


“Laser-Induced Refractive Index Change in Ophthalmic Hydrogels: Scaling to High-Speed Writing in the Single-Shot Limit,” Z. A. Manning, W. R. Donaldson, and W. H.
Knox, presented at the Optica Nonlinear Optics Topical Meeting, Honolulu, HI, 10–13 July 2023.


“Developing an ab initio Quality Potential for Molecular Dynamics Simulations of Deuterium Under Inertial Confinement Fusion Conditions,” J. D’Souza and S. Zhang,


“Ultrashort Probe Development at LLE: Laser-Driven Radiation and Particle Sources,” K. Weichman, S.-W. Bahk, I. A. Begishev, R. Boni, J. Bromage, G. W. Collins,


“LLE in FY25 (2nd Year of the Cooperative Agreement),” C. Deeney, presented at the Office of Experimental Sciences Executive Meeting, Livermore, CA, 2 March 2023.


“FLASH Simulations that Model Laser-Driven Plasma Experiments Aiming to Study Second Order Fermi Acceleration at the GSI Helmholtz Centre for Heavy Ion


“Characterization of the OMEGA Laser System On-Shot, Focal-Spot Uniformity and Wavefront,” L. J. Waxer, S. Sampat, M. Heimbueger, S.-W. Bahk, K. A. Bauer,


2022


Palastro, presented at the 64th American Physical Society Division of Plasma Physics, Spokane, WA, 17–21 October 2022.


“Omega User Programs Update and Perspective on FY22 OLUG Findings and Recommendations Status.” M. S. Wei and S. F. B. Morse, presented at the 64th American Physical Society Division of Plasma Physics, Spokane, WA, 17–21 October 2022.


Celliers, presented at the 64th American Physical Society Division of Plasma Physics, Spokane, WA, 17–21 October 2022.


“Commissioning and Performance of MTW-OPAL, an All-OPCPA System,”
J. Bromage, S.-W. Bahk, M. Bedzyk, I. A. Begishev, S. Bucht, C. Dorrer, C. Feng, B. N.
Hoffman, C. Jeon, C. Mileham, J. B. Oliver, A. Raymond, R. G. Roides, E. M. Schiesser,
presented at the International Committee on Ultrahigh-Intensity Lasers, Jeju,
South Korea, 18–23 September 2022.

“Experimental Verification of Pump Wavefront Transfer in an Optical Parametric Amplifier,”
S.-W. Bahk, I. A. Begishev, R. Roides, C. Mileham, R. Cuffney, C. Feng, B. Webb, C. Jeon,
M. Spilatro, S. Bucht, C. Dorrer, and J. Bromage, presented at the International Committee on
Ultrahigh-Intensity Lasers, Jeju, South Korea, 18–23 September 2022.

“Single-Shot Wavefront Characterization of High-Energy Focal Spots in the OMEGA Target
Chamber Using a Phase Diversity Grating,” S.-W. Bahk, S. Sampat, M. Heimbueger,
J. Kwiatkowski, K. A. Bauer, and L. J. Waxer, presented at the International Committee on
Ultrahigh-Intensity Lasers, Jeju, South Korea, 18–23 September 2022.

“Characterization of Particulate Contamination Inside the OMEGA EP Grating
Compressor Chamber,” B. N. Hoffman, N. Savidis, S. Abbey, A. Kalb, A. L. Rigatti, and
S. G. Demos, presented at the Laser-Induced Damage in Optical Materials 2022,
Rochester, NY, 18–21 September 2022.

Kafka, presented at the Laser-Induced Damage in Optical Materials 2022, Rochester,
NY, 18–21 September 2022.

“Laser Damage to Liquid Crystal Alignment Materials in Ordinary and Extraordinary
Modes,” Z. S. Davidson, J. Wallace, Y. Sargol, N. Urban, S. G. Demos, K. L. Marshall,
and S. Elhadj, presented at the Laser-Induced Damage in Optical Materials 2022,
Rochester, NY, 18–21 September 2022.

“Laser-Damage Performance of Fused Silica and Potassium Dihydrogen Phosphate
Marshall, S. G. Demos, R. Emms, and D. Walker, presented at the Laser-Induced Damage in Optical Materials 2022,
Rochester, NY, 18–21 September 2022.

