

LIST OF COLLABORATIVE PUBLICATIONS LABORATORY FOR LASER ENERGETICS

974. H. J. Lee, P. Neumayer, J. Castor, T. Döppner, R. W. Falcone, C. Fortmann, B. A. Hammel, A. L. Kritcher, O. L. Landen, R. W. Lee, D. D. Meyerhofer, D. H. Munro, R. Redmer, S. P. Regan, S. Weber, and S. H. Glenzer, "X-Ray Thomson-Scattering Measurements of Density and Temperature in Shock-Compressed
973. N. P. Kherani, B. Liu, K. Virk, T. Kostas, F. Gaspari, W. T. Shmayda, S. Zukotynski, and K. P. Chen, "Hydrogen Effusion from Tritiated Amorphous Silicon," *J. Appl. Phys.* **103** (2), 024906 (2008).
972. A. Benuzzi-Mounaix, R. Brambrink, B. Barbre, M. Koenig, C. Gregory, B. Loupias, A. Ravasio, M. Rabec le Gloahec, T. Vinci, T. Boehly, T. Endo, T. Kimura, N. Ozaki, H. Wei, Y. Aglitskiy, A. Faenov, and T. Pikuz, "X-Ray Sources for Radiography of Warm Dense Matter," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
971. C. Krauland, C. Kuranz, R. Drake, M. Grosskopf, D. Campbell, and T. Boehly, "Experiments to Assess Preheat in Blast-Wave-Driven Instability Experiments," presented at the 212th Meeting of the American Astronomical Society, St. Louis, MO, 1–5 June 2008.
970. R. S. McWilliams, D. G. Hicks, J. H. Eggert, P. M. Celliers, D. K. Bradley, T. R. Boehly, G. W. Collins, and R. Jenaloz, "High-Pressure Properties of Diamond (Carbon) from Shock-Wave Experiments to 10 Mbar," presented at the American Geophysical Union fall Meeting, San Francisco, CA, 15–19 December 2008.
969. R. P. Drake, "Perspectives on High-Energy-Density Physics," *Phys. Plasmas* **16** (5), 055501 (2009) (invited).
968. E. Brambrink, H. G. Wei, B. Barbre, P. Audebert, A. Benuzzi-Mounaix, T. Boehly, T. Endo, C. Gregory, T. Kimura, R. Kodama, N. Ozaki, H.-S. Park, M. Rabec le Gloahec, and M. Koenig, "X-Ray Source Studies for Radiography of Dense Matter," *Phys. Plasmas* **16** (3), 033101 (2009).
967. J. A. Frenje, C. K. Li, J. R. Rygg, F. H. Séguin, D. T. Casey, R. D. Petrasso, J. Delettrez, V. Yu. Glebov, T. C. Sangster, O. Landen, and S. Hatchett, "Diagnosing Ablator ρR and ρR Asymmetries in Capsule Implosions Using Charged-Particle Spectrometry at the National Ignition Facility," *Phys. Plasmas* **16** (2), 022702 (2009).
966. R. K. Kirkwood, J. Milovich, D. K. Bradley, M. Schmitt, S. R. Goldman, D. H. Kalantar, D. Meeker, O. S. Jones, S. M. Pollaine, P. A. Amendt, E. Dewald,

