
Publications and Conference Presentations

Publications

- S.-W. Bahk, E. Fess, B. E. Kruschwitz, and J. D. Zuegel, "A High-Resolution, Adaptive Beam-Shaping System for High-Power Lasers," *Opt. Express* **18**, 9151 (2010).
- M. A. Barrios, D. G. Hicks, T. R. Boehly, D. E. Fratanduono, J. H. Eggert, P. M. Celliers, G. W. Collins, and D. D. Meyerhofer, "High-Precision Measurements of the Equation of State of Hydrocarbons at 1–10 Mbar Using Laser-Driven Shock Waves," *Phys. Plasmas* **17**, 056307 (2010).
- Z. Bei, T. B. Jones, and D. R. Harding, "Electric Field Centering of Double-Emulsion Droplets Suspended in a Density Gradient," *Soft Matter* **6**, 2312 (2010).
- R. Betti, P. Y. Chang, B. K. Spears, K. S. Anderson, J. Edwards, M. Fatenejad, J. D. Lindl, R. L. McCrory, R. Nora, and D. Shvarts, "Thermonuclear Ignition in Inertial Confinement Fusion and Comparison with Magnetic Confinement," *Phys. Plasmas* **17**, 058102 (2010).
- P. Y. Chang, R. Betti, B. K. Spears, K. S. Anderson, J. Edwards, M. Fatenejad, J. D. Lindl, R. L. McCrory, R. Nora, and D. Shvarts, "Generalized Measurable Ignition Criterion for Inertial Confinement Fusion," *Phys. Rev. Lett.* **104**, 135002 (2010).
- C. Dorrer and J. Bromage, "High-Sensitivity Optical Pulse Characterization Using Sagnac Electro-Optic Spectral Shearing Interferometry," *Opt. Lett.* **35**, 1353 (2010).
- V. N. Goncharov, T. C. Sangster, T. R. Boehly, S. X. Hu, I. V. Igumenshchev, F. J. Marshall, R. L. McCrory, D. D. Meyerhofer, P. B. Radha, W. Seka, S. Skupsky, C. Stoeckl, D. T. Casey, J. A. Frenje, and R. D. Petrasso, "Demonstration of the Highest Deuterium-Tritium Areal Density Using Multiple-Picket Cryogenic Designs on OMEGA," *Phys. Rev. Lett.* **104**, 165001 (2010).
- W. Guan and J. R. Marciante, "Power Scaling of Single-Frequency Hybrid Brillouin/Ytterbium Fiber Lasers," *IEEE J. Quantum Electron.* **46**, 674 (2010).
- W. Guan and J. R. Marciante, "Single-Frequency Hybrid Brillouin/Ytterbium Fiber Laser with 1-W Output Power," in the *2010 Conference on Optical Fiber Communication and National Fiber Optic Engineers Conference* (IEEE, New York, 2010), Paper OThQ4.
- S. X. Hu, "Optimizing the FEDVR-TDCC Code for Exploring the Quantum Dynamics of Two-Electron Systems in Intense Laser Pulses," *Phys. Rev. E* **81**, 056705 (2010).
- S. X. Hu, B. Militzer, V. N. Goncharov, and S. Skupsky, "Strong Coupling and Degeneracy Effects in Inertial Confinement Fusion Implosions," *Phys. Rev. Lett.* **104**, 235003 (2010).
- H. Irie and R. Sobolewski, "Terahertz Electrical Response of Nanoscale Three-Branch Junctions," *J. Appl. Phys.* **107**, 084315 (2010).
- A. M. Kaplan, G. P. Agrawal, and D. N. Maywar, "Optical Square-Wave Clock Generation Based on an All-Optical Flip-Flop," *IEEE Photonics Technol. Lett.* **22**, 489 (2010).
- J. P. Knauer, O. V. Gotchev, P. Y. Chang, D. D. Meyerhofer, O. Polomarov, R. Betti, J. A. Frenje, C. K. Li, M. J.-E. Manuel, R. D. Petrasso, J. R. Rygg, and F. H. Séguin, "Compressing Magnetic Fields with High-Energy Lasers," *Phys. Plasmas* **17**, 056318 (2010).
- J. R. Marciante, R. G. Roides, V. V. Shkunov, and D. A. Rockwell, "Near-Diffraction-Limited Operation of Step-Index Large-Mode-Area Fiber Lasers Via Gain Filtering," *Opt. Lett.* **35**, 1828 (2010).

