



XXXIII International Conference on Equations of State for Matter

March 1–6, 2018
Elbrus, Kabardino-Balkaria
Russia



Conference Program, March 4, 2018

Pension Elbrus Tegenekli 15:30

Chairman

Prof. V. V. Golub

- 15:30 Stability of relativistic shock waves: Theory and numerical experiment
Konyukhov Andrey Victorovich (JIHT RAS, Moscow, Russia), Likhachev A. P., Levashov P. R., Iosilevskiy I. L.
- 15:45 Failure and phase transitions in solid ceramics under uniaxial shock compression
Grigoryev Sergey Yurievich (VNIIA(S), Moscow, Russia), Dyachkov S. A., Parshikov A. N., Zhakhovskiy V. V.
- 16:00 Smooth-particle-hydrodynamic mesomodeling of shock-produced ejecta from a randomly bulked layer of spherical particles
Egorova Maria Sergeevna (VNIIA(S), Moscow, Russia), Dyachkov S. A., Parshikov A. N., Zhakhovskiy V. V., Rogozkin D. B., Kuratov S. Ye.
- 16:15 Mathematical modeling of the glass-composite reinforcement behavior in concrete under dynamic loading
Radchenko Pavel Andreevich (TSUAB, Tomsk, Russia), Batuev S. P., Radchenko A. V., Ovchinnikov A. A., Rodevich V. V.
- 16:30 Numerical simulation of the propagation of elastoplastic waves in transtropic materials
Krivosheina Marina Nikolaevna (ISPMS SB RAS, Tomsk, Russia), Tuch E. V., Strebkova E. A., Kobenko S. V.
- 16:45 Formation of craters, seas and mascons on the Moon by galactic comets
Barenbaum Azary Aleksandrovich (OGRI RAS, Moscow, Russia), Shpekin M. I.

17:00  **COFFEE-BREAK**

Chairman

Prof. I. V. Lomonosov

- 17:15 High energy density physics at the Facility for Antiproton and Ion Research
Golubev Alexander Alexandrovich (NRC KI, ITEP, Moscow, Russia)
- 17:30 The dynamics of carbon nanoparticles size at the detonation of TNT–RDX charges
Rubtsov Ivan Andreevich (LIH SB RAS, Novosibirsk, Russia), Ten K. A., Titov V. M., Prueel E. R., Kashkarov A. O., Kremenko S. I.
- 17:45 The study of linear inductive accelerator bremsstrahlung generation in two pulse mode of operation
Li Elena Sergeyevna (FSUE RFNC–VNIITF, Snezhinsk, Russia), Kolesnikov P. A., Nikitin O. A., Akhmetov A. A., Khrenkov S. D., Syskov D. V., Politov V. Yu., Legonkov V. V., Skovorodin D. I., Trunov Yu. A., Kurkuchekov V. V., Popov S. S., Danilov V. V., Burdakov A. V., Astrelin V. T., Arakcheev A. S., Atlukhanov M. G., Starostenko D. A., Starostenko A. A., Kulenko Ya. V., Vyacheslavov L. N., Sinitskiy S. L., Timofeev I. V., Kuzmenko A. E., Zhelezkin D. A.
- 18:00 Ultra-intense K-shell emission from medium Z foils irradiated by optical femtosecond laser pulses with intensity higher than 10^{21} W/cm²
Alkhimova Mariya Andreevna (JIHT RAS, Moscow, Russia), Faenov A. Ya., Pikuz T. A., Skobelev I. Yu., Pikuz S. A., Nishiuchi M., Sakaki H., Pirozhkov A. S., Sagisaka A., Dover N. P., Kondo Ko., Ogura K., Fukuda Y., Kiriyaama H., Kando M., Nishitani K., Miyahara T., Watanabe Y., Kodama R., Kondo K.
- 18:15–
18:30 Laboratory studying of matter accretion in young stars by means of x-ray spectrometry
Filippov Evgeny Dmitrievich (JIHT RAS, Moscow, Russia), Ryazantsev S. N., Pikuz S. A., Skobelev I. Yu., Revet G., Chen S., Fuchs J., Khaghani D.

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19:30–
23:00



BANQUET