

15th Target Fabrication Specialists Meeting June 2003

A review of development activities for the AWE Experimental Laser Programme

Abstract

Increasingly stringent target specifications for recent experimental campaigns and the anticipation of increased complexity for targets for the experimental programmes to be fielded on Z, ORION and NIF are driving a reorganisation of the AWE target fabrication activities. Most recent demands have been in surface characterisation and some examples will be discussed but a number of problems areas in materials processing are also expected and a review of current activities, such as polymer forming and micro-plating, is included. Some early plans for Orion experiments, which include a significant development phase, will also be discussed.