

## Section 3

# NATIONAL LASER USERS FACILITY NEWS

The proposals for FY92 NLUF projects were to be submitted to the DOE San Francisco office by 27 March 1991. The steering committee will meet during the first two weeks of May to review the technical merit of all proposals and will submit recommendations to DOE by 15 May 1991. DOE will reach its decision by 15 June 1991 and inform all principal investigators of the funding decisions. DOE funding for the accepted FY92 NLUF proposals is expected to be equal to that of FY91.

The University of Illinois conducted a series of AFOSR-funded experiments on the GDL laser system during the second quarter of FY91. These experiments were led by **G. Banas** and were done in collaboration with **H. E. Elsayed-Ali** of LLE's Ultrafast Sciences Group. The experiments were designed to study the material properties of metal weldments after they had been irradiated with a high-power laser beam. The irradiation was done with the GDL laser and the samples were taken back to the University of Illinois for characterization.

**J. Moreno** from **H. Griem's** group at the University of Maryland took some time-dependent XUV spectral data on LLE implosion targets. These shots were part of an experiment that will study the spectral emission from both the radiation heat front as well as the imploded core. These were the first of the targets slated for FY91 and served as a check of the diagnostic.