

Fusion technology

CONTENTS / DECEMBER 1995—VOL. 28, NO. 5

INERTIAL CONFINEMENT FUSION TARGETS

- 1769 Comments / *George Miley*
1771 Guest Editor's Comments / *Larry R. Foreman*

TECHNICAL PAPERS

- 1773 Prediction of Phase Separation During the Drying of Polymer Shells / *G. Wilemski, T. Boone, L. Cheung, D. Nelson, R. Cook*
- 1781 Production of Hollow Microspheres from Solid Plastic Granules / *Alexander A. Akunets, Valerie M. Dorogotvtsev, Yuriy A. Merkuliev, Sergey A. Startsev, Robert Cook*
- 1787 The Particle Injector for the "Ballistic Furnace" / *S. M. Tolokonnikov, V. S. Bushuev, A. I. Nikitenko*
- 1790 A Novel Gas-Dynamic Levitation Scheme for Noncontact Coating of Spherical ICF Targets / *Kyekyoon (Kevin) Kim, Qichen Feng*
- 1797 Fabrication of Polymer Shells Using a Depolymerizable Mandrel / *Stephan A. Letts, Evelyn M. Fearon, Steven R. Buckley, Michael D. Saculla, Leslie M. Allison, Robert Cook*
- 1803 Resorcinol/Formaldehyde Foam Shell Targets for ICF / *George E. Overturf III, Robert Cook, Stephan A. Letts, Steven R. Buckley, Michael R. McClellan, Diana Schroen-Carey*
- 1809 Light Scattering Limitations to Interferometric Characterization of Foam Shells / *R. B. Stephens*
- 1815 Gas-Filled Hohlräum Fabrication / *M. A. Salazar, P. L. Gobby, L. R. Foreman, H. Bush, Jr., V. M. Gomez, J. E. Moore, G. F. Stone*
- 1820 Fabrication and Testing of Gas Filled Targets for Large Scale Plasma Experiments on Nova / *Gary F. Stone, Craig J. Rivers, Marita R. Spragge, Russell J. Wallace*
- 1829 Machining Sub-Millimeter Beryllium and Aluminum Components of Laser Targets / *Leander J. Salzer, Veronica M. Gomez, Joyce Moore, Jacob J. Bartos, Peter Gobby, Larry Foreman*
- 1833 Miniature Targets for Hydrodynamic Instability Experiments on Nova / *H. Louis, A. Demiris, K. S. Budil, P. L. Miller, T. A. Peyser, P. E. Stry, D. A. Wojtowicz, P. E. Dimotakis*
- 1838 ICF Target Technology at the Russian Federal Nuclear Center / *A. V. Veselov, V. S. Drozhin, A. A. Druzhinin, V. M. Izgorodin, B. N. Iiyushechkin, G. A. Kirillov, G. V. Komleva, A. M. Korochkin, E. F. Medvedev, G. P. Nikolaev, I. V. Pikulin, A. V. Pinegin, V. T. Punin, V. N. Romaev, V. L. Sumatokhin, N. N. Tarasova, G. V. Tachaev, I. N. Cherkesova*

(Continued)

CONTENTS / DECEMBER 1995–VOL. 28, NO. 5

(Continued)

- 1844** Low Density Doped Foams for ICF Long Scale Length Plasma Experiments / *Michael A. Mitchell, Peter Gobby, Norm Elliott*
- 1849** Preparation of a Low Density Polymer Foam with Dopants / *Ileese Glatter Schneir, Barry McQuillan*
- 1854** Feasibility of Organo-Beryllium Target Mandrels Using Organo-Germanium PECVD as a Surrogate / *Raymond Brusasco, Thomas Dittrich, Robert Cook*
- 1859** Heat Transfer Properties of Polymer Target Shells at Temperatures Between 250K and 350K / *A. Honig, Q. Fan, C.-K. Hsu, X. Wei*

DEPARTMENTS

- 1865** Technical Reviewers
- 1868** Volume 28 Indexes
- v** Volume 28 Contents