
Publications and Conference Presentations

Publications

- B. Ciftcioglu, J. Zhang, R. Sobolewski, and H. Wu, "An 850-nm Normal-Incidence Germanium Metal–Semiconductor–Metal Photodetector With 13-GHz Bandwidth and 8- μ A Dark Current," *IEEE Photon. Technol. Lett.* **22**, 1850 (2010).
- A. S. Cross, J. P. Knauer, A. Mycielski, D. Kochanowska, M. Wiktowska-Baran, R. Jakiela, J. Domagała, Y. Cui, R. B. James, and R. Sobolewski, "(Cd,Mn)Te Detectors for Characterization of X-Ray Emissions Generated During Laser-Driven Fusion Experiments," *Nucl. Instrum. Methods Phys. Res. A* **624**, 649 (2010).
- V. Yu. Glebov, T. C. Sangster, C. Stoeckl, J. P. Knauer, W. Theobald, K. L. Marshall, M. J. Shoup III, T. Buczek, M. Cruz, T. Duffy, M. Romanofsky, M. Fox, A. Pruyne, M. J. Moran, R. A. Lerche, J. McNaney, J. D. Kilkenny, M. J. Eckart, D. Schneider, D. Munro, W. Stoeffl, R. A. Zacharias, J. J. Haslam, T. Clancy, M. Yeoman, D. Warwas, C. J. Horsfield, J.-L. Bourgade, O. Landoas, L. Disdier, G. A. Chandler, and R. J. Leeper, "The National Ignition Facility Neutron Time-of-Flight System and Its Initial Performance," *Rev. Sci. Instrum.* **81**, 10D325 (2010) (invited).
- S. X. Hu, V. N. Goncharov, P. B. Radha, J. A. Marozas, S. Skupsky, T. R. Boehly, T. C. Sangster, D. D. Meyerhofer, and R. L. McCrory, "Two-Dimensional Simulations of the Neutron-Yield in Cryogenic Deuterium-Tritium Implosions on OMEGA," *Phys. Plasmas* **17**, 102706 (2010).
- I. V. Igumenshchev, D. H. Edgell, V. N. Goncharov, J. A. Delettrez, A. V. Maximov, J. F. Myatt, W. Seka, A. Shvydky, S. Skupsky, and C. Stoeckl, "Crossed-Beam Energy Transfer in Implosion Experiments on OMEGA," *Phys. Plasmas* **17**, 122708 (2010).
- V. Kaushal, I. Iñiguez-de-la-Torre, H. Irie, G. Guarino, W. R. Donaldson, P. Ampadu, R. Sobolewski, and M. Margala, "A Study of Geometry Effects on the Performance of Ballistic Deflection Transistors," *IEEE Trans. Nanotech.* **9**, 723 (2010).
- F. J. Marshall, T. DeHaas, and V. Yu. Glebov, "Charge-Injection-Device Performance in the High-Energy-Neutron Environment of Laser-Fusion Experiments," *Rev. Sci. Instrum.* **81**, 10E503 (2010).
- P. M. Nilson, A. A. Solodov, J. F. Myatt, W. Theobald, P. A. Jaanimagi, L. Gao, C. Stoeckl, R. S. Craxton, J. A. Delettrez, B. Yaakobi, J. D. Zuegel, B. E. Kruschwitz, C. Dorrer, J. H. Kelly, K. U. Akli, P. K. Patel, A. J. Mackinnon, R. Betti, T. C. Sangster, and D. D. Meyerhofer, "Scaling Hot-Electron Generation to High-Power, Kilojoule-Class Laser-Solid Interactions," *Phys. Rev. Lett.* **105**, 235001 (2010).
- S. Papernov, A. Tait, W. Bittle, A. W. Schmid, J. B. Oliver, and P. Kupinski, "Submicrometer-Resolution Mapping of Ultraweak 355-nm Absorption in HfO₂ Monolayers Using Photothermal Heterodyne Imaging," in *Laser-Induced Damage in Optical Materials: 2010*, edited by G. J. Exarhos, V. E. Gruzdev, J. A. Menapace, D. Ristau, and M. J. Soileau (SPIE, Bellingham, WA, 2010), Vol. 7842, Paper 78420A.
- J. S. Ross, S. H. Glenzer, J. P. Palastro, B. B. Pollock, D. Price, G. R. Tynan, and D. H. Froula, "Thomson-Scattering Measurements in the Collective and Noncollective Regimes in Laser Produced Plasmas," *Rev. Sci. Instrum.* **81**, 10D523 (2010) (invited).
- C. Stoeckl, M. Cruz, V. Yu. Glebov, J. P. Knauer, R. Lauck, K. Marshall, C. Mileham, T. C. Sangster, and W. Theobald, "A Gated Liquid-Scintillator-Based Neutron Detector for Fast-Ignitor Experiments and Down-Scattered Neutron Measurements," *Rev. Sci. Instrum.* **81**, 10D302 (2010).
- W. Theobald, V. Ovchinnikov, S. Ivancic, B. Eichman, P. M. Nilson, J. A. Delettrez, R. Yan, G. Li, F. J. Marshall, D. D. Meyerhofer, J. F. Myatt, C. Ren, T. C. Sangster, C. Stoeckl, J. D. Zuegel, L. Van Woerkom, R. R. Freeman, K. U. Akli, E. Giraldez, and R. B. Stephens, "High-Intensity Laser-Plasma Interaction with Wedge-Shaped-Cavity Targets," *Phys. Plasmas* **17**, 103101 (2010).