R. L. McCrory, D. D. Meyerhofer, S. J. Loucks, S. Skupsky, R. Betti, T. R. Boehly, M. J. Bonino, R. S. Craxton, T. J. B. Collins, J. A. Delettrez, D. H. Edgell, R. Epstein, V. Yu. Glebov, V. N. Goncharov, D. R. Harding, R. L. Keck, J. H. Kelly, T. J. Kessler, J. P. Knauer, L. D. Lund, D. Jacobs-Perkins, J. R. Marciante, J. A. Marozas, F. J. Marshall, A. V. Maximov, P. W. McKenty, S. F. B. Morse, J. Myatt, S. G. Noyes, P. B. Radha, A. Rigatti, T. C. Sangster, W. Seka, V. A. Smalyuk, J. M. Soures, C. Stoeckl, K. A. Thorp, L. J. Waxer, M. D. Wittman, B. Yaakobi, J. D. Zuegel, K. A. Fletcher, C. Freeman, S. Padalino, J. A. Frenje, C. K. Li, R. D. Petrasso, and F. H. Séguin, “Direct-Drive Inertial Fusion Research at the University of Rochester’s Laboratory for Laser Energetics: A Review,” in *Current Trends in International Fusion Research—Proceedings of the Sixth Symposium*, edited by E. Panarella and R. Raman (NRC Research Press, Ottawa, Canada), pp. 155–176.

C. Miao, J. C. Lambropoulos, and S. D. Jacobs, “Process Parameter Effects on Material Removal in Magnetorheological Finishing of Borosilicate Glass,” *Appl. Opt.* **49**, 1951 (2010).

P. M. Nilson, S. P. D. Mangles, L. Willingale, M. C. Kaluza, A. G. R. Thomas, M. Tatarakis, R. J. Clarke, K. L. Lancaster, S. Karsch, J. Schreiber, Z. Najmudin, A. E. Dangor, and K. Krushelnick, “Plasma Cavitation in Ultraintense Laser Interactions with Underdense Helium Plasmas,” *New J. Phys.* **12**, 045014 (2010).

J. Qiao, A. W. Schmid, L. J. Waxer, T. Nguyen, J. Bunkenburg, C. Kinglsey, A. Kozlov, and D. Weiner, “*In Situ* Detection and Analysis of Laser-Induced Damage on a 1.5-m Multilayer-Dielectric Grating Compressor for High-Energy, Petawatt-Class Laser Systems,” *Opt. Express* **18**, 10,423 (2010).

T. C. Sangster, V. N. Goncharov, 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, D. R. Harding, S. X. Hu, I. V. Igumenshchev, J. P. Knauer, S. J. Loucks, C. K. Li, J. A. Marozas, F. J. Marshall, R. L. McCrory, P. W. McKenty, D. D. Meyerhofer, P. M. Nilson, S. P. Padalino, R. D. Petrasso, P. B. Radha, S. P. Regan, F. H. Séguin, W. Seka, R. W. Short, D. Shvarts, S. Skupsky, V. A. Smalyuk, J. M. Soures, C. Stoeckl, W. Theobald, and B. Yaakobi, “Shock-Tuned Cryogenic-Deuterium-Tritium Implosion Performance on Omega,” *Phys. Plasmas* **17**, 056312 (2010).