“Modeling of Transverse Stimulated Raman Scattering in KDP/DKDP Polarization Control
Plates,” H. Huang, T. Z. Kosc, T. J. Kessler, and S. G. Demos, presented at the Laser-

“Optimized Liquid Crystals for High-Power Laser Beam Manipulation: An Evaluation
and Feasibility Study,” Y. Sargolzaeiaval, J. U. Wallace, N. D. Urban, S. G. Demos,


“User Community,” M. S. Wei, presented at the Panchanathan Visit, Rochester, NY, 11 April 2022.


“Perspectives on Inertial Fusion Energy (IFE),” E. M. Campbell, presented at the Plasma Science and Fusion Center Seminar, virtual, 7 March 2022.


“Magnetized Target Capabilities and Diagnostic Needs at LLE,” J. L. Peebles, presented at the National Diagnostic Workshop, virtual, 7–9 December 2021.


“VASP 6.2.1 Runtime Comparison for Extreme Thermodynamic Condition Simulations Using Graphics-Processing Units,” D. E Keller and V. V. Karasiev, presented at PMBS21, virtual, 14–19 November 2021.


presented at the 63rd Annual Meeting of the American Physical Society Division of Plasma Physics, Pittsburgh, PA, 8–12 November 2021 (invited).


the 63rd Annual Meeting of the American Physical Society Division of Plasma Physics, Pittsburgh, PA, 8–12 November 2021.


“Low-Mode Asymmetry Induced by Polarized Cross-Beam Energy Transfer Interaction in Laser-Direct-Drive Spherical Implosions on OMEGA,” A. Colaïtis, D. H. Edgell, I. V.


“Revealing the Atomic Motion Composing the B1-B2 Structural Transformation of MgO Under High Pressures,” B. McLellan, S. Zhang, and S. X. Hu, presented at the 63rd
Annual Meeting of the American Physical Society Division of Plasma Physics, Pittsburgh, PA, 8–12 November 2021.


“Progress in Development of Thermal Hybrid Exchange-Correlation Density Functionals for Improving the Description of Warm Dense Matter,” D. I. Mihaylov, V. V. Karasiev, and S. X. Hu, presented at the APS March Meeting, virtual, 15–19 March 2021.


2020


“Novel Hot-Spot–Ignition Designs for Inertial Confinement Fusion with Liquid Deuterium–Tritium Spheres,” V. N. Goncharov, I. V. Igumenshchev, D. R. Harding,


“A Systematic Study of Laser Imprint for Direct Drive—From Seeds to Integrated Implosions,” J. P. Knauer, R. Betti, V. Gopalaswamy, D. Cao, D. Patel, A. Lees,


at the 62nd Annual Meeting of the American Physical Society Division of Plasmas Physics, virtual, 9–13 November 2020.


2019


“Status FY19 O'LUG Findings and Recommendations,” M. S. Wei, presented at APS DPP O'LUG Update, Fort Lauderdale, FL, 22 October 2019.


Meeting of the American Physical Society Division of Plasma Physics, Fort Lauderdale, FL, 21–25 October 2019.


“Investigating Small-Scale Mix in Direct-Drive Cryogenic DT Implosions with Radiography on OMEGA,” C. Stoeckl, T. J. B. Collins, R. Epstein, V. N. Goncharov,


the 61st Meeting of the American Physical Society Division of Plasma Physics, Fort Lauderdale, FL, 21–25 October 2019.


“Status and Prospects for Nuclear Fusion with Lasers,” R. Betti, presented at FisMat 2019, Catania, Italy, 30 September–4 October 2019 (invited).


“Precision Coatings for Large Optics,” J. B. Oliver, presented at Optical Interference Coatings, Santa Ana Pueblo, NM, 2–7 June 2019.


“Ultrabroadband THz Radiation Transients Emitted from Ta/NiFe/Pt Nanolayers upon Excitation by Femtosecond Laser Pulses,” G. Chen, R. Adam, D. E. Burgler, I. Komissarov, S. Heidtfeld, H. Hardtdegen, M. Mikulics, C. M. Schneider,


“High-Efficiency, Large-Aperture Fifth-Harmonic–Generation of 211-nm Pulses in Ammonium Dihydrogen Phosphate Crystals for Fusion Diagnostics,” I. A. Begishev,


2018


“Status of FY18 OLUG Findings and Recommendations,” M. S. Wei, presented at the APS DPP OLUG Update, Portland, OR, 6 November 2018.


