

EX_{ogam}@ILL

Grenoble

1 - 2 December 2011



EXILL 2011 Workshop - first announcement
"Neutron-induced gamma-ray spectroscopy at the ILL"
1-2 December, 2011, ILL Grenoble, France

Dear Colleagues

We invite you to participate in a workshop dedicated to measurements of prompt γ rays created following cold-neutron induced fission and (n, γ) reactions at the ILL. These γ rays will be measured using EXOGAM 10 detectors (on loan from GANIL) placed in close geometry around a target in a cold neutron beam. Fascinating studies such as excited states of neutron-rich fission fragments close to ^{132}Sn and north-east of ^{78}Ni or (n, γ) studies of odd-odd nuclei become possible, amongst others. Insights into the fission mechanism and fission-yield measurements are also expected to be obtained. Fissile actinide targets, such as ^{233}U , ^{235}U , ^{239}Pu or ^{241}Pu will be used, as well as suitable (n, γ) targets. The EXOGAM array can be augmented by other detectors and devices, such as the STEFF fission-fragment spectrometer (from Manchester), LEPS detectors and LaBr_3 scintillators. The ILL has guaranteed 100 days of beam time at the PF1B position for this campaign from October 2012 on.

The workshop is open to anybody interested in participating to such measurements and the goals are 1) discuss the measurements which can be done during the EXOGAM and future (n, γ) campaigns, 2) identify people willing to collaborate and to finalize proposals which will be submitted to the ILL PAC before February 15, 2012.

If you plan to participate to the workshop, please send an email before October 31 to urban@ill.fr

With our best regards,

Michael Jentschel, Ulli Köster and Waldemar Urban,
Gilles de France,
Gary Simpson,

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