Future Research in Soft Matter Science at Institute for Molecular Structure Science

T. Kanaya Institute for Chemical Research, Kyoto University

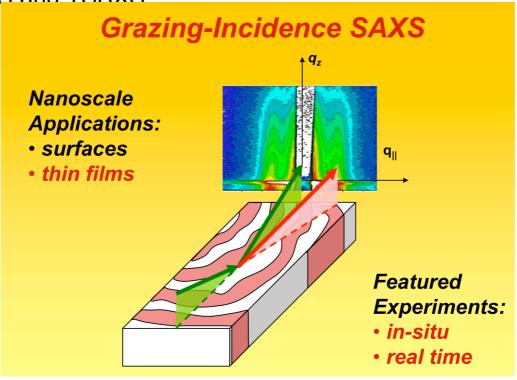
Professor Smilgies, CHESS, Cornel University

Surface and interface

Nanoscience

real time and in-situ experiments of solvent annealing of copolymer thin films and self-organization processes during swelling or drying by

GISAXS and TSAXS

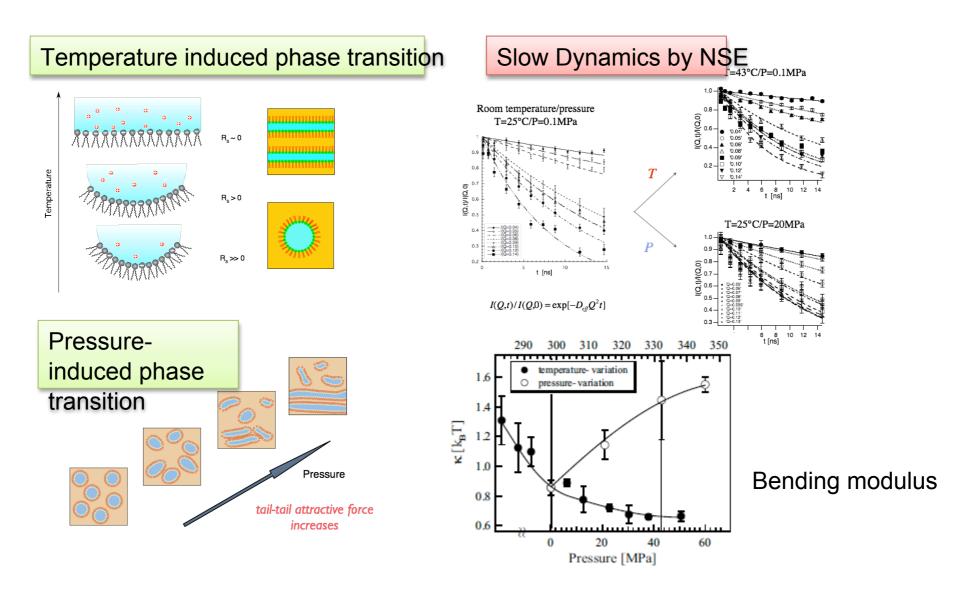


Future ERL beamline: Microbeam + SAXS

Professor Seto, KEK

Hierarchical Structure and Dynamics of Soft matter

T and P dependence of structure and dynamics of microemulsion

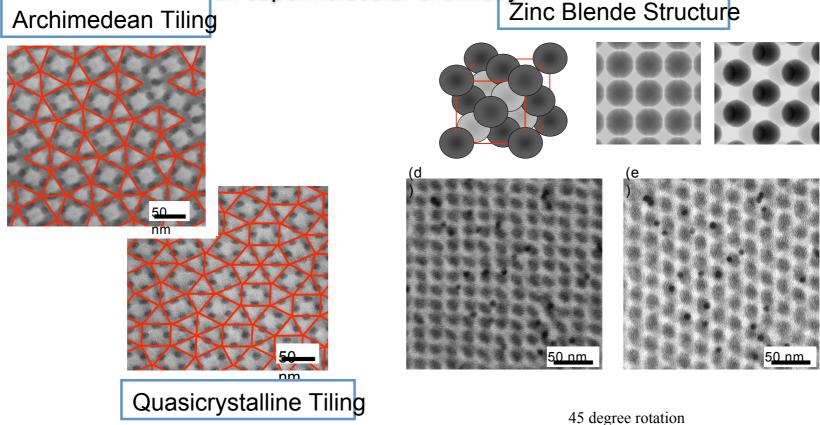


Professor Matsushita, Nagoya University

Future direction of soft matter science from material viewpoint

New Self-Assembled Structures of Polymer Systems,

based on supermolecular chemistry



