



Conference Program, March 4, 2016

Oral Session 16:00

Chairman

Prof. N. E. Andreev

- 16:00 Non-ideal plasmas created in the short pulse laser interaction with mass-limited and nanostructured targets
Rosmej Olga Nikolaevna (GSI, Darmstadt, Germany), Neumayer P., Khaghani D., Schönlein A., Pikuz S. A.
- 16:15 A comparison of atomistic and continual simulation of ablation dynamics under femtosecond double-pulse laser irradiation of metals
Fokin Vladimir Borisovich (JIHT RAS, Moscow, Russia), Povarnitsyn M. E., Levashov P. R.
- 16:30 A wide-range model for simulation of laser-induced dynamics of aluminum plasma
Povarnitsyn Mikhail Evgen'evich (JIHT RAS, Moscow, Russia), Andreev N. E.
- 16:45 Optimization of electron acceleration under the action of petawatt-class laser pulses onto foam targets
Pugachev Leonid (JIHT RAS, Moscow, Russia), Andreev N. E., Levashov P. R.

17:00



COFFEE-BREAK

Chairman

Dr. P. R. Levashov

- 17:15 Laser wakefield acceleration of polarized electron beams
Pugacheva Daria (JIHT RAS, Moscow, Russia), Andreev N. E., Cros B.
- 17:30 On the control of geometric factors for high quality accelerated electron bunches in guiding structures
Veysman Mikhail Efimovich (JIHT RAS, Moscow, Russia), Andreev N. E., Kuznetsov S. V.
- 17:45 Diagnostics of recombining laser plasma parameters based on He-like ion resonance lines intensity ratios
Ryazantsev Sergey Nickolaevich (JIHT RAS, Moscow, Russia), Skobelev I. Yu., Faenov A. Ya., Pikuz T. A., Grum-Grzhimailo A. N., Pikuz S. A.
- 18:00 The glass nanocomposites optical strength laser ablation studies
Shemanin Valery Gennad'evich (KubSTU NPI, Novorossiysk, Russia), Mkrtychev O. V.
- 18:15–
18:30 Ultraviolet pulse laser photosynthesis of binary metal-carbon nanoparticles
Eremin A. V., Gurentsov E. V., Mikheyeva E. Yu., Musikhin Stanislav Alexeevich (JIHT RAS, Moscow, Russia)

20:00–
23:00



BANQUET