

ICF Semiannual Pubs List, October '04 – March '05, Vol 6, No. 1

A

J. J. Adams, LLNL; T. L. Weiland, LLNL; J. R. Stanley, LLNL; W. D. Sell, LLNL; R. L. Luthi, LLNL; J. L. Vickers, LLNL; C. W. Carr, LLNL; M. D. Feit, LLNL; A. M. Rubenchik, LLNL; M. L. Spaeth, LLNL; R. P. Hackel, LLNL; *Pulse length dependence of laser conditioning and bulk damage in KD₂PO₄*, UCRL-PROC-207946, Boulder Damage Symposium XXXVI, Annual Symposium on Optical Materials for High Power Lasers, 9/20/04-9/22/04, Boulder, CO.

J. P. Armstrong, LLNL; B. C. Stuart, LLNL; A. M. Rubenchik, LLNL; R. L. McEachern, LLNL; *High Aspect Ratio Hole Drilling For Beryllium Target Fill Applications*, UCRL-POST-207838, 11/10/04.

P. A. Arnold, LLNL; C. W. Ollis, LLNL; A. Hines, LLNL; E. S. Fulkerson, LLNL; F. Barbosa, LLNL; K. A. Primdahl, LLNL; J. Watson, LLNL; R. Chapman, LLNL; *Pulsed Power Aspects of a Large Aperture Plasma Electrode Pockels Cells in the National Ignition Facility*, UCRL-ABS-209701, IEEE International Pulsed Power Conference, 6/13/05–6/17/05, Monterey, CA.

A. A. S. Awwal, LLNL; *Two-Step Position Detection for NIF Automatic Alignment*, UCRL-PRES-208084, 11/18/04.

A. A. S. Awwal, LLNL; W. A. McClay, LLNL; J. V. Candy, LLNL; H. E. Jones, LLNL; K. Wilhelmsen, LLNL; S. W. Ferguson, LLNL; S. C. Burkhart, LLNL; M. G. Miller, LLNL; E. S. Bliss, LLNL; J. T. Salmon, LLNL; P. J. Van Arsdall, LLNL; M. W. Bowers, LLNL; E. S. Bliss, LLNL; J. T. Salmon, LLNL; P. J. Van Arsdall, LLNL; M. W. Bowers, LLNL; *Intelligent, High Precision, Fault-Tolerant Automated Alignment of Laser Beams*, UCRL-MI-210021, 2/26/05.

A. A. S. Awwal, LLNL; W. A. McClay, LLNL; J. V. Candy, LLNL; H. E. Jones, LLNL; K. Wilhelmsen, LLNL; S. W. Ferguson, LLNL; S. C. Burkhart, LLNL; M. G. Miller, LLNL; E. S. Bliss, LLNL; J. T. Salmon, LLNL; P. J. Van Arsdall, LLNL; M. W. Bowers, LLNL; *Intelligent, High Precision, Fault-Tolerant Automated Alignment of Laser Beams*, UCRL-VIDEO-210063, 3/1/05.

S. G. Azevedo, LLNL; L. M. Kegelmeyer, LLNL; J. A. Liebman, LLNL; S. W. Ferguson, LLNL; E. S. Bliss, LLNL; J. T. Salmon, LLNL; A. D. Conder, LLNL; S. M. Glenn, LLNL; M. Bezuijen, Delft University, Delft, The Netherlands; J. J. Chang, LLNL; R. R. Prasad, LLNL; V. J. Miller-Kamm, LLNL; S. C. Burkhart, LLNL; *National Ignition Facility (NIF) Laser Optics Inspection*, UCRL-ABS-209538, SPIE Optics and Photonics 2005, 7/31-8/4/05, San Diego, CA. C. A. Back, LLNL; U. Feldman, Naval Research Laboratory; J. L. Weaver, Naval Research Laboratory; J. Seely, Naval Research Laboratory; C. Constantin, LLNL; G. Holland, Naval Research Laboratory; R. W. Lee, LLNL; H. K. Chung, LLNL; H. A. Scott, LLNL; *Absolute, time-resolved emission of non-LTE L-shell spectra from Ti-doped aerogels*, UCRL-ABS-206965, Radiative Properties of Hot Dense Matter, 11/1/04–11/5/04, Santa Barbara, CA.