“High-Pressure Phase Diagram of Silicon,” R. Paul, S. X. Hu, and V. V. Karasiev, presented at the 60th Annual APS Division of Plasma Physics, Portland, OR, 5–9 November 2018.


and S. Sepke, presented at the 60th Annual APS Division of Plasma Physics, Portland, OR, 5–9 November 2018.


“Perturbation Evolution at Early Stages of Inertial Confinement Fusion Implosions,” V. N. Goncharov, presented at the 60th Annual APS Division of Plasma Physics, Portland, OR, 5–9 November 2018.


“Liquid Crystals and a 35-Year Journey from Information Displays to Laser Fusion and Beyond,” K. L. Marshall, presented at the University of Arizona, College of Optical Sciences, Tuscon, AZ, 16 August 2018 (invited).


“Nuclear Science Experiments at the University of Rochester’s Omega Laser Facility,” C. J. Forrest, V. Yu, Glebov, J. P. Knauer, P. B. Radha, S. P. Regan, J. R. Rygg,


“LLE: A Unique University-Based Research Center Supporting National Security and Science for the United States,” T. C. Sangster, presented at Purdue University Nuclear Engineering, West Lafayette, IN, 26 July 2018.


“Three-Dimensional Simulations of Direct-Drive Implosions on OMEGA,” I. V. Igumenshchev, presented at the 14th Direct-Drive and Fast-Ignition Workshop, York, United Kingdom, 20–22 March 2018.


“Microfluidic Devices for Producing Millimeter-Size Droplets, Emulsions, and Polystyrene Shells for Inertial Fusion Confinement Experiments,” N. D. Viza and D. R.
“Systematic Study on the Photoresponse in Al\textsubscript{x}Ga\textsubscript{1-x}N UV Photodetectors,” Y. Zhao and W. R. Donaldson, presented at the Materials Research Society Fall Meeting, Boston, MA, 26 November–1 December 2017.


the 59th Annual Meeting of the APS Division of Plasma Physics, Milwaukee, WI, 23–27 October 2017.


“Measurements of Sound Velocity and Grüneisen Parameter in CH Shocked to 800 GPa,” T. R. Boehly, C. A. McCoy, D. E. Fratanduono, P. Celliers, M. C. Gregor, D. N.


“Dependence of Readout Fade Rate on X-Ray Energy for BaFBr$_{0.85}$I$_{0.15}$:Eu Image Plates,” M. Stoeckl, and A. Kozlov, presented at High Energy Density Science Summer School, La Jolla, CA, 30 July–11 August 2017.


“Adventures in ICF and HEDP with Magnetic Fields,” A. B. Sefkow, presented at the Sixth International Conference on High Energy Density Physics, Shirahama, Japan, 5–9 June 2017.


“A Streaked X-Ray Spectroscopy Platform for Rapidly Heated, Near-Solid Density Plasmas,” C. R. Stillman, P. M. Nilson, S. Ivancic, C. Mileham, I. A. Begishev,


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2015


“A High-Average-Power, Degenerate, 2.06 μm BiB3O6 Femtosecond Optical Parametric Oscillator,” T. Petersen and J. Bromage, presented at Frontiers in Optics, San Jose, CA, 18–22 October 2015.


Mackinnon, S. Le Pape, and T. Ma, presented at CEA Seminar, Bruyères le Châtel, France, 1 September 2015.


2014


2013


“Direct-Drive Inertial Confinement Fusion: Where We Started (60 kJ), Where We Stand Today (1.5 MJ), and Where We Will be in 50 Years (100 kJ),” D. H. Froula, presented at Intense Laser and Beam Plasma Interactions Workshop, Los Angeles, CA, 19–20 July 2013 (invited).


“High-Resolving-Power, Ultrafast Streaked X-Ray Spectrometer for OMEGA EP,”
P. M. Nilson, R. Jungquist, C. Stoeckl, C. Mileham, P. A. Jaanimagi, I. A. Begishev,
W. Theobald, J. R. Davies, J. F. Myatt, A. A. Solodov, J. D. Zuegel, D. H. Froula,

“How to Ensure Successful Diagnostic Qualification at the OMEGA Laser Facility,”
A. T. Agliata, presented at the Omega Laser Facility Users Group Workshop, Rochester,
NY, 24–26 April 2013.