Forthcoming Publications

W. R. Donaldson, D. N. Maywar, J. H. Kelly, and R. E. Bahr, "Measurement of the Self-Phase-Modulation-Induced Bandwidth in a 30-kJ-Class Laser Amplifier Chain," to be published in the *Journal of the Optical Society of America B*.

D. H. Froula, S. H. Glenzer, N. C. Luhmann, and J. Sheffield, "Plasma Scattering of Electromagnetic Radiation: Theory and Measurement Techniques," to be published by Elsevier.

J. B. Oliver, P. Kupinski, A. L. Rigatti, A. W. Schmid, J. C. Lambropoulos, S. Papernov, A. Kozlov, J. Spaulding, D. Sadowski, Z. R. Chrzan, R. D. Hand, D. R. Gibson, I. Brinkley, and F. Placido, "Large-Aperture Plasma-Assisted Deposition of Inertial Confinement Fusion Laser Coatings," to be published in *Applied Optics*.

P. B. Radha, R. Betti, T. R. Boehly, J. A. Delettrez, V. N. Goncharov, I. V. Igumenshchev, J. P. Knauer, J. A. Marozas,

F. J. Marshall, R. L. McCrory, D. D. Meyerhofer, S. P. Regan, T. C. Sangster, W. Seka, S. Skupsky, A. A. Solodov, C. Stoeckl, W. Theobald, J. A. Frenje, D. T. Casey, C. K. Li, and R. D. Petrasso, "Inertial Confinement Fusion Using the OMEGA Laser System," to be published in *IEEE Transactions on Plasma Science*.

P. B. Radha, C. Stoeckl, V. N. Goncharov, J. A. Delettrez, J. A. Frenje, I. V. Igumenshchev, J. P. Knauer, J. A. Marozas, R. L. McCrory, D. D. Meyerhofer, R. D. Petrasso, S. P. Regan, T. C. Sangster, W. Seka, and S. Skupsky, "Triple-Picket Warm Plastic-Shell Implosions on OMEGA," to be published in *Physics of Plasmas*.

W. Wang, T. B. Jones, and D. R. Harding, "On-Chip Double Emulsion Droplet Assembly Using Electrowetting-on-Dielectric and Dielectrophoresis," to be published in *Fusion Science and Technology*.

Conference Presentations

S. P. Regan, R. Epstein, T. C. Sangster, D. D. Meyerhofer, B. A. Hammel, H. A. Scott, D. K. Bradley, D. Callahan, M. J. Edwards, M. J. Eckart, S. H. Glenzer, J. D. Kilkenny, O. L. Landen, N. B. Meezan, R. Prasad, V. A. Smalyuk, L. J. Suter, and R. C. Mancini, "Hydrodynamic Mix Experiments for NIF Implosions Based on Spectroscopic Observations of K-Shell Emission," 14th International Workshop on Radiative Properties of Hot Dense Matter, Marbella, Spain, 4–8 October 2010.

W. Theobald, A. A. Solodov, C. Stoeckl, K. S. Anderson, R. Betti, T. R. Boehly, R. S. Craxton, J. A. Delettrez, J. A. Frenje, V. Yu. Glebov, H. Habara, F. J. Marshall, K. A. Tanaka, K. L. Marshall, D. D. Meyerhofer, P. M. Nilson, P. K. Patel, H. Chen, T. C. Sangster, W. Seka, N. Sinenian, F. Beg, and R. B. Stephens, "Fast-Ignition Integrated Experiments on OMEGA," 11th International Workshop on Fast Ignition of Fusion Targets, Shanghai, China, 17–21 October 2010.

