

PPPS 2019

Thursday 27 June 2019

Poster - Charged Particle Beams and Accelerators and High Energy Density Plasmas and Applications - Universal Center

(16:00 - 17:30)

-Conveners: Alexander Velikovich

[id] title	presenter	board
[486] 4P31 - Auto-collimation and monitoring of KrF laser beam in the E-beam pumped high power excimer laser facility	Mrs LI, Jing	
[574] 4P21 - Propagation of an intense relativistic electron beam through plasma.	FOURMENT, claude	
[560] 4P45 - Combustion of electrical underwater exploded aluminum wire	Dr EFIMOV, Sergey	
[986] 4P24 - SATURN ACCELERATOR BREMS DIODE SINGLE CATHODE CURRENT SCALING	Mr JOSEPH, Nathan	
[609] 4P32 - Parametric Study of a Cylindrical Inertial Electrostatic Confinement Fusion Device and its Application	MOHANTY, Smruti Ranjan	
[1105] 4P29 - PIC simulation of ion beam expansion in a drift cone configuration for RFEA measurements.	DU, Yao	
[1226] 4P40 - Elements of Three Dimensional Modeling of a Pulsed Fission Fusion Hybrid Z-Pinch Target for Advanced Propulsion	Dr CASSIBRY, Jason	
[1245] 4P41 - Overview of the C-2W Formation Section Pulsed Power	Mr ALLFREY, Ian	
[568] 4P02 - Particle-in-cell modeling of the Saturn accelerator vacuum section	ULMEN, Ben	
[789] 4P09 - Experimental Investigation of Pseudospark Discharge Based Plasma Cathode Electron Source for the Generation and Propagation of High Density and Energetic Electron Beams	., Varun	
[987] 4P12 - Radio Frequency Plasma Generation without 50 Ohm Matching	ZIEMBA, Tim	
[1126] 4P17 - Electron Beam Studies and X-ray Spectroscopy of Dense Plasma Focus Experiments	PETKOV, Emil	
[1238] 4P51 - Diagnostics to study electrothermal instabilities on MYKONOS	GILMORE, M.	
[787] 4P58 - Understanding electrothermal instability growth by comparing z-pinches with engineered defects to 3D-MHD simulations	Dr AWE, Thomas	
[997] 4P62 - Electrostatic gyrokinetic simulations of sheared Z-pinch	Dr GEYKO, Vasily	
[1052] 4P65 - X-ray Spectroscopy and Total Yield Measurements on a Microsecond X-Pinch	JAAR, G.S.	
[1135] 4P66 - Initial Conditions & Plasma Evolution in the Hawk Dense Plasma Focus	ENGELBRECHT, Joseph	
[1192] 4P67 - Extending Experimental and Diagnostics Capabilities on the 1-MA, 100-ns MAIZE Pulsed Power Facility	SHAH, Akash	
[1246] 4P69 - Characterization of Neutron Production in Deuterium Z-pinch Experiments at Current of 3 MA	CIKHARDT, Jakob	
[1276] 4P78 - Generation and propagation of nitrogen laser pulses of long (< 3 μ s) duration in air	KEKEZ, Mladen M.	
[496] 4P20 - PROPAGATION OF ELECTRON BEAMS IN GAS CELLS	Dr CASSANY, Bruno	