“LLE Resources Are Established to Provide Access to Information for External Users,”
R. W. Kidder, M. Miller, C. Kingsley, and A. Zeller, presented at the Omega Laser

“OMEGA EP 4ω Diagnostic: System Description and Recent Results,” D. Haberberger,
R. Boni, M. Barczys, J. Brown, R. G. Roides, R. Huff, S. Ivancic, M. Bedzyk, R. S.
Craxton, F. Ehrne, E. Hill, R. K. Jungquist, J. Magoon, D. Mastrosimone, J. Puth,
W. Seka, M. J. Shoup III, W. Theobald, D. Weiner, J. D. Zuegel, and D. H. Froula,
presented at the Omega Laser Facility Users Group Workshop, Rochester, NY, 24–26
April 2013.

“OMEGA EP Shot Performance and Facility Enhancement Status,” D. Canning,
S. Householder, M. Labuzeta, J. Puth, S. F. B. Morse, B. Kruschwitz, M. Barczys,
E. Hill, J. Kwiatowski, and R. W. Kidder, presented at the Omega Laser Facility Users


“Omega Laser Facility Update: 2013 Progress on OLUG Recommendations,” S. F. B.
Morse, presented at the Omega Laser Facility Users Group Workshop, Rochester, NY,
24–26 April 2013.

“Optical Modeling and Analysis of a High-Throughput and High-Temporal-Resolution

“Qualifying as an External Instrument Specialist/Technician at LLE,” S. Stagnitto,
M. Labuzeta, and C. Sorce, presented at the Omega Laser Facility Users Group

“Recent Progress in Omega Cryogenic Implosions,” V. N. Goncharov, presented at the

“Recent Results from Polar-Drive–Implosions on OMEGA and the NIF,” P. B. Radha,


2012


54th Annual Meeting of the APS Division of Plasma Physics, Providence, RI, 29 October–2 November 2012.


Hicks, presented at the 54th Annual Meeting of the APS Division of Plasma Physics, Providence, RI, 29 October–2 November 2012.


“A Three-Dimensional Zakharov Model of the Two-Plasmon-Decay Instability in Inhomogeneous Plasmas Driven by Multiple Laser Beams,” J. Zhang, J. F. Myatt, R. W.


the International Committee on Ultra-High Intensity Lasers, Mamaia, Romania, 16–21 September 2012.


Schneider, presented at the 43rd Annual APS Division of Atomic, Molecular, and Optical Physics Meeting, Anaheim, CA, 4–8 June 2012.


Annual Meeting of the APS Division of Plasma Physics, Salt Lake City, UT, 14–18 November 2011.


Séguin, presented at the 53rd Annual Meeting of the APS Division of Plasma Physics, Salt Lake City, UT, 14–18 November 2011.


R. D. Petrasso, presented at the 53rd Annual Meeting of the APS Division of Plasma Physics, Salt Lake City, UT, 14–18 November 2011.


presented at the 7th International Conference on Inertial Fusion Sciences and Applications, Bordeaux, France, 12–16 September 2011.


2010


“Angular Dependence of Two-Plasmon Decay in Multibeam Direct-Drive Irradiation Geometries,” R. W. Short, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010.


“A CVD Diamond-Based Proton-Bang-Time Detector for OMEGA and the NIF,” H. Rinderknecht, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010.


T. C. Sangster, W. Seka, N. Sinenian, T. Ma, F. N. Beg, E. Giraldez, and R. B. Stephens, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010 (invited).


“Low-Adiabat, High-Compression Cryogenic Deuterium–Tritium Implosions on OMEGA,” V. N. Goncharov, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010 (invited).


“Saturation of Two-Plasmon-Decay and Ion-Density Fluctuations,” R. Yan, A. V. Maximov, and C. Ren, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010.


“Smoothing by Spectral Dispersion (SSD) for Multiple-Picket Pulses on OMEGA and the NIF,” J. A. Marozas, T. J. B. Collins, and J. D. Zuegel, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010.


“Study of Self-Generated Magnetic Fields in Implosion Experiments on OMEGA,” I. V. Igumenshchev, V. N. Goncharov, P. M. Nilson, T. C. Sangster, C. K. Li, R. D. Petraso,
and M. G. Haines, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010.


