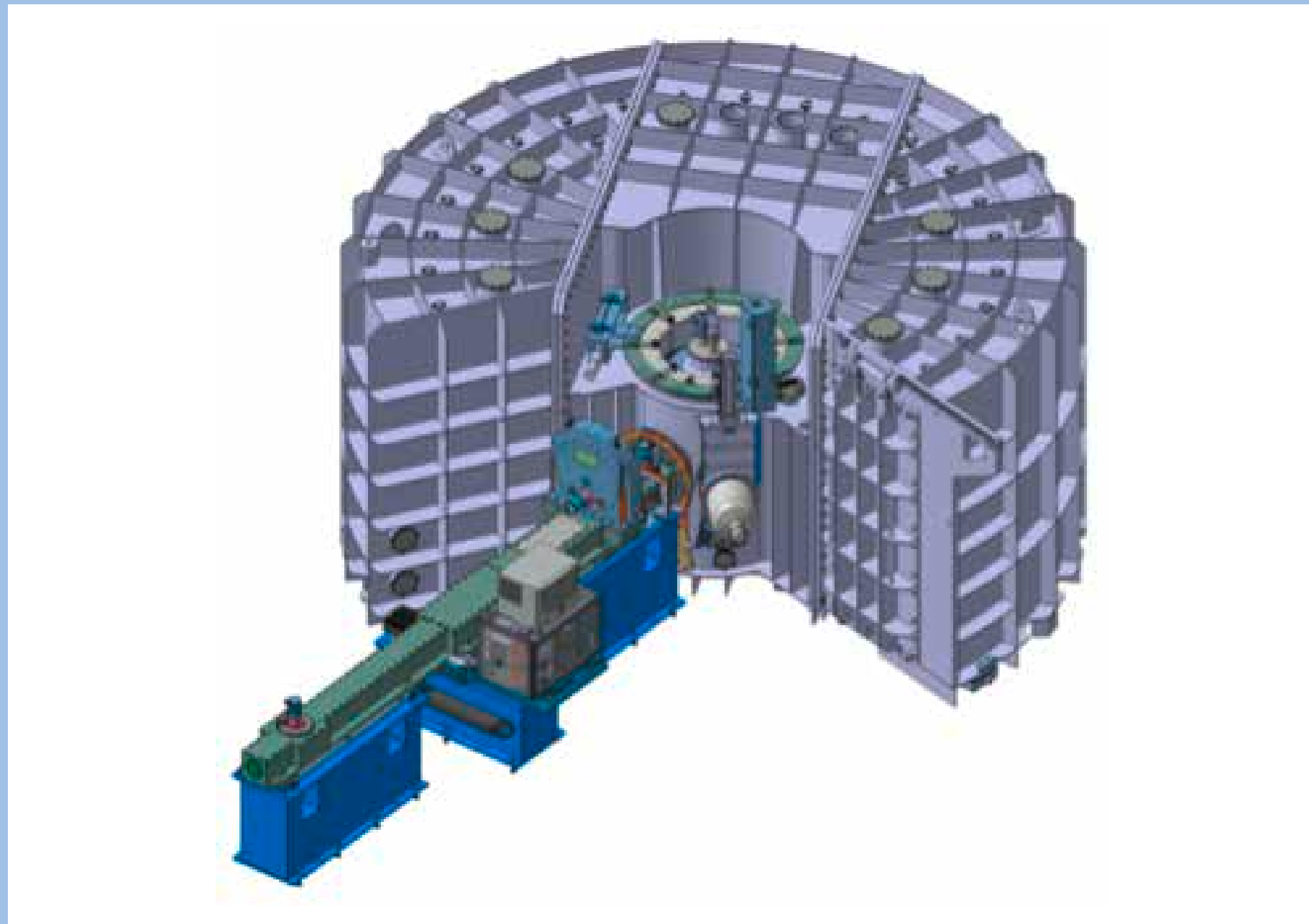


SIMULATION AND DATA LABORATORY ELECTRONS AND NEUTRONS

PROBING MATTER AND MATERIALS



- **Electron Microscopy Data**
- **Neutron Scattering Data**
- **Simulation Results**
- **Common Tools and Methods**
- **Access to High Performance Computing Resources**
- **Data Management**