- J. Edwards, O. L. Landen, and A. Nikroo, "Sensitivity of Ignition Scale Backlit Thin-Shell Implosions to Hohlraum Symmetry in the Foot of the Drive Pulse," *Phys. Plasmas* **16** (1), 012702 (2009).
965. M. Tabak, D. Clark, R. Town, and S. Hatchett, "Hydrodynamic Assembly for Fast Ignition," *Bull. Am. Phys. Soc.* **52** (16), 116 (2007).
 964. J. H. Cooley, L. Welser-Sherrill, D. C. Wilson, H. W. Herrmann, J. M. Mack, S. C. Evans, T. J. Sedillo, C. S. Young, C. J. Horsfield, D. W. Drew, E. K. Miller, V. Yu. Glebov, C. Stoekl, and R. A. Lerche, "Evaluation and Modeling of Burn Reaction Histories Using a Directly Driven Capsule with Two Laser Pulses," *Bull. Am. Phys. Soc.* **52** (16), 65 (2007).
 963. D. G. Hicks, T. R. Boehly, P. M. Celliers, J. H. Eggert, S. J. Moon, D. D. Meyerhofer, and G. W. Collins, "Laser-Driven Single Shock Compression of Fluid Deuterium from 45 to 220 GPa," *Phys. Rev. B* **79**, 014112 (2009).
 962. M. Wei, F. Beg, and R. Stephens, "Hybrid PIC Modeling of Fast Electron Transport and Magnetic Collimation in Low-Z Hot Dense Plasmas Accessible on the Omega EP Laser," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 961. R. P. Drake, "Perspectives on High-Energy-Density Physics," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 960. A. Visco, R. P. Drake, M. J. Grosskopf, S. H. Glenzer, D. H. Froula, and A. B. Reighard, "Measurements of Radiative Shock Properties Using X-Ray Thomson Scattering," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 959. S. T. Prisbrey, R. M. Cavallo, H.-S. Park, and B. A. Remington, "Simulations of a 5 Mbar, Indirect-Drive Strength Platform for Use on the National Ignition Facility," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 958. H.-S. Park, B. Remington, J. Bernier, R. Becker, R. Cavallo, and S. Pollaine, "Study of Material Properties Under Extreme Pressure and Strain Rates Using Laser Driven Ramped Drives," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 957. J. R. Rygg, D. G. Hicks, R. F. Smith, G. W. Collins, O. L. Landen, and T. R. Boehly, "Conductivity Measurements of Multi-Shock Compressed Deuterium," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.

956. T. Nagayama, R. C. Mancini, R. Florido, R. Tommasini, J. A. Koch, J. Delettrez, S. Regan, and V. Smalyuk, "Partially-Space-Integrated Spectra from Spectrally-Resolved Core Image Data," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
955. A. J. Schmitt, J. W. Bates, D. E. Fyee, S. P. Obenschein, S. T. Zalesak, M. Quigey, and R. Betti, "Direct Drive Target Designs for Laser Fusion Energy," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
954. K. Lafortune, L. J. Perkins, and L. Divol, "Shock-Ignited, Sub-MJ, Green-Light, Direct-Drive, ICF Targets Potentially Fieldable on the NIF," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
953. L. J. Perkins, K. Lafortune, L. Divol, and R. Betti, "Shock Ignition: A New Approach to High Gain Targets for the National Ignition Facility," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
952. O. A. Hurricane, J. F. Hansen, H. F. Robey, B. A. Remington, M. J. Bono, E. C. Harding, R. P. Drake, and C. C. Kuranz, "A High Energy Density Shock Driven Kelvin–Helmholtz Shear Layer Experiment," *Phys. Plasmas* **16** (5), 056305 (2009) (invited).
951. C. Kuranz, "Laboratory Blast Wave Driven Instabilities," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
950. A. S. Moore, P. Graham, M. J. Taylor, J. M. Foster, C. Sorce, A. Reighard, S. MacLaren, P. Young, G. Glendinning, B. E. Blue, C. A. Back, and J. Hund, "X-Ray Energy Flow and Radiography Measurements of Evolving Density Perturbations," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
949. D. Bradley, S. Prisbrey, D. Braun, G. Collins, R. Page, J. Edwards, O. Landen, and R. Wallace, "Measurements of X-Ray Radiation Generated During Hohlraum Window Burnthrough," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
948. G. Malinie and C. Boniface, "LMJ Target Design with the A1040 CH-Ignition Capsule in a Cocktail Hohlraum," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
947. M. R. Douglas, B. H. Wilde, B. E. Blue, A. Frank, J. M. Foster, P. A. Rosen, R. Williams, and P. Hartigan, "A Numerical Investigation of Shock Propagation