D. D. Meyerhofer, R. L. McCrory, R. Betti, T. R. Boehly, D. T. Casey, T. J. B. Collins, R. S. Craxton, J. A. Delettrez, D. H. Edgell, R. Epstein, K. A. Fletcher, J. A. Frenje, V. Yu. Glebov, V. N. Goncharov, D. R. Harding, S. X. Hu, I. V. Igumenshchev, J. P. Knauer, C. K. Li, J. A. Marozas, F. J. Marshall, P. W. McKenty, P. M. Nilson, S. P. Padalino, R. D. Petrasso, P. B. Radha, S. P. Regan, T. C. Sangster, F. H. Séguin, W. Seka, R. W. Short, D. Shvarts, S. Skupsky, J. M. Soures, C. Stoeckl, W. Theobald, and B. Yaakobi, "High-Performance Inertial Confinement Fusion Target Implosions on OMEGA," 23rd IAEA Fusion Energy Conference, Daejeon, Korea, 11–16 October 2010.

J. H. Kelly and T. Z. Kosc, "Modeling the OMEGA Laser System at the University of Rochester Using Miró," 5th Miró User Meeting, Haut Carré, Talence, France, 18–19 October 2010.

W. Theobald, A. A. Solodov, C. Stoeckl, K. S. Anderson, R. Betti, T. R. Boehly, R. S. Craxton, J. A. Delettrez, J. A. Frenje, V. Yu. Glebov, H. Habara, K. A. Tanaka, F. J. Marshall, K. L. Marshall, D. D. Meyerhofer, P. M. Nilson, P. K. Patel, H. Chen, T. C. Sangster, W. Seka, N. Sinenian, F. Beg, and

R. B. Stephens, "Fast-Ignition Research at LLE," Japan–U.S. Ignitor and High Energy Density Physics Workshop, Osaka, Japan, 23–24 October 2010.

The following presentations were made at Frontiers in Optics, Rochester, NY, 24–28 October 2010:

L. Ji, W. R. Donaldson, and T. Y. Hsiang, "The Stability of the Active Mode-Locked Erbium-Doped Fiber Laser and Its Application in a Novel Electro-Optic Sampling System."

T. J. Kessler, H. Huang, J. B. Oliver, A. L. Rigatti, S. D. Jacobs, A. W. Schmid, and A. Kozlov, "Grating Development for High-Peak-Power CPA Laser Systems."

J. P. Leidner and J. R. Marciante, "Non-Adiabatically Tapered Multimode Interference Coupler for High-Power Single-Mode Semiconductor Lasers."

D. D. Meyerhofer, V. N. Goncharov, R. Betti, T. R. Boehly, T. J. B. Collins, R. S. Craxton, J. A. Delettretz, D. H. Edgell, R. Epstein, V. Yu. Glebov, D. R. Harding, S. X. Hu, I. V. Igumenshchev, J. P. Knauer, S. J. Loucks, J. A. Marozas, F. J. Marshall, R. L. McCrory, P. W. McKenty, P. M. Nilson, P. B. Radha, S. P. Regan, T. C. Sangster, W. Seka, R. W. Short, D. Shvarts, S. Skupsky, V. A. Smalyuk, J. M. Soures, C. Stoeckl, W. Theobald, B. Yaakobi, J. A. Frenje, D. T. Casey, C. K. Li, R. D. Petrasso, F. H. Séguin, S. P. Padalino, and K. A. Fletcher, "Inertial Confinement Fusion Research at the Laboratory for Laser Energetics."

J. Qiao, A. Kalb, T. Nguyen, D. Canning, and J. Price, "Development and Operation of Large-Aperture Tiled-Grating Compressors for High-Energy, Petawatt-Class Laser Systems."

J. E. Schoenly, W. Seka, and P. Rechmann, "Selective Near-UV Laser Ablation of Subgingival Dental Calculus at a 20° Irradiation Angle."

The following presentations were made at the 9th International Conference on Tritium Science and Technology, Nara, Japan, 24–29 October 2010:

J. E. Fair and W. T. Shmayda, "A Model for Removal of Surface-Bound Tritium Using Humid Air."

W. T. Shmayda and J. E. Fair, "Tritium Outgassing from Contaminated Metal Surfaces."

W. T. Shmayda, D. R. Harding, S. J. Brereton, and F. Javier, "Tritium Inertial Fusion: Extrapolation to Ignition Machines."

