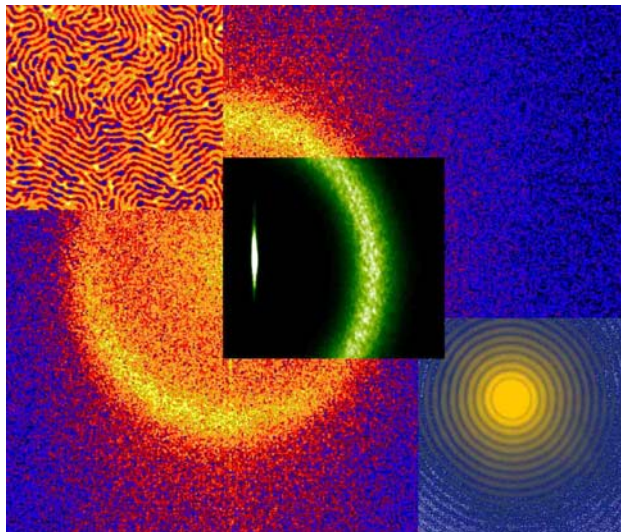


# SFB 608

## Einladung zum Kolloquium

- Ort:** Universität zu Köln  
II. Physikalisches Institut, Seminarraum 201
- Zeit:** Mittwoch, 02.02.05, 14 Uhr c.t.
- Sprecher:** Jeroen Goedkoop  
van der Waals Zeeman Institute  
University of Amsterdam
- Thema:** Structure and dynamics of domain studies |studied  
with soft x-ray scattering

Thin films with perpendicular anisotropy display a huge variety in magnetic domain structures, including stripe and dot phases. In this talk I will give an overview of our work on these systems. Firstly, we have used field dependent soft x-ray scattering to determine the evolution of the complex three-dimensional domain wall structure. Secondly we have used the coherence of third generation synchrotrons to study speckle pattern which reflect the local structure of the magnetic domain system. Finally, I will discuss time resolved experiments using a magnetic pump/x-ray probe technique to follow the dynamics of domain nucleation and wall propagation with a time resolution of 100 ps.



Gez. Prof. H. Tjeng