“Yield and Ion-Temperature Measurements in Exploding Pusher Experiments on OMEGA and the NIF,” M. Rosenberg, presented at the 52nd Annual Meeting of the APS Division of Plasma Physics, Chicago, IL, 8–12 November 2010.


2009

D. Shvarts, presented at the 51st Annual Meeting of the APS Division of Plasma Physics, Atlanta, GA, 2–6 November 2009.


Annual Meeting of the APS Division of Plasma Physics, Atlanta, GA, 2–6 November 2009.


“Intensity Dependence of Target Performance in Low-Adiabat, Warm Implosions on OMEGA,”” P. B. Radha, C. Stoeckl, V. N. Goncharov, J. A. Delettrez, T. C. Sangster,


“2-D Simulations of a 1-MJ CH-Foam Ignition Target on the NIF with 0.5 THz of 1-D Multi-FM SSD Bandwidth Using an Analytic Model,” J. A. Marozas, T. J. B. Collins, and J. D. Zuegel, presented at the 51st Annual Meeting of the APS Division of Plasma Physics, Atlanta, GA, 2–6 November 2009.


2008


2007


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“Optical Control of Flip-Flops Based on Resonant-Type SOA’s,” D. N. Maywar, presented at the University of Tokyo Seminar, Tokyo, Japan, 18 September 2007.


2006


“Adding Chemistry and Glass Composition Data into a Mechanical Material Removal Model for Magnetostrictive Finishing (MRF),” J. E. DeGroote, J. P. Wilson, T. M.


“Performance of the Cryogenic Test Facility Used to Simulate the Effect of Injecting an Inertial Fusion Energy Target into a Hot Target Chamber,” S. Scarantino, M. Bobeica, and D. R. Harding, presented at the 17th Target Fabrication Meeting, San Diego, CA, 1–5 October 2006.


2005


“Numerical Study of Temporal Density Variation Effects on Nonlinear Perturbation Evolution in Classical Rayleigh–Taylor Instability,” D. Li and V. N. Goncharov,


“Stimulated Brillouin Scattering in Plasmas Relevant to Direct-Drive Laser Fusion,” W. Seka, H. Baldis, J. Myatt, A. V. Maximov, R. W. Short, R. S. Craxton, R. E. Bahr,


“Direct-Drive Inertial Fusion: Basic Concepts and Ignition Target Designing,” V. N. Goncharov, presented at the 60th Scottish Universities Summer School in Physics, St. Andrew, Scotland UK, 14–27 August 2005.


2004


“A Front End for Multipetawatt Lasers Based on a High-Energy, High-Average-Power Optical Parametric Chirped-Pulse Amplifier,” V. Bagnoud, presented at Frontiers in


2003


“Effects of Low-Order Irradiation Nonuniformity on X-Ray Images of ICF Implosions
Experiments on OMEGA,” R. Epstein, F. J. Marshall, J. A. Delettrez, P. W. McKenty,
P. B. Radha, and V. A. Smalyuk, presented at the 45th Annual Meeting of the APS

“Experimental Investigation of Coronal Plasma Conditions in Direct-Drive ICF Using
Time-Resolved X-Ray Spectroscopy,” H. Sawada, S. P. Regan, V. N. Goncharov, J. P.
Knauer, R. Epstein, R. S. Craxton, J. A. Delettrez, F. J. Marshall, B. Yaakobi, D. D.
Meyerhofer, P. B. Radha, T. C. Sangster, and W. Seka, presented at the 45th Annual

“Experimental Investigation of the Two-Plasmon-Decay Instability at Oblique
Regan, H. Baldis, S. Depierreux, J. Myatt, and R. E. Bahr, presented at the 45th Annual

“Experimental Results from Cryogenic D₂ Implosions on the OMEGA Laser,” T. C.
Sangster, J. A. Delettrez, R. Epstein, V. Yu. Glebov, V. N. Goncharov, D. R. Harding,
D. Jacobs-Perkins, R. L. Keck, J. D. Kilkenny, J. P. Knauer, S. J. Loucks, L. D. Lund,
Morse, S. P. Regan, P. B. Radha, W. Seka, S. Skupsky, V. A. Smalyuk, J. M. Soures,
Fletcher, S. Padalino, and C. Freeman, presented at the 45th Annual Meeting of the APS

“Experimental Studies of Time-Dependent Mix in OMEGA Direct-Drive Implosions,”
Meyerhofer, T. C. Sangster, and J. M. Soures, presented at the 45th Annual Meeting of

“Extended X-Ray Absorption Fine Structure Measurements of Laser Shocks in Ti and
Rehr, B. A. Remington, P. G. Allen, S. M. Pollaine, and R. C. Albers, presented at the
45th Annual Meeting of the APS Division of Plasma Physics, Albuquerque, NM, 27–31
October 2003 (invited).