Data Sources

- Electron Microscopy (TEM/STEM)
- Neutron Scattering (SANS/NSE)
- Simulation (micromagnetic/multi-slice)

User Support in High Performance Computing

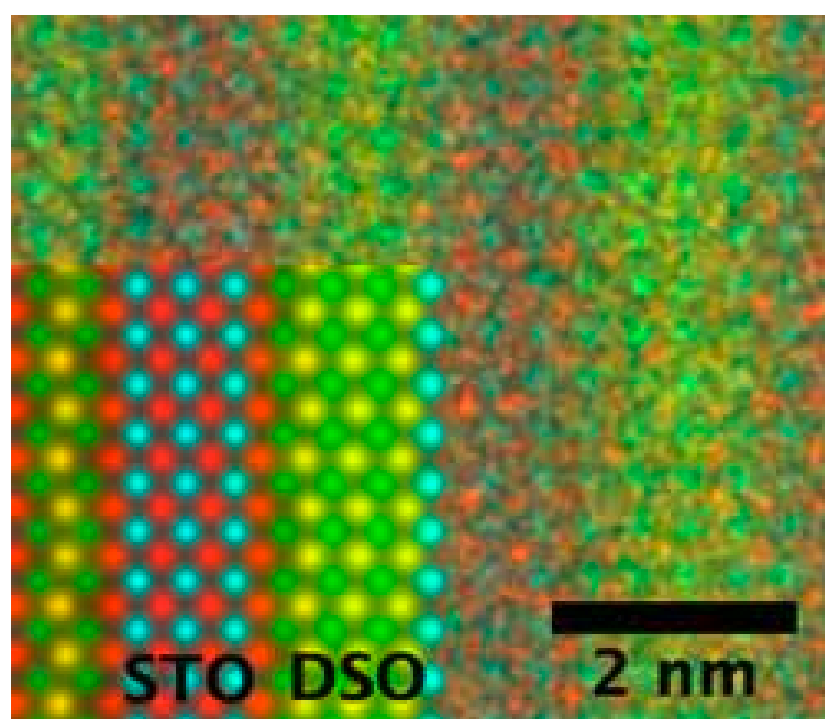
- Compute time applications
- System setup
- Benchmarking

Method development for Data Analysis

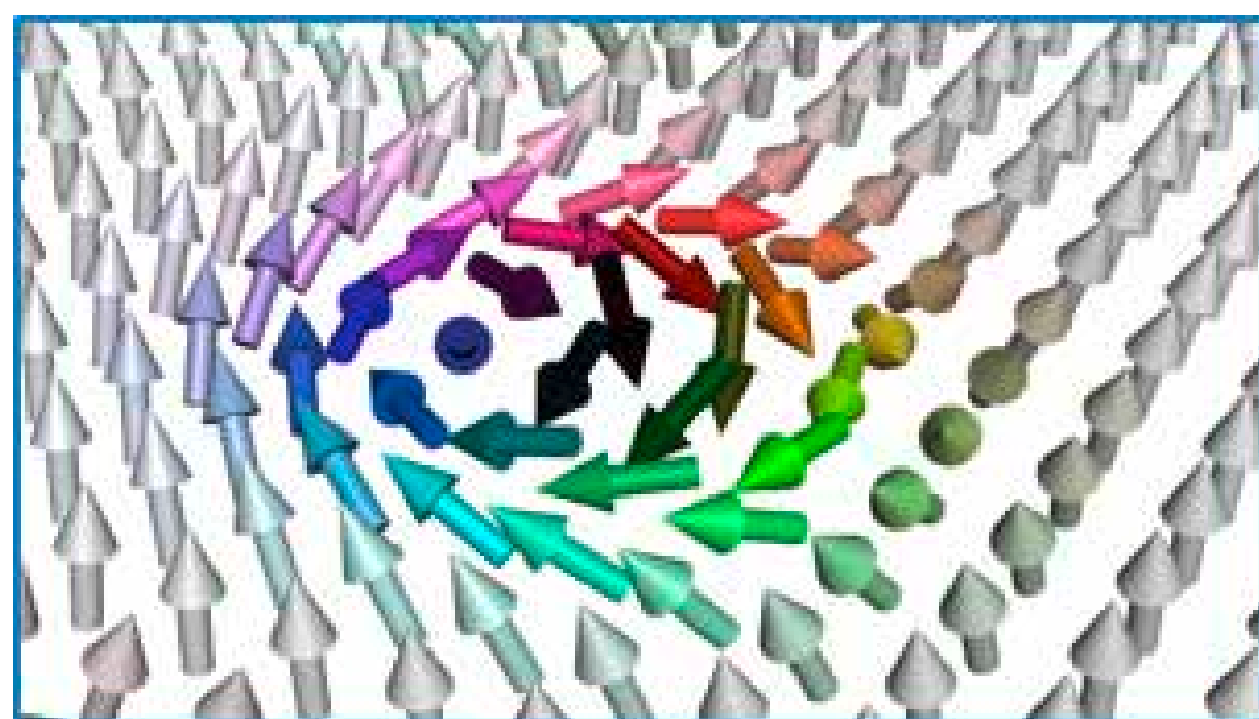
- LiberTEM
- EM-Holography
- Machine Learning for Scattering patterns

