



Conference Program, March 5, 2013

Oral Session 16:00

Chairman

Prof. V.B.Mintsev

- 16:00 Equations of state for materials over a wide range of pressures and temperatures (plenary)
Khishchenko Konstantin Vladimirovich (JIHT RAS, Moscow, Russia)
- 16:30 Shell effects in free ions characters
Shpatakovskaya Galina Vasilievna (KIAM RAS, Moscow, Russia)
- 16:45 Enthalpic and entropic phase transitions in high energy density nuclear matter
Iosilevskiy Igor L'vovich (JIHT RAS, Moscow, Russia)
- 17:00 Low melting point of alkali metals under pressure: electronic origin
Degtyareva Valentina Feogniyevna (ISSP RAS, Chernogolovka, Russia), Degtyareva O.

17:15  **COFFEE-BREAK**

Chairman

Prof. O.F.Petrov

- 17:30 Theories and modelings of homogeneous nucleation
Pisarev Vasily Vyacheslavovich (JIHT RAS, Moscow, Russia)
- 17:45 Atomistic modeling of graphite melting
Orekhov Nikita Dmitrievich (JIHT RAS, Moscow, Russia), Stegailov V. V.
- 18:00 State of liquid at high temperatures
Vorontsov Alexander Gennadevich (SUSU, Chelyabinsk, Russia), Kuts D. A.
- 18:15 Capillary oscillations of the drop immersed in a liquid with taking into account of viscosity
Khokonov Azamat Khazratalievich (KBSU, Nalchik, Russia)
- 18:30 Modeling of laser destruction of disordered porous media
Gavasheli David Shotaevich (KBSU, Nalchik, Russia), Savintsev A. P., Gavasheli Yu. O.
- 18:45 Density functional theory approach to calculation of shocked xenon reflectivity
Norman G. E., Saitov Ilmur Minnigazyevich (JIHT RAS, Moscow, Russia), Stegailov V. V., Zhi-lyayev P. A.
- 19:00 Recombination in dense ion plasma
Lankin Alexander Valeriyevich (JIHT RAS, Moscow, Russia), Norman G. E., Amirov R. Kh.
- 19:15 Study of electron dynamics in ionized nanosized metallic clusters
Bystryi Roman Grigoriyevich (JIHT RAS, Moscow, Russia), Morozov I. V.
- 19:30– Anomalous diffusivity of ionic liquids. A classical molecular dynamics study
- 19:45 *Ivanovskis Glebs Evgenyevich (JIHT RAS, Moscow, Russia), Norman G. E., Stegailov V. V.*

20:00–  **BANQUET**
23:00