“Fuel Assembly Experiments with Fast-Ignitor Cone Targets on OMEGA,” C. Stoeckl,
J. A. Delettrez, T. C. Sangster, R. B. Stephens, S. P. Hatchett, J. A. Frenje, S. Fujioka,
H. Shiraga, and K. A. Tanaka, presented at the 45th Annual Meeting of the APS Division

“High-β Tokamak Equilibria with Poloidal Flows Exceeding the Poloidal Alfvén
Velocity,” L. Guazzotto and R. Betti, presented at the 45th Annual Meeting of the APS


“Studying the Burn Region in ICF Implosions with Proton-Emission Imaging,”
J. DeCiantis, B. E. Schwartz, J. A. Frenje, F. H. Séguin, S. Kurebayashi, C. K. Li, R. D.
T. C. Sangster, and S. P. Hatchett, presented at the 45th Annual Meeting of the APS

“Three-Halves-Harmonic Generation in Femtosecond-Laser-Produced, Solid-Density
Plasmas,” W. Theobald, L. Veisz, and R. Sauerbrey, presented at the 45th Annual

“Timing of Multiple Shocks in Planar Direct-Drive Laser-Driven Targets,” E. Vianello,
Miller, T. C. Sangster, D. G. Hicks, and P. M. Celliers, presented at the 45th Annual

“The Utility of Knock-On $D$, $T$, and $P$ for Diagnosing NIF Implosions,” M. Canavan,
Sangster, presented at the 45th Annual Meeting of the APS Division of Plasma Physics,

“Spectroscopy of Broadband Harmonic Generation,” W. R. Donaldson, J. A. Marozas,
R. S. Craxton, D. Jacobs-Perkins, and M. Millecchia, presented at LEOS 2003,

“Optics Manufacturing Research Projects by Undergraduates Who Happen to be
Education and Training in Optics and Photonics, Tucson, AZ, 6–8 October 2003.

“OSA Rochester Section Optics Suitcase: A Forty-Minute Middle School Outreach
Program for the Cost of a Postage Stamp,” S. D. Jacobs and L. L. Gregg, presented at
Education and Training in Optics and Photonics, Tucson, AZ, 6–8 October 2003.

“Efficient Room Temperature Single-Photon Source: Single Dye Molecule Fluorescence
in Photonic-Band-Gap Cholesteric Liquid Crystal Host,” S. G. Lukishova, A. W. Schmid,
A. J. McNamara, R. W. Boyd, and C. R. Stroud, presented at the 87th OSA Annual

“A New Class of High-Efficiency, High-Dispersion Diffraction Gratings Based on Total
Internal Reflection,” J. R. Marcian and D. H. Raguin, presented at the 87th OSA


2002


2001


presented at the 10th International Conference on Precision Engineering (ICPE), Yokohama, Japan, 18–20 July 2001.


“The Role of Improved Target Surface Roughness in Recent OMEGA Gas-Filled Implosion Experiments,” P. W. McKenty, C. Stoeckl, V. N. Goncharov, M. J. Bonino,


2000


“Imprint Reduction with Shaped Pulses,” T. J. B. Collins and S. Skupsky, presented at the 42nd Annual Meeting of the APS Division of Plasma Physics, Quebec City, Canada, 23–27 October 2000.


presented at the 42nd Annual Meeting of the APS Division of Plasma Physics, Quebec City, Canada, 23–27 October 2000.


“SBS from Fast and Slow Waves in Two-Ion Plasmas,” C. J. McKinstrie and M. V. Kozlov, presented at the 42nd Annual Meeting of the APS Division of Plasma Physics, Quebec City, Canada, 23–27 October 2000.


1999


Fusion Sciences and Applications (IFSA) 1999, Bordeaux, France, 12–17 September 1999.