B

C. A. Back, LLNL; U. Feldman, Naval Research Laboratory; J. L. Weaver, Naval Research Laboratory; J. Seely, Naval Research Laboratory; G. Holland, Naval Research Laboratory; R. W. Lee, LLNL; H.-K. Chung, LLNL; H. A. Scott, LLNL; *Absolute, time-resolved emission of non-LTE L-shell spectra from Ti-doped Aerogels*, UCRL-PRES-207765, 11/6/04.

C. A. Back, LLNL; J. H. Hammer, LLNL; J. I. Castor, LLNL; S. A. MacLaren, LLNL; O. A. Hurricane, LLNL; C. Constantin, LLNL; O. L. Landen, LLNL; T. Dittrich, LLNL; B. A. Remington, LLNL; M. D. Rosen, LLNL; *Experimental Investigation of a Radiation-Dominated Decaying Shock Wave*, UCRL-PRES-208043, 11/16/04.

C. A. Back, LLNL; R. Tomassini, LLNL; S. G. Glendinning, LLNL; M. D. Rosen, LLNL; *Improving the localization and temporal duration of multi-keV x-ray sources*, UCRL-ABS-209259, SPIE Conference OE1302 on Laser-Generated and Other Laboratory X-Ray and EUV Sources, Optics, and Applications, 7/31/05–8/4/05, San Diego, CA.

C. A. Back, LLNL; *High-Energy Density Laboratory Experiments using High-Powered Lasers*, UCRL-PRES-209479, 2/8/05.

K. Barat, LLNL; *Laser Safety Inspection Criteria*, UCRL-PROC-210017, International Laser Safety Conference, 3/5/05–3/10/05, Marina Del Rey, CA.

K. Barat, LLNL; Lessons Learned Class, UCRL-PROC-210018, International Laser Safety Conference, 3/5/05–3/10/05, Marina Del Rey, CA.

C. Barrera, UC Berkeley; E. C. Morse, UC Berkeley; J. Koch, LLNL; M. Moran, LLNL; *Study of Organic Scintillators for Neutron Imaging*, UCRL-ABS-210111, The 32nd IEEE International Conference on Plasma Science, 6/18/05–6/23/05, Monterey, CA.

Carlos Barrera, UC Berkeley; Edward Morse, UC Berkeley; Jeffrey Koch, LLNL; Michael Moran, LLNL; *Simulation and Analysis of Pinholes for Neutron Imaging*, UCRL-PRES-207775, 11/8/04.

C. P. J. Barty, LLNL; *Fluorescence Imaging in the Nuclear Domain*, UCRL-TR-210425, 3/11/05.

A. J. Bayramian, LLNL; P. Armstrong, LLNL; R. J. Beach, LLNL; C. Bibeau, LLNL; R. Campbell, LLNL; C. A. Ebberts, LLNL; B. L. Freitas, LLNL; T. Ladran, LLNL; J. Menapace, LLNL; S. A. Payne, LLNL; N. Peterson, LLNL; K. I. Schaffers, LLNL; C. Stolz, LLNL; S. Telford, LLNL; J. B. Tassano, LLNL; E. Utterback, LLNL; *System Operations of Mercury: A Diode-Pumped Solid-State Laser*, UCRL-ABS-208957, Conf. on Lasers & Electro-Optics European Quantum Electronics, 6/12/05–6/17/05, Munich, Germany.

A. J. Bayramian, LLNL; J. P. Armstrong, LLNL; R. J. Beach, LLNL; C. Bibeau, LLNL; J. W. Dawson, LLNL; B. L. Freitas, LLNL; R. A. Kent, LLNL; A. S. Ladrán, LLNL; S. A. Payne, LLNL; K. I. Schaffers, LLNL; *Activation of a Temporal, Spectral, and Spatially-Shaped Front End for the Mercury Laser*, UCRL-POST-209583, 2/10/05.

R. H. Bayramian, LLNL; *Diode Pumped Alkali Vapor Lasers--A New Pathway to High Beam Quality at High Average Power*, UCRL-ABS-209171, Solid State and Diode Laser Technology Review, 6/7/05–6/9/05, Los Angeles, CA.

T. P. Bernat, LLNL; *New Options and Challenges in Ignition Target Fabrication and Fielding*, UCRL-PRES-207948, 11/12/04.

