

2017 IEEE Pulsed Power Conference

Tuesday, 20 June 2017

Poster session II - High-Energy Density Physics and Technology - Hall 4 / Cambridge (13:30 - 15:00)

| [id] title | presenter | board |
|---|-----------------------|-------|
| [402] The pulsed plasma accelerator with focusing electrodes experiments | ZHUKESHOV, Anuar | 24 |
| [394] Measuring the compression velocity of a Z pinch in an axial magnetic field | BAKSHT, Rina | 25 |
| [339] An Oil-Free Compact and Portable X-Pinch Radiation Source: Overview and Radiation Performance | Prof. SPIELMAN, Rick | 27 |
| [334] GeV-positron beams as a novel branch of the experimental basis for HEDP. | Prof. GOREV, Vladimir | 28 |
| [34] OVERHEATING INSTABILITY OF A THIN CONDUCTOR WITH RESPECT TO STRATIFICATION | GARANIN, Sergey | 29 |
| [40] A numerical plasma model of DBD Xenon Light source for VUV Radiation Emission | LOUKIL, Halima | 30 |
| [79] A portable X-pinch driver for hard X-ray radiography, diffraction and absorption measurements | BLAND, Simon | 31 |
| [81] Implosion of shock wave generated by an underwater electrical explosion of spherical wire array | Dr EFIMOV, Sergey | 32 |
| [82] Modern radiographic complexes based on ironless pulsed betatrons. Conception of radiographic complex for small-angle tomography. | Mr SHAMRO, Oleg | 33 |
| [83] Surface Current Density Distribution Measurements of an Electrically Exploded Foil via B-dot Probe Array Data Inversion, Revised | RUDEN, Edward L. | 34 |
| [87] RADIOGRAPHIC RESEARCH OF THE METAL-PUFF PLASMA JETS FORMED BY THE VACUUM ARC DISCHARGE | ROUSSKIKH, Alexander | 35 |
| [118] RESULTS OF OVERMASS Z-PINCH IMPLOSION IN EXPERIMENT WITH MAGNETO-CUMULATIVE GENERATOR | Mr REPIN, Boris | 36 |
| [125] The study of three-dimensional compression of wire arrays at the Angara-5-1 facility. | Mr GRITSUK, Arkadii | 37 |
| [130] SOME CAPABILITIES OF MAGNETIC IMPLOSION OF HIGH-VELOCITY CONDENSED-MATTER LINERS IN THE ALT-3 DRIVER | Dr BUYKO, Anatoly | 38 |
| [156] Experimental simulation of primordial nucleosynthesis nuclear processes by applying high-powered lasers. | Mr LOBANOV, Alexey | 39 |
| [168] Scaled DC Lifetime, Test and Evaluation of Advanced Nanocomposite Materials for Compact High Voltage Capacitors | CURRY, Randy | 40 |
| [228] Hydride lithium compression investigation in the megabar area by means of ultrahigh magnetic field pressure of the generator MC-1 | BYKOV, Alexander | 41 |
| [232] Helical magneto-cumulative generator to power plasma focus chamber | Mr DEMIDOV, Vasily | 42 |
| [233] Disk magneto-cumulative generator with opening switch of large diameter | Mr VLASOV, Yuri | 43 |
| [260] Effects of the Transport Properties of Gaseous Medium on Arc Behaviors in a Supersonic Nozzle | ZHANG, Jinling | 44 |
| [292] The efficiency of the pulsed power input in the limited plasma diode | Mr HRECHKO, Yaroslav | 45 |

| | | |
|--|----------------------|----|
| [293] Capabilities of Gamma facility to study material properties in the range of warm dense matter and pressure up to 100 GPa. | Mr KUZNETSOV, Sergey | 46 |
| [317] PLASMA FORMATION PROCESSES AT THE SURFACE OF THE DOUBLE-LAYER CONDUCTORS IN A FAST-RISING MEGAGAUSS MAGNETIC FIELDS | BAKSHT, Rina | 47 |