- Through a Clumpy Medium,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
946. P. A. Rosen, J. M. Foster, B. H. Wilde, R. Coker, B. E. Blue, R. J. R. Williams, F. Hansen, C. Sorce, P. Hartigan, R. Carver, and J. Palmer, “Laboratory Experiments to Study Supersonic Astrophysical Flows Interacting with Clumpy Environments,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 945. A. B. Reighard, P. E. Young, M. Schneider, S. G. Glendinning, M. Foord, K. Lu, W. W. Hsing, R. Wallace, C. Sorce, S. A. MacLaren, and T. Dittrich, “Long-Duration Backlighting Experiments on the Omega Laser,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 944. R. Florido, T. Nagayama, R. C. Mancini, R. Tommasini, J. Delettrez, S. P. Regan, and V. Smalyuk, “Spectroscopic Diagnosis of OMEGA Direct-Drive Low-Adiabatic Implosions,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 943. D. C. Wilson, G. A. Kyrala, J. F. Benage, F. J. Wysocki, J. A. Frenje, V. Yu. Glebov, S. Roberts, and W. J. Garbett, “The Effect of Helium on Burn in Directly Driven Glass Capsules,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 942. J. H. Cooley, H. W. Herrmann, J. M. Mack, C. S. Young, J. Langenbrunner, D. C. Wilson, S. C. Evans, T. J. Sedillo, G. A. Kyrala, C. J. Horsefield, D. W. Drew, W. J. Garbett, E. K. Miller, and V. Yu. Glebov, “Analysis of Directly Driven OMEGA Experiments to Assess the Effect of ^3He on Capsule Implosion and Yield,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 941. S. Glenzer, B. Spears, P. Neumayer, A. Kritcher, T. Doeppner, and O. Landen, “X-Ray Thomson Scattering for Characterization of ICF Capsule Implosions,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 940. H. Robey, “Estimate of Expected Shot-to-Shot Shock Timing Variations on NIF and Their Impact on Implosion Margin,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 939. R. Olson, D. Bradley, P. Celliers, and H. Robey, “Simulation of NIF Ignition Shock Timing Diagnostics,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.

938. R. Berger, L. Divol, R. A. London, D. H. Froula, L. J. Suter, P. Michel, S. Dixit, and S. Glenzer, "Simualtion of Stimulated Raman Scattering from Gas-Filled Hohlräume," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
937. R. London, D. Froula, R. Berger, L. Divol, P. Neumayer, S. Glenzer, and L. Suter, "Design and Analysis of High-Density Laser-Plasma Interaction Experiments," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
936. A. Kritcher, "Ultra-Fast X-Ray Thomson Scattering Measurements on Dense Shock-Compressed Plasmas," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
935. P. Keiter, J. Benage, N. Lanier, H. Tierney, J. Workman, A. Comley, J. Morton, and M. Taylor, "Platform Development of X-Ray Absorption-Based Temperature Measarements Above 100-eV on the OMEGA Laser," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
934. V. M. Ovchinnikov, G. E. Kemp, D. W. Schumacher, L. Van Woerkom, R. R. Freeman, K. U. Akli, R. B. Stephens, T. Bartal, F. N. Beg, T. Ma, C. D. Chen, D. Hey, M. H. Key, S. Le Pape, A. J. Mackinnon, A. G. MacPhee, P. K. Patel, and W. Theobald, "Studies of Fast Electron Coupling Efficiency Using Bookend Targets," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
933. J. Katz, K. O'Connell, K. Fletcher, and E. Pogozeleski, "Reflectivity Measurements of Layering Spheres for Cryogenic ICF Targets," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
932. M. Lowenstern, R. P. Drake, N. Lanier, E. Harding, C. Huntington, J. E. Mucino, and A. Visco, "Performance and Characterization of X-Ray Detection Devices for Laboratory Astrophysics Research," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
931. E. Dewald, J. Milovich, C. Thomas, J. Edwards, O. Jones, R. Kirkwood, N. Izumi, and O. Landen, "Re-Emit Experiments in NIF-Scale Vacuum Hohlräume for Foot Symmetry Tuning of Indirect Drive Ignition Implosions on the NIF," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
930. R. Kirkwood, E. Dewald, J. M. Edwards, J. Milovich, D. H. Kalantar, O. L. Landen, S. R. Goldman, and M. Schmitt, "Drive Symmetry Measurements with Ignition Relevant Conditions Using Large Scale, Be, Thin Shell Capsules on the