J. E. Schoenly, W. Seka, and P. Rechmann, “Selective Near-UV Ablation of Subgingival Dental Calculus: Measurement of Removal Rates,” in *Lasers in Dentistry XVI*, edited by P. Rechmann and D. Fried (SPIE, Bellingham, WA, 2010), Vol. 7549, p. 754906.

V. A. Smalyuk, R. Betti, J. A. Delettrez, V. Yu. Glebov, D. D. Meyerhofer, P. B. Radha, S. P. Regan, T. C. Sangster, J. Sanz, W. Seka, C. Stoeckl, B. Yaakobi, J. A. Frenje, C. K. Li, R. D. Petrasso, and F. H. Séguin, “Implosion Experiments using Glass Ablators for Direct-Drive Inertial Confinement Fusion,” *Phys. Rev. Lett.* **104**, 165002 (2010).

L. Sun, S. Jiang, and J. R. Marciante, “All-Fiber Optical Magnetic Field Sensor Based on Faraday Rotation,” in the *2010 Conference on Optical Fiber Communication and National Fiber Optic Engineers Conference* (IEEE, New York, 2010), Paper OWL3.

L. Sun, S. Jiang, and J. R. Marciante, “Compact All-Fiber Optical Faraday Components Using 65-wt%-Terbium-Doped Fiber with a Record Verdet Constant of -32 rad/(Tm),” *Opt. Express* **18**, 12,191 (2010).

R. Yan, A. V. Maximov, and C. Ren, “The Linear Regime of the Two-Plasmon Decay Instability in Inhomogeneous Plasmas,” *Phys. Plasmas* **17**, 052701 (2010).

Forthcoming Publications

J. Bromage, C. Dorrer, J. R. Marciante, M. J. Shoup III, and J. D. Zuegel, “Modal Measurement of a Large-Mode-Area Photonic-Crystal Fiber Amplifier Using Spatially Resolved Spectral Interferometry,” to be published in *Solid State Diode Laser Technology Review*.

J. Bromage, C. Dorrer, and J. D. Zuegel, “Angular-Dispersion-Induced Spatiotemporal Aberrations in Noncollinear Optical Parametric Amplifiers,” to be published in *Optics Letters*.

E. Glowacki, K. Horovitz, C. W. Tang, and K. L. Marshall, "Photoswitchable Gas Permeation Membranes Based on Liquid Crystals," to be published in *Advanced Functional Materials*.

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-DT Implosions on OMEGA," to be published on *Physics of Plasmas*.

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," to be published in *IEEE Transactions on Nanotechnology*.

J. C. Lambropoulos, C. Miao, and S. D. Jacobs, "Magnetic Field Effects on Shear and Normal Stresses in Magnetorheological Finishing," to be published in *Optics Express*.

N. Marrocco, G. P. Pepe, A. Capretti, L. Parlato, V. Pagliarulo, G. Pleuso, A. Barone, R. Cristiano, M. Ejrnaes, A. Casaburi, N. Kashiwazaki, T. Taino, H. Myoren, and R. Sobolewski, "Strong Critical Current Density Enhancement in NiCu/NbN Superconducting Nanostripes for Optical Detection," to be published in *Applied Physics Letters*.

P. W. McKenty, R. S. Craxton, F. J. Marshall, T. C. Sangster, J. A. Marozas, A. M. Cok, M. J. Bonino, D. R. Harding, D. D. Meyerhofer, R. L. McCrory, J. D. Kilkenny, A. Nikroo, J. Fooks, M. Hoppe, J. M. Edwards, A. J. MacKinnon, D. H. Munro, and R. J. Wallace, "Design of High-Neutron-Yield Polar-Drive Targets for Diagnostic Activation Experiments on the NIF," to be published in the *Journal of Physics: Conference Series*.

A. A. Solodov, M. Storm, J. F. Myatt, R. Betti, D. D. Meyerhofer, P. M. Nilson, W. Theobald, and C. Stoeckl, "Simulations of Electron-Beam Transport in Solid-Density Targets and the Role of Magnetic Collimation," to be published in the *Journal of Physics, Conference Series*.