M. Bezuijen, LLNL; L. M. Kegelmeyer, LLNL; J. Liebman, LLNL; *Efficient Detection of Objects of Unknown Size and Shape in Noisy Images*, UCRL-ABS-207500, Signal and Imaging Sciences Workshop, 11/18/04–11/19/04, Livermore, CA.

P. J. Bilotft, LLNL; *Vacuum Technology*, UCRL-BOOK-207375, 10/20/04.

P. J. Bilotft, LLNL; *I-TIC E-Drawing*, UCRL-MI-209781, 2/17/05.

D. Bittner, General Atomics; J. Burmann, General Atomics; J. Moody, LLNL; W. Unites, LLNL; *Layer Formation at Low IR Heating Rates*, UCRL-PRES-207841, 11/10/04.

D. N. Bittner, Schafer Corporation; J. D. Sater, LLNL; J. Pipes, LLNL; *D-T Absorption Coefficient Measurements*, UCRL-ABS-210817, The Sixteenth Target Fabrication Specialists Meeting, 5/1/05–5/5/05, Scottsdale, AZ.

B. E. Blue, LLNL; S.V. Weber, LLNL; S.G. Glendinning, LLNL; N.E. Lanier, Los Alamos National Laboratory; D.T. Woods, LLNL; M.J. Bono, LLNL; S.N. Dixit, LLNL; C.A. Haynam, LLNL; J.P. Holder, LLNL; D.H. Kalantar, LLNL; B.J. MacGowan, LLNL; A.J. Nikitin, LLNL; V.V. Rekow, LLNL; B.M. Van Wonterghem, LLNL; E.I. Moses, LLNL; P.E. Stry, LLNL; B.H. Wilde, Los Alamos National Laboratory; W.W. Hsing, LLNL; H.F. Robey, LLNL; *Experimental investigation of high mach number 3D hydrodynamic jets at the National Ignition Facility*, UCRL-JRNL-207134, *Physical Review Letters*, 10/11/04.

B. E. Blue, LLNL; *Three-Dimensional Hydrodynamic Experiments at the National Ignition Facility*, UCRL-PRES-207796, 11/8/04.

B. E. Blue, LLNL; S. V. Weber, LLNL; S.G. Glendinning, LLNL; N.E. Lanier, Los Alamos National Laboratory; D.T. Woods, LLNL; M.J. Bono, LLNL; S.N. Dixit, LLNL; C.A. Haynam, LLNL; J.P. Holder, LLNL; D.H. Kalantar, LLNL; B.J. MacGowan, LLNL; E.I. Moses, LLNL; A.J. Nikitin, LLNL; V.V. Rekow, LLNL; R. Wallace, LLNL; B.M. Van Wonterghem, LLNL; P.A. Rosen, AWE; J.M. Foster, AWE; P.E. Stry, LLNL; B.H. Wilde, Los Alamos National Laboratory; W.W. Hsing, LLNL; H.F. Robey, LLNL; *Three-Dimensional Hydrodynamics Experiments on the National Ignition Facility*, UCRL-CONF-208083, 46th Annual Meeting of the Division of Plasma Physics, 11/15/04–11/19/04, Savannah, GA.

B. E. Blue, LLNL; H. F. Robey, LLNL; S. G. Glendinning, LLNL; M. J. Bono, LLNL; S. N. Dixit, LLNL; J. M. Foster, AWE Aldermaston; C. A. Haynam, LLNL; J. P. Holder, LLNL; W. W. Hsing, LLNL; D. H. Kalantar, LLNL; N. E. Lanier, Los Alamos National Laboratory; B. J. MacGowan, LLNL; E. I. Moses, LLNL; A. J. Nikitin, LLNL; T. S. Perry, LLNL; V. V. Rekow,

LLNL; P. A. Rosen, AWE Aldermaston; P. E. Stry, LLNL; B. M. Van Wonterghem, LLNL; R. Wallace, LLNL; S. V. Weber, LLNL; B. H. Wilde, Los Alamos National Laboratory; D. T. Woods, LLNL; *Three-Dimensional Hydrodynamic Experiments on the National Ignition Facility*, UCRL-CONF-209827, 46th Annual Meeting of the Division of Plasma Physics (DPP), 11/15/04-11/19/04, Savannah, GA.

