
Publications and Conference Presentations

Publications

S. D. Jacobs, H. M. Pollicove, E. M. Fess, and J. Schoen, "Aspheric Optics Manufacturing for Commercial and Military Systems," in *First Symposium for Explosive Materials, Weapons, and Military Technology* (Military Academy General Mihailo Apostolski, Skopje, Macedonia, 2002), pp. 497–504.

R. K. Kirkwood, J. D. Moody, A. B. Langdon, B. I. Cohen, E. A. Williams, M. R. Dorr, J. A. Hittinger, R. Berger, P. E. Young, L. J. Suter, L. Divol, S. H. Glenzer, O. L. Landen, and W. Seka, "Observation of Saturation of Energy Transfer between Copropagating Beams in a Flowing Plasma," *Phys. Rev. Lett.* **89**, 215003 (2002).

T. Z. Kosc, K. L. Marshall, S. D. Jacobs, and J. C. Lambropoulos, "Electric-Field-Induced Rotation of Polymer Cholesteric Liquid Crystal Flakes: Mechanisms and Applications," in *Liquid Crystals VI*, edited by I.-C. Khoo (SPIE, Bellingham, WA, 2002), Vol. 4799, pp. 96–101.

C. K. Li, F. H. Séguin, J. A. Frenje, S. Kurebayashi, R. D. Petrasso, D. D. Meyerhofer, J. M. Soures, J. A. Delettrez, V. Yu. Glebov, P. B. Radha, F. J. Marshall, S. P. Regan, S. Roberts, T. C. Sangster, and C. Stoeckl, "Effects of Fuel–Shell Mix Upon Direct-Drive, Spherical Implosions on OMEGA," *Phys. Rev. Lett.* **89**, 165002 (2002).

S. G. Lukishova, R. W. Boyd, N. Lepeshkin, and K. L. Marshall, "Cumulative Birefringence Effects of Nanosecond Laser Pulses in Dye-Doped Planar Nematic Liquid Crystal Layers," *J. Nonlinear Opt. Phys. Mater.* **11**, 341 (2002).

S. Papernov and A. W. Schmid, "Correlations Between Embedded Single Gold Nanoparticles in SiO₂ Thin Film and Nanoscale Crater Formation Induced by Pulsed-Laser Radiation," *J. Appl. Phys.* **92**, 5720 (2002).

G. Sabouret, C. Williams, and R. Sobolewski, "Resistive Switching Dynamics in Current-Biased YBa₂Cu₃O_{7-x} Microbridges Excited by Nanosecond Electrical Pulses," *Phys. Rev. B* **66**, 132501 (2002).

W. Seka, H. A. Baldis, J. Fuchs, S. P. Regan, D. D. Meyerhofer, C. Stoeckl, B. Yaakobi, R. S. Craxton, and R. W. Short, "Multibeam Stimulated Brillouin Scattering from Hot, Solid-Target Plasmas," *Phys. Rev. Lett.* **89**, 175002 (2002).

M. D. Skeldon, "Optical Pulse-Shaping System Based on an Electro-Optic Modulator Driven by an Aperture-Coupled-Stripline Electrical-Waveform Generator," *J. Opt. Soc. Am. B* **19**, 2423 (2002).

C. Stoeckl, V. Yu. Glebov, J. D. Zuegel, D. D. Meyerhofer, and R. A. Lerche, "Wide-Dynamic-Range 'Neutron Bang Time' Detector on OMEGA," *Rev. Sci. Instrum.* **73**, 3796 (2002).

Forthcoming Publications

A. Babushkin, M. J. Harvey, and M. D. Skeldon, "The Output Signal-to-Noise Ratio of a Nd:YLF Regenerative Amplifier," to be published in *Applied Optics*.

Y. Geng, S. W. Culligan, A. Trajkovska, J. U. Wallace, and S. H. Chen, "Monodisperse Oligofluorenes Forming Glassy Nematic Films for Polarized Blue Emission," to be published in *Chemistry of Materials*.

V. Yu. Glebov, C. Stoeckl, T. C. Sangster, D. D. Meyerhofer, P. B. Radha, S. Padalino, L. Baumgart, R. Coburn, and J. Fuschino, "Carbon Activation Diagnostic for Tertiary Neutron Measurements," to be published in *Review of Scientific Instruments*.

