



Conference Program, March 1, 2017

Opening Ceremony 16:00

Introductory words by V. E. Fortov, V. P. Efremov, A. P. Savintsev, K. V. Khishchenko

Chairman

Prof. G. V. Shpatakovskaya

16:15 Accelerators for high energy density physics (plenary)
Hoffmann Dieter H.H. (TUD, Darmstadt, Germany), Sharkov B. Yu., Bagnoud V., Blazevic A., Kühl T., Neff S., Neumayer P., Rosmej O. N., Varentsov D., Weyrich K.

16:45  **CONFERENCE PHOTO (OUTSIDE)**



COFFEE-BREAK

Chairman

Prof. A. A. Golubev

17:15 Advanced methods of electron acceleration to high energies (plenary)
Andreev Nikolay (JIHT RAS, Moscow, Russia)

17:45 Generation of high power terahertz pulses and applications
Agranat M. B., Chefonov O., Ovchinnikov A., Sitnikov Dmitry Sergeevich (JIHT RAS, Moscow, Russia), Fortov V. E.

18:00 Expansion of multilayer target heated by short pulse with large penetration depth
Khokhlov Victor Alexandrovich (ITP RAS, Chernogolovka, Russia), Zhakhovsky V. V., Inogamov N. A.

18:15 Formation of foamed structure in aluminum and iron melts at high-rate tension
Mayer P. N., Mayer Alexander Evgenievich (CSU, Chelyabinsk, Russia)

18:30 Finite-difference time-domain simulation of the interaction between ultrashort laser pulses and metal nanoparticles
Nikolskii Vsevolod (HSE, Moscow, Russia), Stegailov V. V.

18:45 Trajectory control of small rotating projectiles by laser discharges
Starikovskiy Andrey (PU, Princeton, United States), Limbach C., Miles R.

19:00 Diagnostic of plasmas created in relativistic laser matter interaction at high laser contrast
Rosmej Olga Nikolaevna (GSI, Darmstadt, Germany), Schoenlein A., Zaechter S., Adra C., Khaghani D., Samsonova J., Hoffmann A., Hoefner S., Kartashov D., Kaluza M., Spielmann C., Pugachev L. P., Andreev N. E., Uschmann I.

19:15 High- n hollow ion emission from Si ions pumped by ultraintense x-rays from relativistic laser plasma
Pikuz Sergey Alekseyevich (JIHT RAS, Moscow, Russia), Colgan J., Faenov A. Ya., Tubman E., Butler N. M. H., Abdallah Jr J., Dance R. J., Pikuz T. A., Skobelev I. Yu., Alkhimova M. A., Booth N., Green J., Gregory C., Andreev A., Loetzsch R., Uschmann I., Zhidkov A., Kodama R., McKenna P., Woolsey N.

19:30 Powerful x-ray radiation of a plasma generated during head-on collisions of high-energy plasma flows
Gavrilov V. V., Eskov A. G., Zhitlukhin A. M., Kochnev D. M., Pikuz S. A., Poznyak I. M., Ryazantsev Sergey Nikolaevich (JIHT RAS, Moscow, Russia), Skobelev I. Yu., Toporkov D. A., Umrikhin N. M.

19:45 X-rays diagnostics of the hot electrons distribution in the intense laser interaction with metal targets
Kostenko Oleg Fedotovich (JIHT RAS, Moscow, Russia), Andreev N. E., Rosmej O. N., Schönlein A.

20:00  **SUPPER**