B.E. Blue, LLNL; H.F. Robey, LLNL; G. Glendenning, LLNL; M. J. Bono, LLNL; S. N. Dixit, LLNL; J. M. Foster, LLNL; C. A. Haynam, LLNL; J. P. Holder, LLNL; W. W. Hsing, LLNL; D. H. Kalantar, LLNL; N. E. Lanier, LLNL; B. J. MacGowan, LLNL; E. I. Moses, LLNL; A. J. Nikitin, LLNL; T. S. Perry, LLNL; V. V. Rekow, LLNL; P. A. Rosen, LLNL; P. E. Stry, LLNL; B. M. Van Wonterghem, LLNL; R. Wallace, LLNL; S. V. Weber, LLNL; B. H. Wilde, LLNL; D. T. Woods, LLNL; *Three-Dimensional Hydrodynamic Experiments on the National Ignition Facility*, UCRL-ABS-210802, The 4th International Conference on Inertial Fusion Sciences, 9/4/05–9/9/05, Biarritz, France.

C. D. Boley, LLNL; A. M. Rubenchik, LLNL; *Modeling of the Initiation of High-Explosive Targets by Solid State Heat Capacity Lasers*, UCRL-PRES-207230, 10/14/04.

G. E. Bonanno, LLNL; *Overview of LLNL and the NIF*, UCRL-PRES-208236, 11/30/04.

M. Borghesi, The Queen's University of Belfast (United Kingdom); A. J. Mackinnon, LLNL; D. H. Campbell, Imperial College (United Kingdom); D. G. Hicks, LLNL; S. Kar, The Queen's University of Belfast (United Kingdom); P. K. Patel, LLNL; D. Price, LLNL; L. Romagnani, The Queen's University of Belfast (United Kingdom); A. Schiavi, Universita La Sapienza (Italy); O. Willi, Heinrich-Heine-Universitat (Germany); *Multi-MeV Proton Source Investigations in Ultraintense Laser-Foil Interactions*, UCRL-JRNL-210072, *Physical Review Letters*, 3/1/05.

M. Borghesi, The Queen's University of Belfast (United Kingdom); A. Schiavi, The Blackett Laboratory (United Kingdom); D. H. Campbell, The Blackett Laboratory (United Kingdom); M. G. Haines, The Blackett Laboratory (United Kingdom); O. Willi, Heinrich-Heine-Universitat (Germany); A. J. Mackinnon, LLNL; P. Patel, LLNL; M. Galimberti, Istituto per i Processi Chimico-Fisici (Italy); A. Gizzi, Istituto per i Processi Chimico-Fisici (Italy); *Proton imaging detection of transient electromagnetic fields in laser-plasma interactions* (invited), UCRL-JRNL-210073, *Review of Scientific Instruments*, 3/1/05.

M. Borghesi, The Queen's University of Belfast (United Kingdom); L. Romagnani, The Queen's University of Belfast (United Kingdom); A. Schiavi, Imperial College (United Kingdom); D. H. Campbell, Imperial College (United Kingdom); M. G. Haines, Imperial College (United Kingdom); A. J. Mackinnon, LLNL; M. Galimberti, Istituto per i Processi Chimico-Fisici (Italy); L. Gizzi, Istituto per i Processi Chimico-Fisici (Italy); R. J. Clarke, Ruthrford Appleton Laboratory (United Kingdom); S. Hawkes, Ruthrford Appleton Laboratory (United Kingdom); *Measurement of highly transient electrical charging following high-intensity laser-solid interaction*, UCRL-JRNL-210640, *Applied Physics Letters*, 3/18/05.

C

K. M. Campbell, LLNL; J. Schein, LLNL; E. L. Dewald, LLNL; R. E. Turner, LLNL; O. L. Landen, LLNL; S. H. Glenzer, LLNL; *NIF Dante Soft X-Ray Diagnostic Fielding and Analysis*, UCRL-ABS-210193, IEEE International Conference on Plasma Physics (ICOPS), 6/18/05–6/23/05, Monterey, CA.

J. V. Candy, LLNL; W. A. McClay, LLNL; A. A. S. Awwal, LLNL; S. W. Ferguson, LLNL; S. C. Burkhart, LLNL; *Detection and Classification of Off-Normal Images During Automatic Alignment of High Energy Laser Beams*, UCRL-JRNL-210693, *Journal of Optical Society of America*, 3/21/05.