G. N. Gol'tsman, K. Smirnov, P. Kouminov, B. Voronov, N. Kaurova, V. Drakinsky, J. Zhang, A. Verevkin, and R. Sobolewski, "Fabrication of Nanostructured Superconducting Single-Photon Detectors," to be published in *IEEE Transactions on Applied Superconductivity*.

V. N. Goncharov, J. P. Knauer, P. W. McKenty, T. C. Sangster, S. Skupsky, R. Betti, R. L. McCrory, and D. D. Meyerhofer, "Improved Performance of Direct-Drive ICF Target Designs with Adiabatic Shaping Using an Intensity Picket," to be published in *Physics of Plasmas* (invited).

O. V. Gotchev, P. A. Jaanimagi, J. P. Knauer, F. J. Marshall, D. D. Meyerhofer, N. Bassett, and J. B. Oliver, "High-Throughput, High-Resolution, Kirkpatrick-Baez Microscope for Advanced Streaked Imaging of ICF Experiments on OMEGA," to be published in *Review of Scientific Instruments*.

Q. Guo, X. Teng, S. Rahman, and H. Yang, "Patterned Langmuir-Blodgett Films of Monodisperse Iron Nanoparticles Using Soft Lithographic Technique," to be published in the *Journal of the American Chemical Society*.

D. L. McCrorey, R. C. Mancini, V. A. Smalyuk, S. P. Regan, and B. Yaakobi, "Spectroscopic Determination of Compressed-Shell Conditions in OMEGA Implosions Based on Ti K-Shell Line Absorption Analysis," to be published in *Review of Scientific Instruments*.

R. L. McCrory, D. D. Meyerhofer, R. Betti, T. R. Boehly, R. S. Craxton, T. J. B. Collins, J. A. Delettrez, R. Epstein, V. Yu. Glebov, V. N. Goncharov, D. R. Harding, R. L. Keck, J. H. Kelly, J. P. Knauer, S. J. Loucks, L. Lund, J. A. Marozas, P. W. McKenty, F. J. Marshall, S. F. B. Morse, P. B. Radha, S. P. Regan, S. Roberts, W. Seka, S. Skupsky, V. A. Smalyuk, C. Sorce, C. Stoeckl, J. M. Soures, R. P. J. Town, B. Yaakobi, J. A. Frenje, C. K. Li, R. D. Petrasso, F. H. Séguin, K. Fletcher, S. Padalino, C. Freeman, and C. Sangster, "Direct-Drive Inertial Confinement Fusion Research at the Laboratory for Laser Energetics," to be published in the proceedings of *Current Trends in International Fusion Research: A Review*.

R. L. McCrory, D. D. Meyerhofer, S. J. Loucks, S. Skupsky, R. E. Bahr, R. Betti, T. R. Boehly, R. S. Craxton, T. J. B. Collins, J. A. Delettrez, W. R. Donaldson, R. Epstein, J. A. Frenje, V. Yu. Glebov, V. N. Goncharov, D. R. Harding, P. A. Jaanimagi, R. L. Keck, J. H. Kelly, T. J. Kessler, J. P. Knauer, C. K. Li, L. Lund, J. A. Marozas, P. W. McKenty, F. J.

Marshall, S. F. B. Morse, R. D. Petrasso, P. B. Radha, S. P. Regan, S. Roberts, T. C. Sangster, F. H. Séguin, W. Seka, V. A. Smalyuk, C. Sorce, J. M. Soures, C. Stoeckl, R. P. J. Town, B. Yaakobi, and J. D. Zuegel, "Direct-Drive Inertial Confinement Fusion Research at the Laboratory for Laser Energetics," to be published in *Nuclear Fusion*.

S. Papernov and A. W. Schmid, "Damage Behavior of SiO₂ Thin Films Containing Gold Nanoparticles Lodged on a Pre-determined Distance from the Film Surface," to be published in the *Proceedings of the XXXIV Annual Symposium on Optical Materials for High Power Lasers*.

R. D. Petrasso, F. H. Séguin, J. A. Frenje, C. K. Li, J. R. Rygg, B.-E. Schwartz, S. Kurebayashi, P. B. Radha, C. Stoeckl, J. M. Soures, J. A. Delettrez, V. Yu. Glebov, D. D. Meyerhofer, and T. C. Sangster, "Measuring Implosion Dynamics through ρR Evolution in Inertial Confinement Fusion Experiments," to be published in *Physical Review Letters*.