The following presentations were made at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010:

K. S. Anderson, R. Betti, R. S. Craxton, R. Nora, and L. J. Perkins, "A Plastic-Ablator Cryogenic Shock-Ignition Design for the NIF."

M. A. Barrios, D. E. Fratanduono, T. R. Boehly, D. D. Meyerhofer, D. G. Hicks, P. M. Celliers, and J. H. Eggert, "Precision Measurements of the Equation of State (EOS) of GDP Ablator Materials at ~1 to 10 Mbar Using Laser-Driven Shock Waves."

T. R. Boehly, M. A. Barrios, D. E. Fratanduono, V. N. Goncharov, S. X. Hu, T. J. B. Collins, J. A. Marozas, T. C. Sangster, D. D. Meyerhofer, P. M. Celliers, H. F. Robey, D. G. Hicks, J. H. Eggert, G. W. Collins, and R. Smith, "Shock-Timing Measurements in ICF Targets Filled with Cryogenic Deuterium."

D. T. Casey, J. A. Frenje, F. H. Séguin, M. Manuel, N. Sinenian, R. D. Petrasso, V. Yu. Glebov, P. B. Radha, T. C. Sangster, D. D. Meyerhofer, D. McNabb, A. Miles, P. Navratil, and S. Quaglioni, "Measurements of Down-Scattered and TT-Neutron Spectra Using the Magnetic Recoil Spectrometer (MRS) on OMEGA."

P. Y. Chang, G. Fiksel, M. Hohenberger, J. P. Knauer, R. Nora, R. Betti, F. H. Séguin, C. K. Li, M.-J. E. Manuel, and R. D. Petrasso, "Magnetized Spherical Implosions on the OMEGA Laser."

T. J. B. Collins, J. A. Marozas, S. Skupsky, P. W. McKenty, V. N. Goncharov, P. B. Radha, A. Shvydky, and M. M. Marinak, "Preparing for Polar Drive at the National Ignition Facility."

R. S. Craxton, L. Tucker, T. Mo, K. S. Anderson, R. Betti, L. J. Perkins, G. P. Schurtz, X. Ribeyre, and A. Casner, "A 96/96-Beam Polar-Drive Configuration for Shock Ignition on the NIF."

J. A. Delettrez, S. X. Hu, and A. Shvydky, "Numerical Investigation of the Effect of Two-Plasmon-Decay Preheat in Planar Rayleigh–Taylor Experiments."

D. H. Edgell, J. Magoon, T. C. Sangster, M. J. Shoup III, F. J. Marshall, C. Stoeckl, A. G. MacPhee, S. Burns, J. Celeste, M. J. Eckart, J. D. Kilkenny, J. Kimbrough, J. Parker, and T. Thomas, "South-Pole Bang-Time X-Ray Diagnostic for the NIF."

R. Epstein, S. P. Regan, F. J. Marshall, J. A. Delettrez, V. N. Goncharov, S. X. Hu, P. W. McKenty, G. Liu, D. D. Meyerhofer, P. B. Radha, T. C. Sangster, C. Stoeckl, W. Theobald, R. Tommasini, N. Landen, and A. J. MacKinnon, "Hard X-Ray Compton Radiography of Cryogenic Implosions on OMEGA."

G. Fiksel, R. Jungquist, C. Mileham, P. M. Nilson, W. Theobald, and C. Stoeckl, "Development of a Spherical Crystal X-Ray-Imaging Diagnostic for OMEGA and OMEGA EP."

D. E. Fratanduono, M. A. Barrios, T. R. Boehly, D. D. Meyerhofer, J. H. Eggert, R. Smith, D. G. Hicks, P. M. Celliers, and G. W. Collins, "The Refractive Index and Transparency of Lithium Fluoride Compressed to 800 GPa."

J. A. Frenje, D. T. Casey, C. K. Li, F. H. Séguin, R. D. Petrasso, R. Bionta, C. Cerjan, M. Eckart, S. W. Haan, S. P. Hatchett, H. Kather, J. D. Kilkenny, O. L. Landen, A. J. MacKinnon, M. J. Moran, J. R. Rygg, V. Yu. Glebov, T. C. Sangster, D. D. Meyerhofer, K. Fletcher, and R. Leeper, "First Measurements of the Absolute Neutron Spectrum Using the Magnetic Recoil Spectrometer (MRS) at the NIF."

