The Seventh International EMMI Workshop on
Plasma Physics with Intense Heavy Ion and Laser Beams at FAIR

9–10 December 2014, Moscow, Russia

Organized by: *Joint Institute for High Temperatures (JIHT) RAS, Moscow*
Gesellschaft für Schwerionenforschung (GSI), Darmstadt,
Extreme Matter Institute (EMMI), Darmstadt
Facility for Antiproton and Ion Research (FAIR), Darmstadt,
Institute for Theoretical and Experimental Physics (ITEP), Moscow,
Institute of Problems of Chemical Physics (IPCP) RAS, Chernogolovka

The Seventh International Workshop on Plasma Physics with Intense Heavy Ion and Laser Beams at the Facility for Antiproton and Ion Research (WILB2014) will be held from Tuesday, December 9, to Wednesday, December 10, 2014, **in the Presidium of the Russian Academy of Sciences, Leninskiy prospekt 32a, Moscow, Russia.**

This workshop is a continuation of serial meetings within the framework of the Memorandum of Understanding between GSI, EMMI and JIHT RAS for cooperation in the investigation of hot and dense plasmas and in the development for accelerator and laser based plasma physics in GSI and JIHT RAS, signed in November 2008.

Organizing committee:

V.E. Fortov (chair), D.H.H. Hoffmann (co-chair), T. Stoehlker (co-chair), N.E. Andreev, R. Bock, A.A. Golubev, K.V. Khishchenko (local-chair), T. Kuehl, P.R. Levashov, V.B. Mintsev, O.N. Rosmej, B.Yu. Sharkov.

The workshop is focused on the research field of heavy-ion and laser beams interaction with matter, in particular the creation and exploration of matter at extreme conditions.

The main topics of the workshop include:

➢ Fundamentals of heavy-ion and laser interaction with plasma: Status of high-energy-density research

➢ Day one experiments with first heavy ion beam parameters at FAIR 2018–2022: Fundamental physics of extreme states of matter and diagnostics of relevant processes

➢ Plasma physics experimental area: Review of technical design reports

➢ Joint FAIR-relevant experiments 2015–2018 at the PHELIX-laser, GSI

For details and registration please visit the Workshop Website:

http://www.ihed.ras.ru/wlib2014/