

# Helmholtz Institute Jena - NEWS

## THEORY SYMPOSIUM

Helmholtz Institut Jena

Dornburger Schlösser, 31 May – 1 June, 2011

31st May, 2011

12:00 Lunch  
14:00 Welcome: A few words on HI Jena (Thomas Stöhlker, HI Jena)  
14:15 Thomas Heinzl, Univ. Plymouth  
"Quantum Electrodynamics at Ultra-High Intensities"  
14:45 Alejandro Saenz, HU Berlin  
"Ionisation dynamics in intense laser fields: entering the relativistic regime"  
15:15 Dirk Gericke, Univ. Warwick  
"Warm Dense Matter - a Highly Correlated Quantum State"  
15:45 Coffee & poster  
16:15 Adriana Gagyi-Palfy, MPIK Heidelberg  
"Nuclear dynamics in coherent x-ray fields"  
16:45 Carsten Müller, MPIK Heidelberg  
"High-energy atomic and QED processes in strong laser fields"  
17:15 Stephan Fritzsche, Univ. Oulo  
"Ionization dynamics of atoms and ions in strong fields"  
17:45 Stefan Skupin, FSU Jena und MPIPKS Dresden  
Ultrashort light sources from laser matter interaction  
18:30 Dinner

1st June, 2011

09:00 Michael Bonitz, Univ. Kiel  
"Progress in Strongly correlated Coulomb Systems,"  
9:30 Jörg Jäckel, Univ. Durham  
"Exploring Fundamental Physics @ Low Energy but High Intensity"  
10:00 Ulrich Jentschura, Univ. Missouri  
"Field Theory under Extreme Conditions"  
10:30 Coffee & poster  
11:00 Andrey Surzhykov, Univ. Heidelberg  
"Parity violation studies with heavy ions"  
11:30 Antonino Di Piazza, MPIK Heidelberg  
"Testing strong-field CED and QED with intense laser pulses"  
12:00 Closing remarks (Holger Gies, HI Jena)  
12:15 Lunch  
14:00 visit to HI Jena and collaborating university institutes



Mai 2011

**HI-Jena Member – Meeting**

All members of the HI-Jena meet at a jour fixe every two weeks. A scientific presentation will be given by one of the members which should be followed by fruitful discussion to assure a regular exchange. The next meeting takes place on Thursday, May 26, 4 pm to 5 pm. Topic **Generation and x-ray**

**diagnostic characterization of matter at extreme astrophysical conditions in the laboratory**

by **Paul Neumayer GSI**

Abstract and further Information here: <http://tinyurl.com/23ka32b>

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