F. H. Séguin, J. A. Frenje, C. K. Li, D. G. Hicks, S. Kurebayashi, R. D. Petrasso, S. Roberts, J. M. Soures, D. D. Meyerhofer, T. C. Sangster, C. Sorce, V. Yu. Glebov, C. Stoeckl, T. W. Phillips, R. J. Leeper, K. Fletcher, and S. Padalino, "Spectrometry of Charged Particles from Inertial Confinement Fusion Plasmas," to be published in *Review of Scientific Instruments*.

V. A. Smalyuk, S. B. Dumanis, F. J. Marshall, J. A. Delettrez, D. D. Meyerhofer, T. C. Sangster, and B. Yaakobi, "Radial Structure of Shell Modulations Near Peak Compression of Spherical Implosions," to be published in *Physics of Plasmas*.

V. A. Smalyuk, P. B. Radha, J. A. Delettrez, V. Yu. Glebov, V. N. Goncharov, D. D. Meyerhofer, S. P. Regan, S. Roberts, T. C. Sangster, J. M. Soures, C. Stoeckl, J. A. Frenje, C. K. Li, R. D. Petrasso, and F. H. Séguin, "Time-Resolved Areal-Density Measurements with Proton Spectroscopy in Spherical Implosions," to be published in *Physical Review Letters*.

R. Sobolewski, A. Verevkin, G. N. Gol'tsman, A. Lipatov, and K. Wilsher, "Ultrafast Superconducting Single-Photon Optical Detectors and Their Applications," to be published in *IEEE Transactions on Applied Superconductivity*.

C. Stoeckl, V. Yu. Glebov, S. Roberts, T. C. Sangster, R. A. Lerche, and C. Sorce, "A TIM-Based Neutron Diagnostic for Cryogenic Experiments on OMEGA," to be published in *Review of Scientific Instruments*.

A. Sunahara, J. A. Delettrez, C. Stoeckl, R. W. Short, and S. Skupsky, "Time-Dependent Electron-Thermal-Flux Inhibition in Direct-Drive Laser Implosion," to be published in *Physical Review Letters*.

F.-Y. Tsai, T. N. Blanton, D. R. Harding, and S. H. Chen, "Temperature Dependency of the Properties of Vapor-Deposited Polyimide," to be published in the *Journal of Applied Physics*.

F.-Y. Tsai, D. R. Harding, S. H. Chen, and T. N. Blanton, "High-Permeability Fluorinated Polyimide Microcapsules by Vapor-Deposition Polymerization," to be published in *Polymer*.

Y. Xu, M. Khafizov, A. Plecenik, P. Kus, L. Satrapinsky, and R. Sobolewski, "Femtosecond Optical Characterization of MgB₂ Superconducting Thin Films," to be published in *IEEE Transactions on Applied Superconductivity*.

B. Yaakobi, F. J. Marshall, T. R. Boehly, R. P. J. Town, and D. D. Meyerhofer, "Extended X-Ray Absorption Fine Structure Experiments Using a Laser-Imploded Target as a Radiation Source," to be published in the *Journal of the Optical Society of America B*.

J. Zhang, W. Slysz, A. Verevkin, O. Okunev, G. Chulkova, A. Korneev, A. Lipatov, G. N. Gol'tsman, and R. Sobolewski, "Response-Time Characterization of NbN Superconducting Single-Photon Detectors," to be published in *IEEE Transactions on Applied Superconductivity*.

X. Zheng, Y. Xu, R. Sobolewski, R. Adam, M. Mikulics, M. Siegel, and P. Kordos, "Femtosecond Response of a Free-standing LT-GaAs Photoconductive Switch," to be published in *Applied Optics*.

Conference Presentations

R. L. McCrory, D. D. Meyerhofer, S. J. Loucks, S. Skupsky, R. E. Bahr, R. Betti, T. R. Boehly, R. S. Craxton, T. J. B. Collins, J. A. Delettrez, W. R. Donaldson, R. Epstein, J. A. Frenje, V. Yu. Glebov, V. N. Goncharov, D. R. Harding, P. A. Jaanimagi, R. L. Keck, J. H. Kelly, T. J. Kessler, J. P. Knauer, C. K. Li, L. D. Lund, J. A. Marozas, P. W. McKenty, F. J. Marshall, S. F. B. Morse, R. D. Petrasso, P. B. Radha, S. P. Regan, S. Roberts, T. C. Sangster, F. H. Séguin, W. Seka, V. A. Smalyuk, C. Sorce, J. M. Soures, C. Stoeckl, R. P. J. Town, B. Yaakobi, and J. D. Zuegel, "Progress in Direct-Drive Inertial Confinement Fusion Research at the Laboratory for Laser Energetics," 19th IAEA Fusion Energy Conference, Lyon, France, 14–19 October 2002.

