



DoNuTS Technical Meeting

Time: 1600 Wednesday, 11 March 2009

Place: NE Conference Room, 1106 Etcheverry

Speaker: Edith Bourret-Courchesne, Lawrence Berkeley Laboratory

Subject: Recent crystal growth activities
at Lawrence Berkeley National Laboratory

The lack of crystal growth facilities for research purposes in the US has been well documented in the last two years. In this context, Lawrence Berkeley National Laboratory has received research grants to install equipment for new crystal growth capabilities. The grants cover research on a variety of materials, superconductors, semiconductor detectors and scintillators, all needed as single crystals. The crystal growth effort is linked to two major research efforts aimed at the initial screening of materials for nuclear detection. Therefore the new crystal growth facility is designed for growth of small test crystals and is built to be as flexible as possible to serve the various research needs of the research projects. A brief tutorial on crystal growth techniques will be presented as well as the crystal growth facility and results from the first crystals grown.