

| Technical Session | Technical Session Organizer |
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| 4.6 Fast Z-Pinches | John Giuliani (john.giuliani@nrl.navy.mil) |

Session MO 2.2: Z Pinches, Foils, Liners, and Plasma Foci

Monday, May 22, 2017 from 16:00-18:00, Wildwood 10

Session Chair: Nicholas Quart, NRL

16:00 MO 2.2-1 MATERIAL EFFECTS ON LABORATORY PLASMA JETS WITH APPLIED MAGNETIC FIELDS

T. Byvank, N. Hamlin, L. Atoyan, C. E. Seyler, B. R. Kusse
Cornell University, Ithaca, NY, United States

16:15 MO 2.2-2 EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF DIELECTRIC COATINGS ON CYLINDRICAL METAL LINERS DRIVEN BY A 1 MA PULSED POWER GENERATOR

L. Atoyan, D. A. Hammer, J. T. Banasek, T. Byvank, J. B. Greenly, B. R. Kusse, S. V. Rocco
Cornell University, Ithaca, NY, United States

16:30 MO 2.2-3 PREIONIZATION STUDIES OF A LINER-ON-TARGET CONFIGURATION FOR STAGED Z-PINCHES

F. Conti¹, J. C. Valenzuela¹, M. P. Ross¹, J. Narkis¹, N. Aybar¹, I. Krasheninnikov¹, F. N. Beg¹, F. J. Wessel², E. Ruskov², H. U. Rahman², P. Ney², T. Darling³

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²*Magneto-Inertial Fusion Technologies, Inc., Tustin, CA, United States*

³*Nevada Terawatt Facility, University of Nevada, Reno, Reno, NV, United States*

16:45 MO 2.2-4 DEVELOPMENT OF DENSE PLASMA FOCI AS ADVANCED NEUTRON SOURCES AT LLNL

A. P. Povilus, Y. Podpaly, C. Cooper, B. Shaw, S. Chapman, E. Koh, S. Falabella, A. Schmidt
Lawrence Livermore National Lab, Livermore, CA, United States

17:00 MO 2.2-5 SIMULATIONS OF A DENSE PLASMA FOCUS ON A HIGH IMPEDANCE GENERATOR

A. Beresnyak, J. Giuliani, S. Richardson, S. Jackson, S. Swanekamp, J. Schumer, R. Comisso, D. Mosher, B. Weber

Naval Research Laboratory, Washington, DC, United States

17:15 MO 2.2-6 TUNGSTEN PLANAR WIRE ARRAYS ON MICHIGAN LTD GENERATOR

A. S. Safronova¹, V. L. Kantsyrev¹, V. V. Shlyaptseva¹, I. K. Shrestha¹, M. T. Schmidt-Petersen¹, C. J. Butcher¹, A. Stafford¹, K. A. Schultz¹, M. C. Cooper¹, P. C. Campbell², A. M. Steiner², D. A. Yager-Elorriaga², N. M. Jordan², R. McBride², R. M. Gilgenbach², J. L. Giuliani³, A. L. Velikovich³, A. S. Chuvatin⁴

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⁴*Ecole Polytechnique, Palaiseau, France*

17:30 MO 2.2-7 (invited) PRECONDITIONED WIRE ARRAY Z-PINCH ON A DOUBLE-PULSE CURRENT GENERATOR

J. Wu, Y. Lu, D. Zhang, X. Li, S. Jia, A. Qiu

State Key Laboratory of Electrical Insulation and Power Equipment, Xi'an Jiaotong University, Xi'an, Shaanxi, China