L. Sun, S. Jiang, and J. R. Marciante, "All-Fiber Optical Faraday Mirror Using 56-wt%-Terbium-Doped Fiber," to be published in *IEEE Photonics Technology Letters*.

L. Zeng, T. N. Blanton, and S. H. Chen, "Modulation of Phase Separation Between Spherical and Rod-Like Molecules Using Geometric Surfactancy," to be published in *Langmuir*.

L. Zeng, C. W. Tang, and S. H. Chen, "Effects of Active Layer Thickness and Thermal Annealing on Polythiophene: Fullerene Bulk Heterojunction Photovoltaic Devices," to be published in *Applied Physics Letters*.

Conference Presentations

W. T. Shmayda and J. E. Fair, "Humidity and Temperature-Stimulated Outgassing from Contaminated Metal Surfaces," *Hydrogen and Helium Isotopes in Materials*, Oak Ridge, TN, 20–21 April 2010.

J. F. Myatt, J. A. Delettrez, A. V. Maximov, D. D. Meyerhofer, R. W. Short, C. Stoeckl, M. Storm, S. C. Wilks, and H. Chen, "Optimizing Pair Production on Kilojoule-Class Lasers," *Workshop on Antimatter Using Intense Lasers*, Berkeley, CA, 27–28 April 2010.

The following presentations were made at the OMEGA Laser Facility Users Workshop, Rochester, NY, 28–30 April 2010:

M. A. Barrios, D. G. Hicks, T.R. Boehly, D. E. Fratanduono, J. H. Eggert, P. M. Celliers, G. W. Collins, and D. D. Meyerhofer, "High-Precision Measurements of the Equation of State of Hydrocarbons at 1- to 10-Mbar Using Laser-Driven Shock Waves."

C. Dorrer, D. Irwin, A. Consentino, and J. Qiao, "OMEGA EP Temporal Contrast Measurements."

G. Fiksel, R. Jungquist, 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, "Measures of Strain-Induced Refractive-Index Changes in Ramp-Compressed Lithium Fluoride."

J. D. Hager, V. A. Smalyuk, S. X. Hu, D. D. Meyerhofer, and T. C. Sangster, "Rayleigh–Taylor Measurements in Planar CH and SiO₂ Foils on OMEGA."

B. E. Kruschwitz, S.-W. Bahk, J. Bromage, D. Irwin, and M. Moore, "On-Shot Focal-Spot Characterization on OMEGA EP."

S. F. B. Morse, "Facility Overview and Progress on 2009 OLOG Recommendations."

P. M. Nilson, R. Betti, J. A. Delettrez, L. Gao, P. A. Jaanimagi, J. F. Myatt, T. C. Sangster, A. A. Solodov, C. Stoeckl, W. Theobald, B. Yaakobi, J. D. Zuegel, A. J. Mackinnon, P. K. Patel, K. Akli, L. Willingale, and K. M. Krushelnick, "Intense-Energy Coupling with Multikilojoule, 10-ps Pulses on OMEGA EP."

G. Pien, "Diagnostic Qualification and Infrastructure Update."

W. Theobald, W. Seka, M. Bedzyk, R. Boni, R. Brown, R. S. Craxton, S. Ivancic, P. M. Nilson, J. Puth, A. V. Okishev, R. G. Roides, T. C. Sangster, C. Stoeckl, T. Duffy, D. Weiner, and J. Zuegel, "Fourth-Harmonic Probe Diagnostic for OMEGA EP."

K. A. Thorp, "Omega Facility Status and Performance Update."

The following presentations were made at the 18th Topical Conference on High-Temperature Plasma Diagnostics, Wildwood, NJ, 16–20 May 2010:

D. H. Edgell, W. Seka, V. N. Goncharov, I. V. Igumenshchev, R. S. Craxton, J. A. Delettrez, J. F. Myatt, A. V. Maximov, T. C. Sangster, and R. W. Short, R. E. Bahr, "Time-Resolved Scattered-Light Spectroscopy in Direct-Drive-Implsion Experiments on OMEGA."