[514] 4P01 - Validation of a configurable ion source for testing spaceflight-based thermal plasma measurement instruments	Ms ROBERTSON, Ellen	
[1219] 4P39 - The Design, Properties, Operation and Modeling of the STPX Plasma Device	WILLIAMS, R.	
[718] 4P46 - Fine Liquid-Metal Load for Repeatable Applications of Pulsed-power Discharge	SASAKI, Toru	
[730] 4P05 - Features of the millisecond arc discharge generating emission plasma in the forevacuum plasma-cathode source of large-radius electron beam	Dr KAZAKOV, Andrey	
[577] 4P22 - Comparisons of a Quantum Photoemission Model with Three-step Model and Fowler-Dubridge Model	ZHOU, Yang	
[992] 4P61 - Magnetic Field Diffusion into Al-6061 Rod under Megaampere Current Drive	KREHER, Seth	
[1136] 4P18 - DETERMINATION OF THE PARTICLES INVOLVED IN ANODE INITIATED VACUUM BREAKDOWN USING A 1-MV, 50-NANOSECOND PULSE GENERATOR*	Dr ALLEN, Raymond	
[485] 4P30 - Improvement of Heaven-I high power excimer laser facility for ICF study	GAO, Zhixing	
[694] 4P33 - Development of high-voltage power supply system for upgrading ECH system of the KSTAR	Dr KIM, Sunggug	
[813] 4P35 - Development of an electron-beam pumped, argon fluoride laser for inertial confinement fusion*	MYERS, Matthew	
[815] 4P10 - Statistical Quantization and Optimization of Cold Atmospheric Pressure Plasma Source for Destroying Bacteria and Biofilms through Design of Experiments Method	CROTEAU, Adam	
[874] 4P11 - Properties of the energy-controlled atmospheric pressure plasma driven by multi-step external ballast capacitors	Dr HA, Chang-Seung	
[591] 4P55 - SIMULATIONS OF NOZZLE GAS FLOW AND GAS-PUFF Z-PINCH IMPLOSIONS WITH MAGNETIC FIELDS IN THE WEIZMANN Z-PINCH*	TANGRI, Varun	
[1046] 4P49 - Target machining using datum point tooling for Precision High Energy-Density Liner Implosion Experiment (PHELIX) magnetic implosion system	FIERRO, Franklin	
[1150] 4P50 - Optimizing Micropinches Produced by Hybrid X-pinches for High Time Resolution X-ray Spectroscopy	ELSHAFIEY, Ahmed	
[868] 4P06 - Plasma source with multi-aperture extraction system for generating a ribbon electron beam	Dr ZOLOTUKHIN, Denis	
[768] 4P07 - Monte-Carlo modelling of parallel electron transport in the Proto-MPEX linear plasma device	Dr CANESES, Juan	
[779] 4P08 - Studies on power transfer efficiency in the drivers of the SPIDER inductively coupled RF ion source	JAIN, Palak	
[1009] 4P13 - CNT Field Emission Cathodes Evaluated for a Portable X-Ray Generator for Root Imaging	Mr YANG, Enbo	
[495] 4P19 - Effects of the electron beam parameters on hydrodynamic response of aluminum: measurements and simulations.	Dr GARDELLE, Jacques	
[1032] 4P27 - EMPIRE simulation of the RKA diode into the gas cell	MEDINA, Brandon	
[1193] 4P38 - Hybrid fluid/kinetic modeling of dense plasma focus devices using USim and VSim	ROARK, Christine	

[889] 4P44 - Analysis for the Generation of Extreme Ultraviolet (EUV)/Soft X-Ray Radiations based on Short Pulse Electron Beams	., Varun	
[1255] 4P52 - Experimental measurement of thermal and electrical conductivities in warm dense state generated by pulsed-power discharge for efficient energy conversion of fast ignition	KUSANO, Shingo	
[707] 4P56 - Study on Fault Conditions of a Single Stage of Fast Linear Transformer Drivers	Mr WEI, Zhenyu	
[755] 4P57 - ABLATION BEHAVIORS AND IMPLOSION DYNAMICS OF PRECONDITIONED TWO-WIRE Z-PINCH	Mr LU, Yihan	
[972] 4P59 - Investigating the Electrothermal Instability in Pulsed Power Solid Liner Implosions Using Extended Magnetohydrodynamics	MASTI, Robert Dr SRINIVASAN, Bhuvana	
[989] 4P60 - Millimeter-wave Radiometry and Coherent Thomson Scattering for Studies of Power Balance in COBRA*	SCHMIDT, Thomas Dr GILMORE, M.	
[1001] 4P63 - Measurements of the Magnetic Rayleigh Taylor Instability in Centimeter-Scale Magnetized Plasma Bubbles*	DWYER, R. H.	
[1026] 4P64 - Zeeman Spectroscopy Studies in Ar Gas Puff Z-Pinches on 1-MA COBRA*	Dr QI, Niansheng	
[1210] 4P68 - Faraday-Rotation fiber-based gauge for current measurement in pulse-power systems	Dr COHEN, Kobi	
[1313] 4P75 - Laser-driven acceleration of titanium ions from ultrathin targets and the calibration of the ion beam diagnostic	STREHLOW, Joseph	
[563] 4P76 - Topanga: A Modern Code for E3 EMP Simulations	COHEN, Bruce	
[866] 4P77 - Simplified Radiation Model for Atmospheric Plasmas	MALLON, Michael KÜHN-KAUFFELDT, Marina	
[746] 4P53 - 2D Simulations of the ns-Laser Shock Peening	Mr POZDNYAKOV, Vasily	