

RUSSIAN ACADEMY OF SCIENCES
Scientific Council for low-temperature plasma physics
FAIR-RUSSIA RESEARCH CENTRE
MIPT educational Center "Physics of high energy density matter"
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Seminar for young scientists
Physics of high energy density in matter

21 - 22 November 2011, FAIR-Russia Research Centre, Moscow

Monday, November 21

10:00–10:30 **Boris Sharkov** (FAIR) /Opening talk /
FAIR Project. State of the art.

10.30-11.15 **Alexander Golubev** (ITEPh, Russia)
Proton radiography in physics of high energy density matter
(*invited lecture*)

11:15 – 11:30 Coffee break

11.30-12.15 **Mikhail Polikarpov** (ITEPh, Russia)
QCD, heavy ion collisions, condensed matter physics and supercomputers
(*invited lecture*)

12.15-13.00 **David Blaschke** (University of Wroclaw // JINR, Dubna)
Exploring the QCD phase transition at highest baryon densities with
NICA-MPD and FAIR-CBM
(*invited lecture*)

13:00–14:00 Lanch break

14:00–14:45 **Alexander Zakharov** (ITEPh, Russia)
Shadows as a tool to evaluate supermassive black hole parameters
and spacetime dimensions
(*invited lecture*)

14:45–15:30 **Dmitriy Yakovlev** (Ioffe Institute, St-Pb, Russia)
Landau and Neutron Stars
(*invited lecture*)

15:30–16:00 Coffee break

16:00–18:00

1st Poster session (*wine & cheese*)

Tuesday, November 22

10.00–10.45 **Dieter Hoffmann** (Technical University, Darmstadt)
High Energy Density Physics with intense Heavy Ion Beams
(*invited lecture*)

10.45–11.30 **Konstantin Khishenko** (JIHT RAS)
Modeling of states of matter under intense laser pulse influences
(*invited lecture*)

11.30–11.45 Coffee-break

11.45–12.30 **Pavel Levashov** (JIHT RAS)
Ab initio calculations in physics of extreme states of matter
(*invited lecture*)

12.30–13.30 Lunch break

13.30–14.15 **Igor Iosilevskiy** (JIHT RAS, MIPT)
Non-congruent phase transitions in cosmic matter and in laboratory
(*invited lecture*)

14.15–14.40 Coffee-break

14.45–16.30

Poster competition termination. Awards.

Closure of Workshop