G. Fiksel, C. Freeman, J. A. Frenje, J. C. Mileham, P. M. Nilson, N. Sinenian, C. Stoeckl, and W. Theobald, "Characterization of Composition and Energy Spectra of Laser-Produced Ions with Thomson Parabola."

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. 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" (invited).

F. J. Marshall, T. DeHaas, and V. Yu. Glebov, "Charge-Injection-Device Performance in the High-Energy-Neutron Environment of Laser-Fusion Experiments."

C. Stoeckl, M. Cruz, V. Yu. Glebov, J. P. Knauer, R. Lauck, K. L. 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."

The following presentations were made at CLEO 2010, San Jose, CA, 16–21 May 2010:

J. Bromage, C. Dorrer, and J. D. Zuegel, "Eliminating Spatio-temporal Distortions from Angular Dispersion in Noncollinear Optical Parametric Amplifiers."

C. Dorrer, D. Irwin, A. Consentino, and J. Qiao, "Contrast Measurements of Kilojoule Laser Pulses at the Omega Laser Facility."

B. E. Kruschwitz, S.-W. Bahk, J. Bromage, D. Irwin, M. Moore, L. J. Waxer, J. D. Zuegel, and J. H. Kelly, "Improved On-Shot Focal-Spot Diagnosis on the OMEGA EP Short-Pulse Laser System."

J. Qiao, L. J. Waxer, T. Nguyen, J. Bunkenburg, C. Kingsley, J. H. Kelly, A. W. Schmid, and D. Weiner, "*In-Situ* Detection and Analysis of Laser-Induced Damage on a 1.5-m Multilayer-Dielectric Grating Compressor for High-Energy, Petawatt-Class Laser Systems."

R. C. G. Smith, A. M. Sarangan, and J. R. Marciante, "Direct Measurement of Bend-Induced Mode Deformation Using a Helical-Core Fiber."

L. Sun, S. Jiang, and J. R. Marciante, "A Compact All-Fiber Optical Faraday Mirror."

M. Vargas, Z. Zhao, K. L. Marshall, and C. Dorrer, "Optically Patterned Liquid Crystal Devices for High-Resolution Beam Shaping."

R. Xin and J. D. Zuegel, "Generation of CPA Seed Pulse by Direct Phase Modulation."

J. D. Zuegel, "Laser Fusion for Laser Jocks: Basic Principles of a Laser Application Meeting a Grand Challenge," CLEO Applications, San Jose, CA, 16–21 May 2010 (invited tutorial).

The following presentations were made at Optical Interference Coatings, Tucson, AZ, 6–11 June 2010:

K. L. Marshall, E. Glowacki, C. Sileo, L. Chockalingam, J. Lee, V. Guiliano, and A. Rigatti, "Improving the Abrasion Resistance of Organosilane-Modified Sol-Gel Coatings for High-Peak-Power Laser Applications."

J. B. Oliver, P. Kupinski, A. L. Rigatti, A. W. Schmid, J. C. Lambropoulos, S. Papernov, A. Kozlov, and R. D. Hand "Modification of Stresses in Evaporated Hafnia Coatings for Use in Vacuum."

J. B. Oliver, P. Kupinski, A. L. Rigatti, A. W. Schmid, J. C. Lambropoulos, S. Papernov, A. Kozlov, and R. D. Hand "Stress Compensation in Hafnia/Silica Optical Coatings by Inclusion of Alumina Layers."

J. B. Oliver, P. Kupinski, A. L. Rigatti, A. W. Schmid, J. C. Lambropoulos, S. Papernov, A. Kozlov, J. Spaulding, D. Sadowski, Z. Chrzan, R. D. Hand, D. R. Gibson, I. Brinkley, and F. Placido, "Large-Aperture Plasma-Assisted Deposition of ICF Laser Coatings."

