

Dear colleagues,

We are pleased to inform you that the Joint Institute for High Temperatures of the Russian Academy of Sciences (JIHT RAS), Moscow, and the ExtreMe Matter Institute (EMMI), Darmstadt, are organizing the Third Workshop on Plasma Physics with Intense Laser and Heavy Ion Beams.

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. Currently we are waiting for the formal approval of the EMMI program advisory committee, which we expect by the middle of April 2010.

The workshop will take place on May 20-21st, 2010, at the Presidium of Russian Academy of Sciences, Moscow, Russia.

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, including inertial fusion and astrophysical implications.

The research activities in these fields have long term collaborations between GSI, Germany, and leading Russian Institutions: JIHT RAS, Institute of Theoretical and Experimental Physics (ITEP), Moscow, Institute of Problems of Chemical Physics (IPCP) RAS, Chernogolovka, Lebedev Physical Institute (LPI) RAS, Moscow, and VNIIEF, Sarov. One of the objects of the workshop is to survey the current progress in the Russian–German collaboration of the involved Institutions in the research on Plasma Physics with Intense Laser and Heavy Ion Beams.

The main topics of the workshop include:

1. Status of the scientific program with femtosecond and nanosecond – PHELIX laser pulses in GSI.
2. Status of current experiments at Russian Laser Facilities (JIHT RAS, VNIIEF).
3. Status of the FAIR-relevant scientific programs with heavy ion beams at SIS18 (IPCP RAS, ITEP, GSI, JIHT RAS).
4. Status of current experiments at Russian accelerator facilities (ITEP).
5. Progress in target physics (LPI RAS, JIHT RAS).
6. Short and long-range planning for experiments and installations at PHELIX, SIS and FAIR.

A second announcement and further information on the workshop website <http://www.ihed.ras.ru/emmi2010/> will be provided after the formal approval by the EMMI program advisory committee.

We would greatly appreciate your participation in the workshop.

Please confirm your intention to participate in the workshop filling out the pre-registration form on the workshop website and submit your presentation abstract via the same website, <http://www.ihed.ras.ru/emmi2010/contribution/>, by April 12th, 2010.

With best regards,

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