

Workshop "X-ray Scattering and Rheology – Perspectives at DORIS III and PETRA III"



Friday 26 September 2008 - Friday 26 September 2008

HASYLAB at DESY

Scientific Programme

9.00 – 9.20 Bernd Struth, HASYLAB

"Welcome and Introduction"

9.20 – 9.40 Gerhard Grübel, HASYLAB

"X-rays for combined Rheology and Scattering Experiments at DESY"

9.40 – 10.00 Dmitri Novikov, HASYLAB

"Introduction to X-ray scattering"

10.00 – 10.20 Coffee

10.20 – 10.40 Manfred Wilhelm, Karlsruhe

"Combining rheology and scattering for food and polymer science"

10.40 – 11.00 Wolfgang Binder, Halle

"Dynamics and Rheology of supramolecular polymers"

11.00 – 11.20 Peter Schall, Amsterdam

"Colloids visualize the strain distribution in sheared glasses"

11.20 – 11.40 Pierre Terech, Grenoble

"Self-assembled steroids in aqueous solutions. Two singular examples: structural and rheological properties of tubular or filamentous systems"

11.40 – 13.00 Lunch

13.00 – 13.20 Peter Fischer, Zürich

"Time resolved scattering from shear induced micellar States"

13.20 – 13.40 Stephan Förster, Hamburg

"Shearing soft crystals"

13.40 – 14.00 Matthias Ballauf, Bayreuth

"Flow behavior of concentrated suspensions and mode-coupling theory"

14.00 – 14.20 Coffee

14.20 – 14.40 Sven Richter, Dresden

"Jamming and Filler Kinetics in Complex Filled Polymer Melts and Networks: Rheology and Scattering Experiments"

14.40 – 15.00 Florian Stadler, Louvain-la-Neuve

"Perspectives of Rheo-SAXS for supramolecular micellar systems"

15.00 – 15.30 Final Discussion and visit of beamline BW1