The following presentations were made at the 44th Annual Meeting of the APS Division of Plasma Physics, Orlando, FL, 11–15 November 2002:

K. Anderson, R. Betti, T. J. B. Collins, M. M. Marinak, and S. W. Haan, "Adiabatic Shaping of ICF Capsules Using Ramped Pressure Profiles."

R. Betti and K. Anderson, "Theory of Laser-Induced Adiabatic Shaping in Inertial Fusion Implosions."

T. R. Boehly, T. J. B. Collins, E. Vianello, D. Jacobs-Perkins, D. D. Meyerhofer, G. W. Collins, P. M. Celliers, D. G. Hicks, and R. Cauble, "Deuterium Equation-of-State Experiments on OMEGA."

T. J. B. Collins, S. Skupsky, V. N. Goncharov, R. Betti, P. W. McKenty, and P. B. Radha, "High-Gain, Direct-Drive Foam Target Designs for the National Ignition Facility."

R. S. Craxton, S. P. Regan, J. A. Delettrez, D. D. Meyerhofer, T. C. Sangster, W. Seka, and B. Yaakobi, "Microdot Expansion Trajectories in Long-Scale-Length Plasmas on OMEGA."

J. A. Delettrez, J. P. Knauer, W. Seka, P. A. Jaanimagi, and C. Stoeckl, "Numerical Investigation of Laser Absorption and Drive Experiments of CH Spherical Shells on the OMEGA Laser."

R. Epstein, T. J. B. Collins, J. A. Delettrez, V. N. Goncharov, P. W. McKenty, P. B. Radha, and S. Skupsky, "Modeling of Fuel-Pusher Mix Effects in 1-D Simulations of Cryogenic, All-DT Ignition Capsule Implosions."

J. A. Frenje, C. K. Li, F. H. Séguin, R. D. Petrasso, J. M. Soures, J. A. Delettrez, V. Yu. Glebov, D. D. Meyerhofer, P. B. Radha, T. C. Sangster, C. Stoeckl, N. Hoffmann, and D. Wilson, “Effects of Fuel–Shell Mix on Direct-Drive Implosions of ^3He -Gas-Filled, CD-Layered Plastic Capsules on OMEGA.”

T. A. Gardiner, L. Guazzotto, R. Betti, and J. Manickam, “Axisymmetric MHD Equilibria with Arbitrary Flow and Applications to NSTX.”

V. Yu. Glebov, C. Stoeckl, T. C. Sangster, J. A. Delettrez, P. W. McKenty, and P. B. Radha, “Neutron Burn History Measurements of D_2 Cryogenic Targets on OMEGA.”

V. N. Goncharov, “Improved Performance of Direct-Drive ICF Target Designs with Adiabatic Shaping Using an Intensity Picket” (invited).

O. V. Gotchev, V. N. Goncharov, P. A. Jaanimagi, J. P. Knauer, and D. D. Meyerhofer, “Experiments on Dynamic Overpressure Stabilization of Ablative Richtmyer–Meshkov Growth in ICF Targets on OMEGA.”

L. Guazzotto and R. Betti, “Two-Dimensional MHD Simulations of Tokamak Plasmas with Poloidal Flow.”

I. V. Igumenshchev, V. N. Goncharov, P. W. McKenty, and S. Skupsky, “Simulations of Cryogenic Target Implosions on OMEGA.”

J. P. Knauer, V. N. Goncharov, P. W. McKenty, T. C. Sangster, R. Betti, V. Yu. Glebov, F. J. Marshall, P. B. Radha, C. Stoeckl, J. A. Frenje, C. K. Li, R. D. Petrasso, and F. H. Séguin, “Improved Performance of Direct-Drive Implosions with a Laser-Shaped Adiabatic.”

M. V. Kozlov and C. J. McKinstrie, “SBS in Multiple-Species Plasmas.”

S. Kurebayashi, J. R. Rygg, B. E. Schwartz, J. DeCiantis, S. Burke, J. A. Frenje, C. K. Li, F. H. Séguin, R. D. Petrasso, V. Yu. Glebov, J. M. Soures, D. D. Meyerhofer, S. Roberts, T. C. Sangster, C. Stoeckl, N. Hoffmann, and D. Wilson, “Stopping Power and Secondary Nuclear Production in OMEGA Implosions.”