B. Y. Cao, Univ. of CA San Diego; M. A. Meyers, Univ. of CA San Diego; D. H. Lassila, LLNL; M. S. Schneider, Univ. of CA San Diego; B. K. Kad, Univ. of CA San Diego; C. X. Huang, Shenyang National Laboratory for Materials Science; Y. B. Xu, Shenyang National Laboratory for Materials Science; D. H. Kalantar, LLNL; B. A. Remington, LLNL; *Effect of Shock Compression Method on the Defect Substructure in Monocrystalline Copper*, UCRL-PROC-210194, TMS 2005 134th Annual Meeting & Exhibition, 2/13/05–2/17/05, San Francisco, CA.

C. W. Carr, LLNL; M. D. Feit, LLNL; J. J. Muyco, LLNL; A. M. Rubenchik, LLNL; *Effect on scattering of complex morphology of DKDP bulk damage sites*, UCRL-PROC-207879, Boulder Damage Symposium XXXVI Annual Symposium, 9/20/04–9/22/04, Boulder, CO.

C. W. Carr, LLNL; M. D. Feit, LLNL; A. M. Rubenchik, LLNL; P. Demange, LLNL; S. Kucheyev, LLNL; M. D. Shirk, LLNL; H. B. Radousky, LLNL; S. G. Demos, LLNL; *The Nature of Emission from Optical Breakdown Induced by Pulses of fs and ns Duration*, UCRL-PROC-207943, Boulder Damage Symposium XXXVI Annual Symposium, 9/20/04–9/22/04, Boulder, CO.

K.C. Chen, General Atomics; N. Vermaak, General Atomics; A. Nikroo, General Atomics; M. Takagi, LLNL; K. Day, LLNL; S. Letts, LLNL; R. Cook, LLNL; *CH Shell Development For The National Ignition Facility*, UCRL-PRES-208044, 11/16/04.

D. H. Cohen, Dept. of Physics and Astronomy, Swarthmore, College, Pennsylvania; O. L. Landen, LLNL; J. J. MacFarlane, Prism Computational Sciences, Madison, Wisconsin; *Numerical Modeling of Hohlraum Radiation Conditions: Spatial and Spectral Variations due to Sample Position, Beam Pointing, and Hohlraum Geometry*, UCRL-JRNL-209412, *Physics of Plasmas*, 2/4/05.

C. Constantin, LLNL; C. Niemann, LLNL; C. A. Back, LLNL; K. B. Fournier, LLNL; D. H. Froula, LLNL; S. H. Glenzer, LLNL; D. Price, LLNL; F. Esparza, LLNL; M. Saculla, LLNL; J. Satariano, LLNL; M. Uri, LLNL; A. Ng, LLNL; D. Hargrove, LLNL; O. L. Landen, LLNL; *X-ray production measurements in an underdense, laser irradiated plasma*, UCRL-PRES-207792, 11/8/04.

C. Constantin, LLNL; C. A. Back, LLNL; K. B. Fournier, LLNL; G. Gregori, LLNL; O. L. Landen, LLNL; S. H. Glenzer, LLNL; E. L. Dewald, LLNL; M. C. Miller, Los Alamos National Laboratory; *Supersonic propagation of ionization waves in an under-dense, laser-produced plasma*, UCRL-JRNL-207776, *Physics of Plasmas*, 11/8/04.

R. C. Cook, LLNL; *Be Shell Wall Thickness By SEM Analysis*, UCRL-TR-210904, 3/30/05.

R. C. Cook, LLNL; J. Gunther, LLNL; *Oxidation of Be at Elevated Temperature*, UCRL-TR-207163, 10/12/04.

R. C. Cook, LLNL; *Hole Drilling Breakthrough in Be Shells*, UCRL-TR-207164, 10/12/04.

R. C. Cook, LLNL; *Capsule Target Development for the NIF*, UCRL-PRES-207806, 11/9/04.

R. C. Cook, LLNL; S. Letts, LLNL; A. Nikroo, General Atomics; A. Nobile, Los Alamos National Laboratory; M. McElfresh, LLNL; J. Cooley, Los Alamos National Laboratory; D. Alexander, Los Alamos National Laboratory; *Preliminary Evaluation of Techniques to Fabricate Beryllium, Polyimide, and Ge-doped CH/CD Ablator Materials*, UCRL-TR-208476, 12/8/04.

