

Conference Program, March 3, 2017

Oral Session 16:00

Chairman

Acad. E. E. Son

- 16:00 Active Brownian motion and structures of grains in strongly coupled dusty plasma (plenary)
Petrov Oleg Fedorovich (JIHT RAS, Moscow, Russia), Statsenko K. B., Vasiliev M. M.
- 16:30 Dynamical entropy and fractal dimension of laser-driven Brownian motion in strongly-coupled dust
Coulomb structures
Koss Xeniya Georgievna (JIHT RAS, Moscow, Russia), Petrov O. F., Statsenko K. B., Alekseevskaya A. A., Myasnikov M. I., Vasiliev M. M.
- 16:45 Optical and transport properties in partially ionized dense plasma
Reinholz Heidi Ella Mechthild (UR, Rostock, Germany), Lin C., Mintsev V. B., Omarbakiyeva Y. A., Röpke G., Veysman M. E., Zaporozhets Yu. B.
- 17:00 Atomistic simulation of hotspots in model energetic material
Murzov Semen Alexandrovich (VNIIA(S), Moscow, Russia), Zhakhovsky V. V.

17:15



COFFEE-BREAK

Chairman

Acad. O. F. Petrov

- 17:30 Universal energy distribution with power fluxes in spectra (plenary)
Son Eduard Evgenievich (JIHT RAS, Moscow, Russia)
- 18:00 About electron binding energies dependence on nuclear charge and ionisation state in free ions
Shpatakovskaya Galina Vasilievna (KIAM RAS, Moscow, Russia)
- 18:15 Electron core ionization in compressed alkali and alkali–earth metals
Degtyareva Valentina Feognievna (ISSP RAS, Chernogolovka, Russia)
- 18:30 High-temperature chemistry in low-temperature environment
Gordon Eugene Borisovich (IPCP RAS, Chernogolovka, Russia)
- 18:45 To Birch law for liquid metals
Lomonosov Igor (IPCP RAS, Chernogolovka, Russia)
- 19:00 A model of wide-range equations of state for matter at high energy densities
Khishchenko Konstantin Vladimirovich (JIHT RAS, Moscow, Russia)
- 19:15 Applications for the equation of state based on the Thomas–Fermi model with corrections
Dyachkov Sergey Aleksandrovich (VNIIA(S), Moscow, Russia), Levashov P. R., Minakov D. V.
- 19:30 Temperature anomalies of shock waves and adiabatic flows in hot nuclear matter
Konyukhov Andrey Victorovich (JIHT RAS, Moscow, Russia), Iosilevskiy I. L., Levashov P. R., Likhachev A. P.
- 19:45 Cavitation bubble dynamics in viscous liquid and fusion
Khokonov Azamat Khazret-Alievich (KBSU, Nalchik, Russia)
- 20:00 Band structure and transparency of the two-dimensional photonic crystal with a central defect
Bzheumikhov K. Z., Margushev Z. Ch., Savoiskii Yuri Vladimirovich (KBSC RAS, Nalchik, Russia), Khokonov A. Kh.

20:15



SUPPER

21:00–

POSTER SESSION

23:00