C. K. Li, F. H. Séguin, J. A. Frenje, S. Kurebayashi, J. R. Rygg, B. E. Schwartz, R. D. Petrasso, R. L. Keck, J. A. Delettrez, P. W. McKenty, F. J. Marshall, D. D. Meyerhofer, P. B. Radha, T. C. Sangster, J. M. Soures, and C. Stoeckl, “Capsule Areal-Density Asymmetries and Time Evolution Inferred from 14.7-MeV Proton Line Structure in OMEGA D^3He Implosions” (invited).

J. A. Marozas and P. B. Radha, “A SSD Model for Arbitrary Pulse Shapes Used in the Multidimensional Hydrodynamic Code *DRACO*.”

F. J. Marshall, P. W. McKenty, T. J. Kessler, R. Forties, J. H. Kelly, and L. J. Waxer, “Optimized Direct-Drive Uniformity.”

A. V. Maximov, J. Myatt, and R. W. Short, “Modeling of Laser–Plasma Interaction Near the Critical Density.”

P. W. McKenty, L. M. Elasky, D. R. Harding, F. J. Marshall, D. D. Meyerhofer, P. B. Radha, T. C. Sangster, S. Skupsky, R. L. McCrory, J. A. Frenje, C. K. Li, R. D. Petrasso, and F. H. Séguin, “Numerical Investigation into the Sensitivity of OMEGA Cryogenic Capsule Implosions to Low-Order-Mode Ice Perturbations.”

D. D. Meyerhofer, J. A. Delettrez, D. R. Harding, J. D. Kilkenny, S. J. Loucks, R. L. McCrory, P. W. McKenty, S. F. B. Morse, T. C. Sangster, S. Skupsky, and C. Stoeckl, “Direct-Drive Fast-Ignition Research at LLE.”

J. Myatt, A. V. Maximov, and R. W. Short, “Realistic Simulations of Stimulated Brillouin Scattering in Long-Scale-Length, Direct-Drive Experiments on OMEGA.”

R. D. Petrasso, J. A. Frenje, F. H. Séguin, C. K. Li, B. E. Schwartz, C. Stoeckl, P. B. Radha, J. A. Delettrez, D. D. Meyerhofer, S. Roberts, T. C. Sangster, and J. M. Soures, “Proton and Alpha Core Imaging of OMEGA D^3He Implosions.”

P. B. Radha, T. J. B. Collins, J. A. Delettrez, R. Epstein, V. Yu. Glebov, V. N. Goncharov, J. A. Marozas, P. W. McKenty, D. D. Meyerhofer, T. C. Sangster, C. Stoeckl, S. Skupsky, J. M. Soures, V. A. Smalyuk, J. A. Frenje, C. K. Li, R. D. Petrasso, F. H. Séguin, and R. P. J. Town, “The Effect of Laser Imprint on Target Performance in Direct-Drive Implosions on OMEGA.”

S. P. Regan, J. A. Delettrez, F. J. Marshall, J. M. Soures, V. A. Smalyuk, B. Yaakobi, R. Epstein, V. Yu. Glebov, P. A. Jaanimagi, D. D. Meyerhofer, P. B. Radha, T. C. Sangster, W. Seka, S. Skupsky, C. Stoeckl, D. A. Haynes, Jr., J. A. Frenje, C. K. Li, R. D. Petrasso, and F. H. Séguin, “Experimental Investigation of Fuel–Pusher Mix in Direct-Drive Implosions on OMEGA.”

J. R. Rygg, S. Kurebayashi, B. E. Schwartz, J. DeCiantis, S. Burke, J. A. Frenje, C. K. Li, F. H. Séguin, R. D. Petrasso, J. A. Delettrez, V. Yu. Glebov, V. N. Goncharov, D. D. Meyerhofer, P. B. Radha, S. Roberts, T. C. Sangster, J. M. Soures, C. Stoeckl, N. Hoffmann, and D. Wilson, “Time Evolution of OMEGA Direct-Drive D³He Capsule Implosions Inferred from Charged-Particle Spectra.”