1998


“Charged-Particle Spectroscopy on OMEGA: Initial Results,” R. D. Petrasso, C. K. Li, D. G. Hicks, P. H. Séguin, J. M. Soures, V. Y. Glebov, D. R. Harding, J. P. Knauer,


“Neutron Burn History Measurements on OMEGA,” C. Stoeckl, P. W. McKenty, V. Y. Glebov, D. D. Meyerhofer, N. S. Rogers, J. D. Zuegel, M. D. Cable, T. J. Ognibene, and


“How Small Stresses Affect 351-nm Damage Onset in Fused Silica,” F. Dahmani, J. C. Lambropoulos, S. Burns, S. Papernov, and A. W. Schmid, presented at the XXX Annual


“Inertial Confinement Fusion: Status, Challenges, and Future,” J. P. Knauer, presented at the Department of Physics and Astronomy at the University of Hawaii, Honolulu, HI, 10 September 1998.


“Transit-Time Damping and a New Physical Picture for Landau Damping,” A. Simon, presented at the Physics Department of the National Cheng Kung University, Taiwan, China, 9 March 1998.

“Stimulated Brillouin Scattering in Long-Scale-Length Plasmas on the OMEGA Laser System,” A. Chirokikh, D. D. Meyerhofer, W. Seka, R. S. Craxton, and A. Simon,


1997


“Picosecond Nodal Testing of Centimeter-Size Superconducting Nb Microstrip Interconnects,” M. Currie, C.-C. Wang, R. Sobolewski, and T. Y. Hsiang, presented at


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1996


“Convergence Studies of ICF Implosions Utilizing Doped-CH Ablators to Mitigate Instability Growth,” P. W. McKenty, P. A. Jaanimagi, R. L. Kremens, K. J. Kearney,
C. P. Verdon, and M. D. Cable, presented at the 38th Annual Meeting, APS Division of Plasma Physics, Denver, CO, 11–15 November 1996.


presented at the 16th IAEA Fusion Energy Conference Montreal, Canada, 7–11 October 1996.


1995


“Parametric Excitation of Electron Bernstein Waves in Laser-Produced Plasma,”
A. Simon, presented at the 25th Annual Anomalous Absorption Conference, Aspen, CO,
27 May–1 June 1995.

“Phase-Conjugated SBS in Laser-Produced Plasmas,” R. W. Short, presented at the 25th

“Prospects for Direct- and Indirect-Drive ICF on the OMEGA Laser,” R. S. Craxton,
presented at the 25th Annual Anomalous Absorption Conference, Aspen, CO, 27 May–
1 June 1995 (invited).

“Simulations of Time-Dependent Spectral Signatures of Fuel-Pusher Mixing in Laser-
Driven Implosions,” R. Epstein, J. A. Delettrez, C. P. Verdon, D. Shvarts, and
B. Yaakobi, presented at the 25th Annual Anomalous Absorption Conference,

“Tetrahedral Hohlraums for the OMEGA Upgrade and the National Ignition Facility,”
J. D. Schnittman and R. S. Craxton, presented at the 25th Annual Anomalous Absorption

“Thermal Filamentation of Laser Beams,” J. S. Li, C. J. McKinstrie, C. Joshi, and
K. Marsh, presented at the 25th Annual Anomalous Absorption Conference, Aspen, CO,
27 May–1 June 1995.

“Two-Dimensional Stimulated Raman Scattering of Short Laser Pulses,” E. J. Turano,
C. J. McKinstrie, and R. E. Giacone, presented at the 25th Annual Anomalous

“Complex Multigigahertz Electrical Waveform Generation for Optical Pulse Shaping on
the OMEGA Laser,” A. V. Okishev, M. D. Skeldon, S. A. Letzring, W. R. Donaldson,
K. Green, W. Seka, and L. Fuller, presented at CLEO ‘95, Baltimore, MD, 21–26
May 1995.

“The Design of an Energy Balance Measurement Diagnostic for the Upgraded OMEGA
Laser System,” R. Boni, R. L. Keck, O. R. Lopez-Raffo, S. A. Letzring, and

“Direct and Indirect Laser Fusion,” R. L. McCrory, presented at CLEO ‘95, Baltimore,

“Distributed Phase Plates with Low Scattering Loss for Supergaussian Focal Plane
Irradiance Profiles,” Y. Lin, T. J. Kessler, and G. N. Lawrence, presented at CLEO ‘95,


1994


“Terrahertz Spectral Analysis of Straight and Bent Coplanar Transmission Lines,”


1993


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