D. H. Froula, V. N. Goncharov, S. X. Hu, J. F. Myatt, J. S. Ross, L. Divol, and S. H. Glenzer, "Ion-Acoustic Wave Instability from Laser-Driven Return Currents."

L. Gao, P. M. Nilson, W. Theobald, C. Stoeckl, C. Dorrer, T. C. Sangster, D. D. Meyerhofer, L. Willingale, and K. M. Krushelnick, "Measurements of Proton Generation with Intense, Kilojoule Laser Pulses on OMEGA EP."

V. Yu. Glebov, J. P. Knauer, T. C. Sangster, C. Stoeckl, E. J. Bond, J. A. Caggiano, T. J. Clancy, M. J. Eckart, J. D. Kilkenny, R. A. Lerche, J. McNaney, M. J. Moran, and D. H. Munro, "Neutron Time-of-Flight Diagnostic Performance During the National Ignition Facility's 2010 Campaign."

V. N. Goncharov, "Low-Adiabatic, High-Compression Cryogenic Deuterium–Tritium Implosions on OMEGA" (invited).

M. Hohenberger, W. Theobald, S. X. Hu, K. S. Anderson, D. D. Meyerhofer, C. Stoeckl, T. R. Boehly, D. E. Fratanduono, R. Betti, A. Casner, X. Ribeyre, and G. Schurtz, "Shock-Ignition Studies on OMEGA."

S. X. Hu, V. N. Goncharov, T. R. Boehly, S. Skupsky, T. C. Sangster, D. D. Meyerhofer, and R. L. McCrory, "The Equation-of-State Dependence of Nonuniformity Growth in Cryogenic-DT Implosions on OMEGA."

I. V. Igumenshchev, V. N. Goncharov, P. M. Nilson, T. C. Sangster, C. K. Li, R. D. Petrasso, and M. G. Haines, "Study of Self-Generated Magnetic Fields in Implosion Experiments on OMEGA."

M. Manuel, C. K. Li, F. H. Séguin, J. A. Frenje, D. T. Casey, N. Sinenian, R. D. Petrasso, R. Betti, V. A. Smalyuk, J. Hager, and R. P. J. Town, "Using Proton Radiography to Measure Rayleigh–Taylor-Induced Magnetic Fields."

J. A. Marozas, T. J. B. Collins, and J. D. Zuegel, "Smoothing by Spectral Dispersion (SSD) for Multiple-Picket Pulses on OMEGA and the NIF."

F. J. Marshall, V. Yu. Glebov, P. W. McKenty, P. B. Radha, and A. Shvydky, "NIF-Relevant, Polar-Drive Irradiation Tests on OMEGA."

A. V. Maximov, J. F. Myatt, R. W. Short, W. Seka, and R. Yan, "Two-Plasmon-Decay Instability and Stimulated Brillouin Scattering in Direct-Drive ICF Plasmas."

P. W. McKenty, R. S. Craxton, F. J. Marshall, A. Shvydky, R. Epstein, A. M. Cok, J. A. Marozas, T. J. B. Collins, S. Skupsky, C. Stoeckl, T. C. Sangster, M. J. Bonino, R. T. Janezic, D. R. Harding, W. T. Shmayda, S. F. B. Morse, D. D. Meyerhofer, R. L. McCrory, A. Nikroo, J. D. Kilkenny, M. L. Hoppe, J. Fooks, A. J. MacKinnon, R. J. Wallace, D. K. Bradley, and G. A. Kyrala, "Evaluation of the First Polar-Drive, DT-Gas-Filled Target Implosions on the NIF"

D. D. Meyerhofer, S.-W. Bahk, J. Bromage, C. Dorrer, J. H. Kelly, B. E. Kruschwitz, S. J. Loucks, R. L. McCrory, S. F. B. Morse, J. Qiao, C. Stoeckl, and L. J. Waxer, "Status of the OMEGA EP Laser System."

