

## About the Cover:

Lance Lund, LLE research engineer (left), Robert Costa, LLNL technologist (center), and Greg Pien, LLE senior lab engineer (lower right), install the DANTE diagnostic into the OMEGA target chamber. This instrument, a 12-channel, soft x-ray diode array with multigigahertz bandwidth, was used to measure hohlraum temperatures during a proof-of-principle series of indirect-drive experiments. These experiments, carried out in collaboration with LANL and LLNL, demonstrated the feasibility of using OMEGA to study indirect drive.

This report was prepared as an account of work conducted by the Laboratory for Laser Energetics and sponsored by New York State Energy Research and Development Authority, the University of Rochester, the U.S. Department of Energy, and other agencies. Neither the above named sponsors, nor any of their employees, makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, mark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or any other sponsor. Results reported in the LLE Review should not be taken as necessarily final results as they represent active research. The views and opinions of authors expressed herein do not necessarily state or reflect those of any of the above sponsoring entities.

The work described in this volume includes current research at the Laboratory for Laser Energetics, which is supported by New York State Energy Research and Development Authority, the University of Rochester, the U.S. Department of Energy Office of Inertial Confinement Fusion under Cooperative Agreement No. DE-FC03-92SF19460, and other agencies.

Printed in the United States of America  
Available from  
National Technical Information Services  
U.S. Department of Commerce  
5285 Port Royal Road  
Springfield, VA 22161

Price codes: Printed Copy A04  
Microfiche A01

For questions or comments, contact Mark D. Skeldon, *Editor*, Laboratory for Laser Energetics, 250 East River Road, Rochester, NY 14623-1299, (716) 275-4781.