A. L. Rigatti, J. B. Oliver, P. Kupinski, H. Floch, E. Lavastre, G. Ravel, and F. Geffraye, "CEA Deformable-Mirror Coating Test Results."

J. F. Myatt, R. Betti, J. A. Delettrez, L. Gao, P. A. Jaanimagi, A. V. Maximov, D. D. Meyerhofer, T. C. Sangster, R. W. Short, C. Stoeckl, M. Storm, W. Theobald, B. Yaakobi, J. D. Zuegel, S. C. Wilks, A. J. MacKinnon, P. K. Patel, H. Chen, and K. Akli, "High-Intensity Laser-Matter Interaction Experiments on the Kilojoule-Class OMEGA EP Laser," 2010 Canadian Association of Physicists Congress, Toronto, Canada, 7–11 June 2010.

The following presentations were made at Optical Fabrication and Testing, Jackson Hole, WY, 13–17 June 2010:

S. N. Shafrir, H. J. Romanofsky, M. D. Skarlinski, M. Wang, C. Miao, S. Salzman, T. Chartier, J. Mici, J. C. Lambropoulos, R. Shen, H. Yanh, and S. D. Jacobs, "Corrosion Resistant Zirconia Coated Carbonyl Iron Particle-Based Magnetorheological Fluid."

M. D. Skarlinski and S. D. Jacobs, "Modifying the Rheological Properties of Zirconia Coated Carbonyl Iron Suspensions Through Acid-Base Titration and the Addition of Di-Ammonium Citrate."

The following presentations were made at the 40th Annual Anomalous Absorption Conference, Snowmass Village, CO, 13–18 June 2010:

T. J. B. Collins, J. A. Marozas, S. Skupsky, P. W. McKenty, V. N. Goncharov, P. B. Radha, R. S. Craxton, F. J. Marshall, R. Epstein, D. Jacobs-Perkins, and A. Shvydky, "Preparing for Polar Drive at the National Ignition Facility."

D. H. Edgell, J. F. Myatt, W. Seka, J. A. Delettrez, A. V. Maximov, R. W. Short, and R. E. Bahr, "Anisotropic Distribution of Hard X Rays from the Two-Plasmon-Decay Hot-Electron Distribution."

M. G. Haines, J. A. Delettrez, J. F. Myatt, A. A. Solodov, T. J. B. Collins, and J. A. Marozas, "Electrothermally Generated Filaments in Laser-Solid Interactions."

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 Radiation-Hydrodynamic Simulations of Cryogenic-DT Implosions at the Omega Laser Facility."

A. V. Maximov, J. F. Myatt, R. W. Short, R. Yan, and W. Seka, "Modeling of Two-Plasmon-Decay Instability in the Plasmas of Direct-Drive Inertial Confinement Fusion."

J. F. Myatt, J. A. Delettrez, W. Seka, D. H. Edgell, A. V. Maximov, R. W. Short, D. F. DuBois, D. A. Russell, and H. X. Vu, "Calculations of Preheat Caused by the Two-Plasmon-Decay Instability in Direct-Drive ICF Plasmas."

W. Seka, D. H. Edgell, J. F. Myatt, R. S. Craxton, A. V. Maximov, and R. W. Short, "SBS, SRS, and TPD in Planar Target Experiments Relevant to Direct-Drive ICF."

R. W. Short, "Anisotropy of Collectively Driven Two-Plasmon Decay in Direct-Drive Spherical Irradiation Geometry."

H. X. Vu, D. F. DuBois, D. A. Russell, J. F. Myatt, and W. Seka, "Hot-Electron Generation by the Two-Plasmon-Decay Instability in Inhomogeneous Plasmas."

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," 37th International Conference on Plasma Science, Norfolk, VA, 20-24 June 2010.