R. C. Cook, LLNL; M. McElfresh, LLNL; C. Alford, LLNL; E. Fought, LLNL; S. Letts, LLNL; *Attempts to Produce D₂-Gas-Filled Be Shells*, UCRL-TR-209263, 1/28/05.

R. C. Cook, LLNL; *Required Be Capsule Strength For Room Temperature Transport*, UCRL-TR-210781, 3/24/05.

R. C. Cook, LLNL; *Density Measurements of Be Shells*, UCRL-TR-210020, 2/26/05.

R. L. Costa, LLNL; *Gating Detector Assembly*, UCRL-MI-210156, 3/2/05.

D

L. S. Dauffy, LLNL; G. J. Schmid, LLNL; R. A. Lerche, LLNL; *Saturation of CVD Diamond Detectors*, UCRL-ABS-210069, The 32nd IEEE International Conference on Plasma Science, 6/18/05–6/23/05, Monterey, CA.

A. DeWald, LLNL; *Measurement of residual stresses induced by laser peening*, UCRL-PRES-207897, 11/11/04.

E. L. Dewald, LLNL; S. M. Pollaine, LLNL; O. Landen, LLNL; R. E. Turner, LLNL; R. J. Wallace, LLNL; P. A. Amendt, LLNL; K. M. Campbell, LLNL; S. H. Glenzer, LLNL; *Studies of gas hydro-coupling effects on capsule compression symmetry in gas-filled hohlraums for indirect drive ICF*, UCRL-PRES-207867, 11/10/04.

E. L. Dewald, LLNL; O. Landen, LLNL; L. Suter, LLNL; *First hohlraum experiments on NIF - Long Pulse Vacuum Hohlraum Performance on NIF*, UCRL-PRES-207782, 11/8/04.

E. L. Dewald, LLNL; L. J. Suter, LLNL; O. L. Landen, LLNL; J. Schein, LLNL; K. Campbell, LLNL; M. S. Schneider, LLNL; J. Holder, LLNL; S. H. Glenzer, LLNL; J. W. McDonald, LLNL; C. Niemann, LLNL; A. J. Mackinnon, LLNL; D. H. Kalantar, LLNL; C. Haynam, LLNL; S. Dixit, LLNL; J. Foster, AWE; *First Hohlraum Experiments at the National Ignition Facility*, UCRL-ABS-210082, 32nd IEEE International Conference on Plasma Science, 6/18/05–6/23/05, Monterey, CA.

Laurent Divol, LLNL; C. Niemann, LLNL; D. Froula, LLNL; S. Glenzer, LLNL; G. Gregori, LLNL; O. Jones, LLNL; R. Kirkwood, LLNL; A. Mackinnon, LLNL; N. Meezan, LLNL; J. Moody, LLNL; S. Sorce, LLNL; L. Suter, LLNL; E. Williams, LLNL; R. Bahr, Laboratory for Laser Energetics, Rochester; W. Seka, Laboratory for Laser Energetics, Rochester; *Experiments on green laser plasma interaction in large-scale length plasmas*, UCRL-PRES-207525, 10/28/04.