- J. F. Myatt, J. A. Delettrez, A. V. Maximov, R. W. Short, D. H. Edgell, W. Seka, D. F. Dubois, D. A. Russell, and H. X. Vu, “Two-Plasmon-Decay Preheat Calculations for OMEGA and Ignition-Scale Direct-Drive Inertial Confinement Fusion.”
- P. M. Nilson, A. A. Solodov, J. F. Myatt, W. Theobald, P. A. Jaanimagi, L. Gao, C. Stoeckl, R. S. Craxton, J. A. Delettrez, J. D. Zuegel, B. E. Kruschwitz, C. Dorrer, J. H. Kelly, K. U. Akli, P. K. Patel, A. J. MacKinnon, R. Betti, T. C. Sangster, and D. D. Meyerhofer, “Scaling Hot-Electron Generation to Long-Pulse, High-Intensity Laser–Solid Interactions” (invited).
- R. Nora, R. Betti, K. S. Anderson, P. Y. Chang, and M. Hohenberger, “One-Dimensional Hydrodynamic Theory of Shock Ignition.”
- P. B. Radha, C. Stoeckl, J. P. Knauer, V. N. Goncharov, I. V. Igumenshchev, R. L. McCrory, D. D. Meyerhofer, T. C. Sangster, S. Skupsky, J. A. Frenje, and R. D. Petrasso, “The Effect of Nonuniformity Growth on Direct-Drive Plastic-Shell Implosions on the OMEGA Laser.”
- S. P. Regan, R. Epstein, T. C. Sangster, D. D. Meyerhofer, B. A. Hammel, H. A. Scott, D. K. Bradley, D. Callahan, M. J. Edwards, M. J. Eckart, S. H. Glenzer, J. D. Kilkenny, O. L. Landen, N. B. Meezan, R. Prasad, V. A. Smalyuk, and L. J. Suter, “Spectroscopic Observations of Ablator Mass Mixed into the Hot Spot of NIF Implosions.”
- H. Rinderknecht, “A CVD Diamond-Based Proton-Bang-Time Detector for OMEGA and the NIF.”
- M. Rosenberg, “Yield and Ion-Temperature Measurements in Exploding Pusher Experiments on OMEGA and the NIF.”
- T. C. Sangster, V. N. Goncharov, R. Betti, T. R. Boehly, J. A. Delettrez, D. H. Edgell, V. Yu. Glebov, S. X. Hu, J. P. Knauer, F. J. Marshall, R. L. McCrory, P. W. McKenty, D. D. Meyerhofer, P. B. Radha, S. P. Regan, S. Seka, S. Skupsky, C. Stoeckl, B. Yaakobi, J. A. Frenje, and D. T. Casey, “Areal Density and Ion-Temperature Measurements in Cryogenic-DT Implosions on OMEGA.”
- W. Seka, D. H. Froula, D. H. Edgell, R. E. Bahr, J. F. Myatt, J. A. Delettrez., R. S. Craxton, S. X. Hu, A. V. Maximov, and R. W. Short, “Competitive Laser–Plasma Interaction Processes Near Quarter Critical Relevant to Direct-Drive ICF.”
- R. W. Short, “Angular Dependence of Two-Plasmon Decay in Multibeam Direct-Drive Irradiation Geometries.”
- A. Shvydky, P. W. McKenty, F. J. Marshall, R. S. Craxton, J. A. Marozas, R. Epstein, S. Skupsky, and R. L. McCrory, “Numerical Investigation of NIF Diagnostic Commissioning Experiments on OMEGA.”
- N. Sinenian, J. A. Frenje, R. D. Petrasso, F. H. Séguin, C. K. Li, W. Theobald, and C. Stoeckl, “Observation of Fast Protons in Recent Electron Fast-Ignition Experiments on OMEGA.”
- A. A. Solodov, R. Betti, K. S. Anderson, J. F. Myatt, W. Theobald, and C. Stoeckl, “Controlling the Divergence of Laser-Generated Fast Electrons Through Resistivity Gradients in Fast-Ignition Targets.”
- C. Stoeckl, D. H. Edgell, C. Forrest, V. Yu. Glebov, J. P. Knauer, and T. C. Sangster, “Monte Carlo Simulations of Neutron Scattering in Current-Mode Neutron Time-of-Flight Detectors.”
- W. Theobald, A. A. Solodov, C. Stoeckl, K. S. Anderson, R. Betti, T. R. Boehly, R. S. Craxton, J. A. Delettrez, C. Dorrer, J. A. Frenje, V. Yu. Glebov, H. Habara, K. A. Tanaka, J. P. Knauer, F. J. Marshall, K. L. Marshall, D. D. Meyerhofer, P. M. Nilson, P. K. Patel, H. Chen, T. C. Sangster, W. Seka, N. Sinenian, T. Ma, F. N. Beg, E. Giraldez, and R. B. Stephens, “Initial Cone-in-Shell Target Fast-Ignition Experiments on OMEGA” (invited).
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