T. C. Sangster, J. A. Delettrez, R. Epstein, V. Yu. Glebov, D. R. Harding, J. P. Knauer, R. L. Keck, S. J. Loucks, L. D. Lund, R. L. McCrory, P. W. McKenty, F. J. Marshall, D. D. Meyerhofer, S. F. B. Morse, S. P. Regan, P. B. Radha, S. Roberts, W. Seka, S. Skupsky, V. A. Smalyuk, C. Sorce, J. M. Soures, R. P. J. Town, J. A. Frenje, C. K. Li, R. D. Petrasso, F. H. Séguin, K. A. Fletcher, S. Padalino, C. Freeman, N. Izumi, J. A. Koch, R. A. Lerche, M. J. Moran, T. W. Phillips, and G. J. Schmid, “Direct-Drive Cryogenic Target Implosion Performance on OMEGA” (invited).

B. E. Schwartz, F. H. Séguin, J. A. Frenje, R. D. Petrasso, C. K. Li, P. B. Radha, D. D. Meyerhofer, S. Roberts, T. C. Sangster, J. M. Soures, and C. Culligan, “Proton and Alpha Core Imaging Spectroscopy of Direct-Drive OMEGA Implosions.”

F. H. Séguin, R. D. Petrasso, J. A. Frenje, C. K. Li, J. R. Rygg, C. Stoeckl, P. B. Radha, J. A. Delettrez, V. Yu. Glebov, D. D. Meyerhofer, T. C. Sangster, and J. M. Soures, “Time Evolution and Asymmetries of OMEGA Direct-Drive D³He Capsule Implosions Inferred from 3.0- and 14.7-MeV Protons and 3.6-MeV Alphas.”

W. Seka, R. S. Craxton, J. Myatt, A. V. Maximov, D. D. Meyerhofer, S. P. Regan, R. W. Short, A. Simon, C. Stoeckl, R. E. Bahr, and H. Baldis, “SBS in Long-Scale-Length Plasmas for Direct-Drive ICF: Comparing Experiments with Simulations.”

R. W. Short, “A Linear Model of Anomalous Stimulated Raman Scattering and Electron Acoustic Waves in Laser-Produced Plasmas.”

A. Simon and C. Stoeckl, “A Model of Hot-Electron Signals with Overlapping Pump Beams.”

V. A. Smalyuk, J. A. Delettrez, V. Yu. Glebov, V. N. Goncharov, J. P. Knauer, F. J. Marshall, D. D. Meyerhofer, P. B. Radha, S. P. Regan, S. Roberts, T. C. Sangster, S. Skupsky, J. M. Soures, C. Stoeckl, R. P. J. Town, B. Yaakobi, J. A. Frenje, C. K. Li, R. D. Petrasso, F. H. Séguin, D. L. McCrorey, and R. C. Mancini, “Hydrodynamic Growth of Shell Modulations in the Deceleration Phase of Spherical Direct-Drive Implosions” (invited).

J. M. Soures, F. J. Marshall, J. A. Delettrez, V. Yu. Glebov, D. D. Meyerhofer, S. Roberts, T. C. Sangster, J. A. Frenje, C. K. Li, and R. D. Petrasso, “Offset, Direct-Drive, D₂-Filled CH Capsules.”

C. Stoeckl, R. E. Bahr, R. S. Craxton, S. P. Regan, W. Seka, and B. Yaakobi, “Multiple-Beam Effects on the Fast-Electron Generation due to the Two-Plasmon-Decay Instability.”

B. Yaakobi, T. R. Boehly, F. J. Marshall, D. D. Meyerhofer, R. Epstein, B. A. Remington, and S. M. Pollaine, “EXAFS Detection of Shock-Compressed Titanium.”

The following presentations were made at the 6th Workshop on Fast Ignition of Fusion Targets, St. Pete Beach, FL, 16–19 November 2002:

J. A. Delettrez, S. Skupsky, C. Stoeckl, and P. B. Radha, “Transport of Relativistic Electrons for Modeling Fast Ignition in the 2-D Hydrocode *DRACO*.”

J. Myatt, A. V. Maximov, and R. W. Short, “Fast Electron Transport in Dense Plasmas in the Context of Fast-Ignition Studies at LLE.”

C. Stoeckl, J. A. Delettrez, A. V. Maximov, J. Myatt, P. W. McKenty, S. F. B. Morse, L. J. Waxer, T. C. Sangster, D. D. Meyerhofer, and J. D. Kilkenny, “Integrated Fast-Ignitor Experiments on the Proposed OMEGA EP Facility at LLE.”