

## Kick-Off Workshop: Atomic, Molecular, and Plasma Physics within PNI

15.4.2010	Action	16.4.2010	Action
10:00-12:00	Visit of Photon Facilities at DESY	9:00	<b>Selected Physics Topics</b> Plasma Physics (each 25+5): at DESY          S. Toleikis at GSI             P. Neumayer Atomic Physics: at DESY          K. Tiedtke at GSI             D. Winters
13:30	Welcome	11:00	Coffee Break
13:45	<b>The PNI Facilities and their Research Programs</b> DESY (35+5) J. Feldhaus GSI (35+5) A. Bräuning-Demian FZD (20+5) U. Schramm HI-Jena (20+5) Th. Stöhlker	11:30	<b>Theory: Challenges</b> (each 15+5) S. Fritzsche      Multi photon dynamics of atoms and ions in strong fields H. Gies:          Fundamental Physics in Strong Electromagnetic Fields T. Schlegel      Efficient ion acceleration and strong radiation emission driven by super-intense laser fields B. Ziaja          Kinetic equation approach to describe dynamics of irradiated samples
16:00	Coffee Break	13:00	Lunch
16:30	<b>Instrumentation and Methods</b> (each 15+5) R. Grisenti                      Liquid droplet target beam U. Spillmann/J. Viefhaus      X-ray and photon detection I. Uschmann                      X-Ray polarimetry  W. Quint                          Ion source/traps R. Fäustlin                        Thomson Scattering M. Harmand                        XANES to study WDM M. Bussmann                      Structured targets	14:00	<b>Discussion of Common Research Activities</b>
19:30	Dinner	16:00	End



(DESY, April 15-16, 2010)