- Omega Laser,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
929. J. M. Foster, P. Graham, M. Taylor, A. Moore, C. Sorce, A. Reighard, S. MacLaren, P. Young, G. Glendinning, B. Blue, C. Back, and J. Hund, “Radiation Energy Transport Through Hydrodynamically Evolving Slits,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 928. J. Milovich, M. Edwards, and H. Robey, “Assesing the Effect of Asymmetry During the Foot of the NIF Laser Pulse on Capsule Margin,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 927. V. Tassin, F. Philippe, S. Laffite, L. Videau, M.-C. Monteil, B. Villette, P. Stemmler, S. Bednarczyk, E. Peche, B. Reneaume, and C. Thessieux, “Wall-Shaped Hohlraum Influence on Symmetry and Energetics in Gas-Filled Hohlraums,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 926. R. Petrasso, C. Li, F. Seguin, J. Frenje, M. Manuel, D. Casey, N. Sinenian, P. Amendt, R. Town, O. Landen, A. Nikroo, C. Back, J. Kilkenny, J. Knauer, and J. Soures, “Observation of Large Electric Fields on Laser-Irradiated Gold Hohlraums Due to Cavity Positive Charging,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 925. N. B. Meezan, K. Widmann, C. Sorce, L. J. Suter, F. Girard, and S. P. Regan, “Detailed Simulations of X-Ray Drive in Gas-Filled Hohlraums with Plastic-Lined Laser Entrance Holes,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 924. S. R. Goldman, N. M. Hoffman, G. A. Kyrala, E. S. Dodd, and H. A. Rose, “Laser Propagation Effects and Symmetry at Hohlraum Temperatures of Order 100 eV,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 923. K. Matzen, “Inertial Confinement Fusion: Progress Through Close Coupling of Theory and Experiment,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
 922. A. Casner, G. Huser, M. Vandenboomgaerde, S. Liberatore, L. Masse, and D. Galmiche, “Experimental Tests of Rayleigh-Taylor Stabilization Mechanisms with Long Pulse Gas-Filled Halfraums on OMEGA,” presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.

921. P. A. Amendt, S. C. Wilks, C. K. Li, R. D. Petrasso, and F. H. Seguin, "Studies of Self-Generated Electric Fields in Imploding Capsules: Candidate Origins and Impact on Stability," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
920. F. H. Seguin, C. K. Li, M. Manuel, J. R. Rygg, J. A. Frenje, N. Sinenian, D. Casey, R. D. Petrasso, R. Betti, O. V. Gotchev, J. P. Knauer, F. J. Marshall, D. D. Meyerhofer, T. C. Sangster, and V. A. Smalyuk, "Time Evolution of Self-Generated Electromagnetic Fields Around Imploding ICF Capsules," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
919. C. D. Chen, D. Hey, K. U. Akli, F. N. Beg, H. Chen, R. R. Freeman, A. Link, A. J. Mackinnon, A. G. MacPhee, P. K. Patel, M. Porkolab, R. B. Stephens, and L. D. Van Woerkom, "A Comparison of Ponderomotive Scaling to Hot Electron Slope Temperatures Inferred from Bremsstrahlung Measurements in Short-Pulse Laser Experiments," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
918. D. Clark, P. Amendt, M. Tabak, and R. Town, "Indirect Drive Fast Ignition Target Design for the National Ignition Facility," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
917. N. Izumi, R. P. J. Town, M. J. My, H. F. Robey, D. S. Clark, A. J. Mackinnon, P. A. Amendt, M. H. Key, P. K. Patel, E. Storm, and M. Tabak, "Experimental Evaluation of the X-Ray Preheat of Fast-Ignition Cones," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
916. R. P. J. Town, N. Izumi, D. S. Clark, A. J. Mackinnon, P. A. Amendt, M. H. Key, P. K. Patel, E. Storm, and M. Tabak, "An Assessment of the X-Ray Preheat of Fast-Ignition Cones," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
915. M. Rosen, H. Scott, L. Suter, and S. Hansen, "Improvements in Modeling Au Sphere Non-LTE X-Ray Emission," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
914. B. E. Blue, C. A. Back, J. F. Hund, J. M. Foster, P. A. Rosen, R. J. R. Williams, B. H. Wilde, M. Douglas, R. Carver, J. Palmer, P. Hartigan, and J. F. Hansen, "Shock-Clump Interaction Studies in the Laboratory," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.