L. Divol, LLNL; *LPI experiments in long-scale length plasmas at NIF*, UCRL-PRES-207523, 10/27/04.

L. Divol, LLNL; G. Bradsley, LLNL; R.L. Berger, LLNL; G. Bonanno, LLNL; T. Borger, LLNL; D. E. Bower, LLNL; M. Bowers, LLNL; R. Bryant, LLNL; S. Buckman, LLNL; S.C. Burkhart, LLNL; K. Campbell, LLNL; M.P. Chrisp, LLNL; B.I. Cohen, LLNL; C. Constantin, LLNL; F. Cooper, LLNL; J. Cox, LLNL; E. Dewald, LLNL; S. Dixit, LLNL; J. Duncan, LLNL; D. Eder, LLNL; J. Edwards, LLNL; G. Erbert, LLNL; B. Felker, LLNL; J. Fornes, LLNL; G. Frieders, LLNL; D.H. Froula, LLNL; S. D. Gardner, LLNL; C. Gates, LLNL; M Gonzalez, LLNL; S. Glenzer, LLNL; S. Grace, LLNL; G. Gregori, LLNL; A. Greenwood, LLNL; T. Hall, LLNL; B.A. Hammel, LLNL; C. Haynam, LLNL; G. Heestand, LLNL; M. Henesian, LLNL; G. Hermes, LLNL; D. Hinkel, LLNL; J. Holder, LLNL; F. Holdener, LLNL; G. Holtmeier, LLNL; S. Huber, LLNL; T. James, LLNL; S. Johnson, LLNL; O.S. Jones, LLNL; D. Kalantar, LLNL; J.H. Kamperschroer, LLNL; R. Kauffman, LLNL; T. Kelleher, LLNL; J. Knight, LLNL; R.K. Kirkwood, LLNL; W.L. Kruer, LLNL; W. Labiak, LLNL; O.L. Landen, LLNL; A.B. Langdon, LLNL; S. Langer, LLNL; D. Latray, LLNL; A. Lee, LLNL; F.D. Lee, LLNL; D. Lund, LLNL; B. MacGowan, LLNL; S. Marshall, LLNL; J. McBride, LLNL; T. McCarville, LLNL; L. McGrew, LLNL; A.J. Mackinnon, LLNL; S. Mahavandi, LLNL; K. Manes, LLNL; C. Marshall, LLNL; E. Mertens, LLNL; G. Miller, LLNL; S. Montelongo, LLNL; J.D. Moody, LLNL; E. Moses, LLNL; D. Munro, LLNL; J. Murray, LLNL; J. Neumann, LLNL; M. Newton, LLNL; E. Ng, LLNL; C. Niemann, LLNL; A. Nikitin, LLNL; P. Opsahl, LLNL; E. Padilla, LLNL; T. Parham, LLNL; G. Parrish, LLNL; C. Petty, LLNL; M. Polk, LLNL; C. Powel, LLNL; I. Reinbachs, LLNL; V. Rekow, LLNL; R. Rinnert, LLNL; B. Riordan, LLNL; M. Rhodes, LLNL; V. Roberts, LLNL; H. Robey, LLNL; G. Ross, LLNL; S. Sailors, LLNL; *Recent LPI experiments in long (>2 mm) hot (> 2keV) plasmas*, UCRL-PRES-210526, 3/15/05.

E

D. Eder, LLNL; R. Anderson, LLNL; A. Koniges, LLNL; B. MacGowan, LLNL; P. Wang, LLNL; *New Application Arenas for ALE Codes*, UCRL-PRES-209563, 2/10/05.

F

S.W. Ferguson, LLNL; O. Hafiz, LLNL; *NIF Beam Noise - Characterization and Simulation*, UCRL-PRES-208149, 11/22/04.

J. M. Foster, AWE Aldermaston, Reading, RG7 4PR; B. H. Wilde, Los Alamos National Laboratory; P. A. Rosen, AWE Aldermaston, Reading, RG7 4PR; T. S. Perry, LLNL; A. M. Khokhlov, Department of Astronomy and Astrophysics, University of Chicago, Chicago, IL; R. F. Coker, Los Alamos National Laboratory; A. Frank, Department of Physics and Astronomy, University of Rochester, Rochester, NY; P. A. Keiter, Los Alamos National Laboratory; B. E. Blue, LLNL; R. P. Drake, Department of Atmospheric, Oceanic and Space Sciences, University of Michigan, Ann Arbor, MI; J. P. Knauer, Laboratory for Laser Energetics, University of Rochester, Rochester, NY; R. J. R. Williams, AWE Aldermaston, Reading, RG7 4PR; *High-Energy-Density, Laboratory-Astrophysics Studies of Jets and Bow Shocks*, UCRL-JRNL-209233, 1/27/05, The Astrophysical Journal Letters.

G

C. Gibson, General Atomics; V. Brugman, LLNL; J. Williams, LLNL; *Preliminary Design of the NIF Cryogenic Target System*, UCRL-ABS-209172, Cryogenic Engineering Conference, 8/29/05–9/2/05, Keystone, CO.

S. G. Glendinning, LLNL; *Experiments at Extreme States – X-Games Physics on the National Ignition Facility*, UCRL-ABS-209177, 1/24/05.

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