Data Management

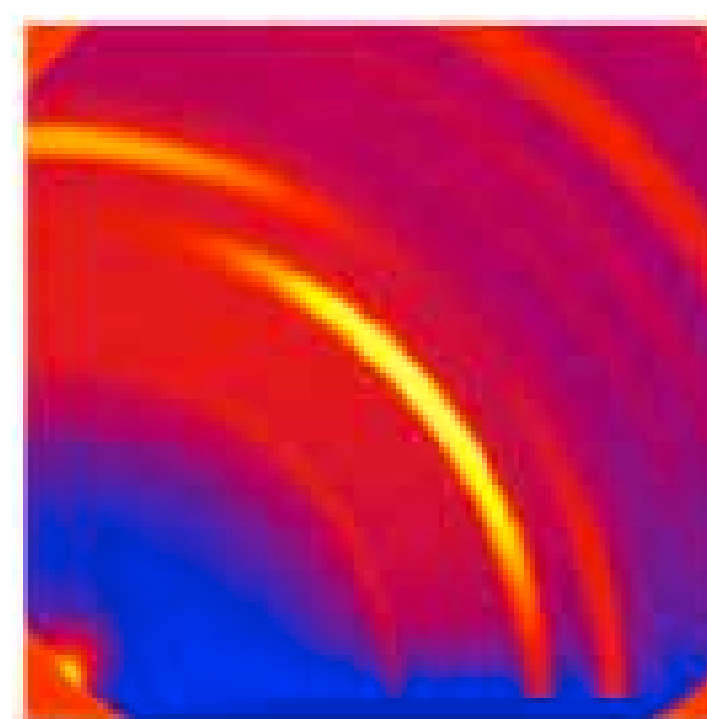
- Electronic Lab Book



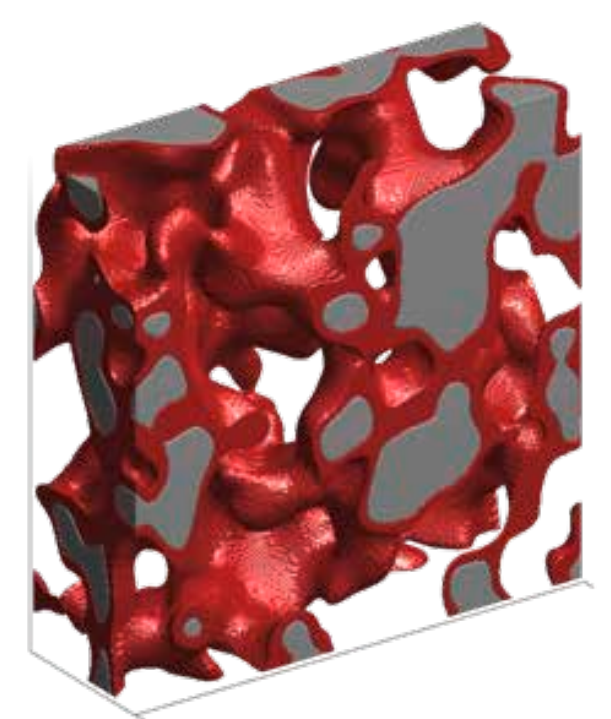
Electron microscopy image



Micromagnetic simulation



Neutron scattering data



Liquid phase model