913. F. W. Doss, R. P. Drake, H. F. Robey, and C. C. Kuranz, "Radiation Induced Wall-Shocks as Diagnostic Features," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
912. R. Mancini, "Core Temperature and Density Profile Measurements for Inertial Confinement Fusion," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
911. H. Herrmann, "Effects of ^3He Addition on Implosion of DT Capsules on OMEGA," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
910. D. Hicks, "Time-Resolved Measurements of ICF Capsule Ablator Properties by Streaked X-Ray Radiography," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
909. D. Callahan, "Developing an Optimal Ignition Hohlraum for the National Ignition Facility," presented at the 50th Annual Meeting of the APS Division of Plasma Physics, Dallas, TX, 17–21 November 2008.
908. C. K. Li, F. H. Séguin, J. A. Frenje, M. Manuel, R. D. Petrasso, V. A. Smalyuk, R. Betti, J. Delettrez, J. P. Knauer, F. Marshall, D. D. Meyerhofer, D. Shvarts, C. Stoeckl, W. Theobald, J. R. Rygg, O. L. Landen, R. P. J. Town, P. A. Amendt, C. A. Back, and J. D. Kilkenny, "Study of Direct-Drive Capsule Implosions in Inertial Confinement Fusion with Proton Radiography," *Plasma Phys. Control. Fusion* **51**, 014003 (2009).
907. I. L. Tregillis, G. R. Magelssen, N. D. Delamater, M. A. Gunderson, and N. M. Hoffman, "Sensitivity of Double-Shell Ignition Capsules to Asymmetry Drive," *Bull. Am. Phys. Soc.* **52** (16), 365 (2007).
906. J. Workman, P. Keiter, T. Tierney, H. Tierney, K. Belle, G. Magelssen, R. Peterson, C. Fryer, A. Comley, and M. Taylor, "Platform Development of X-Ray Absorption-Based Temperature Measurements Above 100-eV on the OMEGA Laser," *Bull. Am. Phys. Soc.* **52** (16), 365 (2007).
905. G. R. Magelssen, N. D. Delamater, J. J. MacFarlane, and O. L. Landen, "Three-Dimensional Measurements of Early-Time Symmetry in Gas-Filled Hohlraums with the Reemission Ball Technique," *Bull. Am. Phys. Soc.* **52** (16), 364 (2007).
904. M. Olazabal-Loume, J.-L. Feugeas, P. Nicolai, and J. Sanz, "Modelling of Hydrodynamics Instabilities Including the Non Local Heat Transport," *Bull. Am. Phys. Soc.* **52** (16), 364 (2007).
903. P. M. Celliers, D. J. Erskine, S. T. Prisbrey, D. G. Braun, J. B. Richards, C. M. Sorce, G. W. Collins, R. J. Wallace, O. L. Landen, and A. Nikroo,