◆# SAXS, SANS study

◆Involving the supermolecular chemistry peop

Future Research Directions in Soft Matter Scien

Slow Dynamics

Surface and Interface

Neutron

NSE, BS, TOF

X-ray

Inelastic

XPCS

Mössbauer

Soft Matter

Self-Assembled

Polymers

Functional Materials

Neutron and X-ray reflectometer GISAXS, GIWAXS GISANS, GIWANS

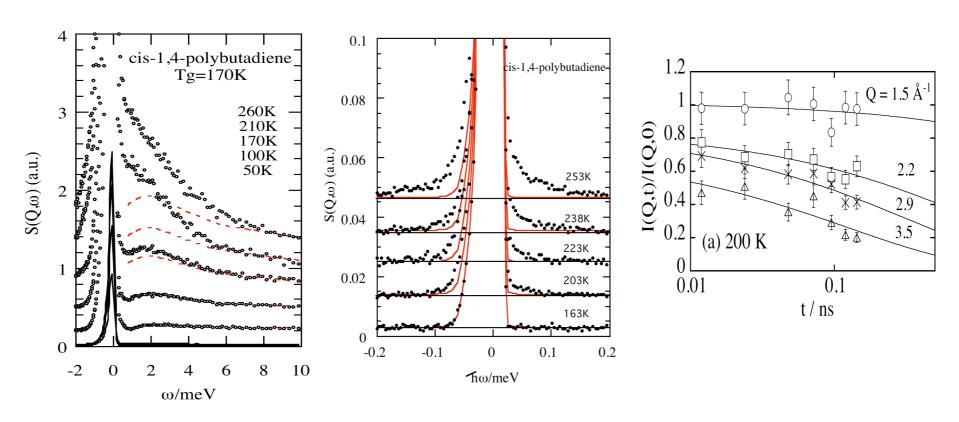
No Muon

Nanostructure

SAXS, SANS USAXS, USANS Industrial Applications

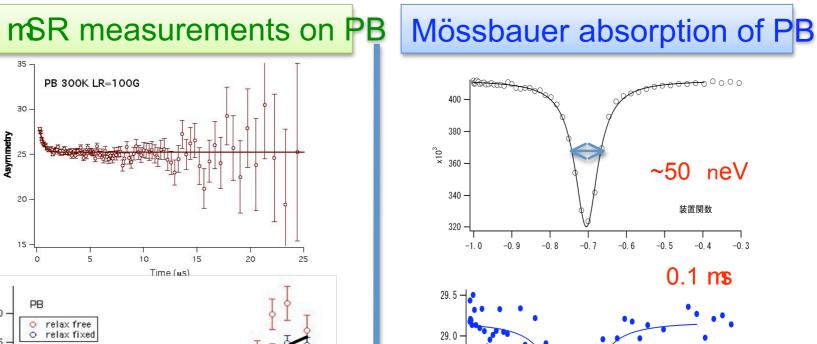
Nano-Science

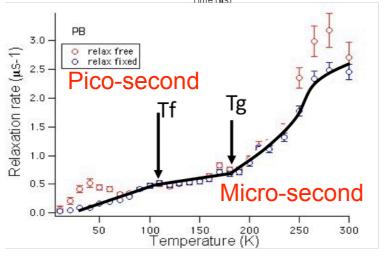
Dynamics of Glass-forming Polymers by inelastic neutron scattering

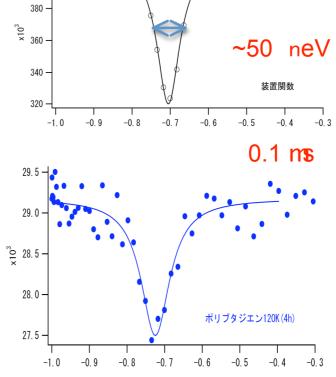


TOF, BS and NSE spectrometers Wide time scale from ps to ns

Dynamics of Glass-forming Polymers by mSR and Mössbauer absorption







Close interactions and collaborations among different probes are necessar