectroscopy at CARIBU: advanced fuel cycle applications, nuclear structure and astrophysics" to be held on April 14-16, 2011 at the Physics Division Auditorium (Building 203), Argonne National Laboratory. Please mark these dates on your calendars.

The aim of the workshop is to discuss opportunities for decay studies at the Californium Rare Isotope Breeder Upgrade (CARIBU) of the ATLAS facility with emphasis on advanced fuel cycle (AFC) applications, nuclear structure and astrophysics research. The workshop will begin on Thursday, April 14, 2011 and end by noon on Saturday, April 16, 2011. The meeting will consist of review and contributed talks. Presentations by members of the local groups, outlining the status of relevant in-house projects and available equipment, will be also organized. Time will also be set aside to discuss and develop working collaborations for future decay studies at CARIBU. Topics of interest include:

- Decay data of relevance to AFC applications with emphasis on reactor decay heat
- Discrete high-resolution gamma-ray spectroscopy following radioactive decay and related topics
- Calorimetric studies of neutron-rich fission fragments using Total Absorption Gamma-ray Spectrometry (TAGS) technique
- Beta-delayed neutron emissions and related topics
- Decay data needs for nuclear astrophysics

Please visit the Workshop web site at <http://www.ne.anl.gov/capabilities/nd/AFC-Apr11/> for additional information about the registration, program, lodging and transportation to Argonne National Laboratory. Please notify the organizers if you would like to make a presentation about specific physics interests and needs, or ongoing research activities, in the above areas.

Best regards,

Kim Lister and Filip Kondev

(for the organizing committee: Mike Carpenter, Partha Chowdhury, Jason Clark, FGK, CJL and Dariusz Seweryniak)