- “Measurements of the Non-Uniformities Seeded by NIF Ignition Capsule Ablator Materials,” *Bull. Am. Phys. Soc.* **52** (16), 357 (2007).
902. A. Casner, G. Huser, B. Villette, M. Vandenboomgaerde, D. Galmiche, S. Liberatore, F. Philippe, and L. Masse, “Long Pulse Gas-Filled Halfraums on OMEGA for High Growth-Factor Ablative Rayleigh-Taylor Experiments,” *Bull. Am. Phys. Soc.* **52** (16), 356 (2007).
 901. F. Philippe, V. Tassin, S. Laffite, M.-C. Monteil, J. Bastian, L. Lours, B. Villette, P. Stemmler, S. Bednarczyk, B. Reneaume, P. Di Nicola, and V. Raffin, “Experimental Comparison of Symmetry in Rugby and Cylindrical Hohlraums,” *Bull. Am. Phys. Soc.* **52** (16), 356 (2007).
 900. P. Keiter, “Radiation Transport Through Inhomogeneous Materials,” *Bull. Am. Phys. Soc.* **52** (16), 352 (2007) (invited).
 899. A. B. Reighard, P. E. Young, M. D. Rosen, J. H. Hammer, W. S. Hsing, S. G. Glendinning, R. E. Turner, R. Kirkwood, J. Schein, C. Sorce, J. Satcher, A. Hamza, G. Nyce, O. Landen, S. McAlpin, M. Stevenson, and B. Thomas, “Experimental Demonstration of Increased Radiation Temperature Using Foam-Walled Hohlraums,” *Bull. Am. Phys. Soc.* **52** (16), 318 (2007).
 898. I. L. Tregillis, N. M. Hoffman, and N. D. Delamater, “Using Symcaps as Ignition Capsule Replicas for Diagnosing Symmetry at NIF,” *Bull. Am. Phys. Soc.* **52** (16), 318 (2007).
 897. N. Hoffman, R. Goldman, G. Kyrala, and A. Seifter, “Demonstrating Control of Symmetry Capsule Implosions in Omega Experiments Using NIF 0.7-Scale Hohlraums,” *Bull. Am. Phys. Soc.* **52** (16), 318 (2007).
 896. N. D. Delamater, D. C. Wilson, G. A. Kyrala, E. S. Dodd, A. Seifter, N. M. Hoffman, D. W. Schmidt, V. Glebov, C. Stoeckl, C. K. Li, and J. A. Frenje, “Calculations for Omega Symmetry Capsule Implosion Experiments in ~0.2 NIF Scale High Temperature Hohlraums,” *Bull. Am. Phys. Soc.* **52** (16), 317–318 (2007).
 895. R. K. Kirkwood, E. Dewald, D. Meeker, J. Milovich, D. H. Kalantar, O. L. Landen, S. R. Goldman, M. Schmitt, and B. B. Afeyan, “Implosion of Large Scale, Be, Thin Shell Capsules on Omega, Under NIC Conditions,” *Bull. Am. Phys. Soc.* **52** (16), 317 (2007).
 894. E. Dewald, J. Milovich, J. Edwards, C. Thomas, D. Kalantar, D. Meeker, and O. Jones, “Development of the Re-Emit Technique for ICF Foot Symmetry Tuning for Indirect Drive Ignition on NIF,” *Bull. Am. Phys. Soc.* **52** (16), 316–317 (2007).

893. S. T. Prisbrey, D. K. Bradley, D. G. Braun, O. L. Landen, and J. H. Eggert, "X-Ray Induced Preheat in Indirect Drive Candidate Ablators for the NIF," *Bull. Am. Phys. Soc.* **52** (16), 316 (2007).
892. P. Neumayer, "Suppression of Stimulated Brillouin Scattering in Multiple-Ion Species Inertial Confinement Fusion Hohlraum Plasmas," *Bull. Am. Phys. Soc.* **51** (16), 274 (2007) (invited).
891. L. Divol, "Predictive Modeling of Omega Laser Plasma Interaction Experiment," *Bull. Am. Phys. Soc.* **52** (16), 274 (2007) (invited).
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