



Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II) Technische Universität München



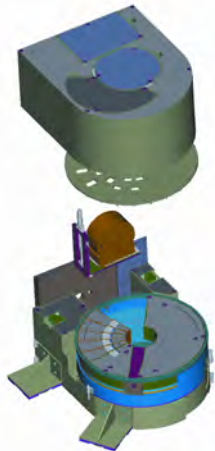
ACCESS Activity presentation
by Jürgen Neuhaus
General Assembly in Villigen, CH
March 31, 2009



Reactor operating 4 cycles of 60 days per year
<http://www.frm2.tum.de>

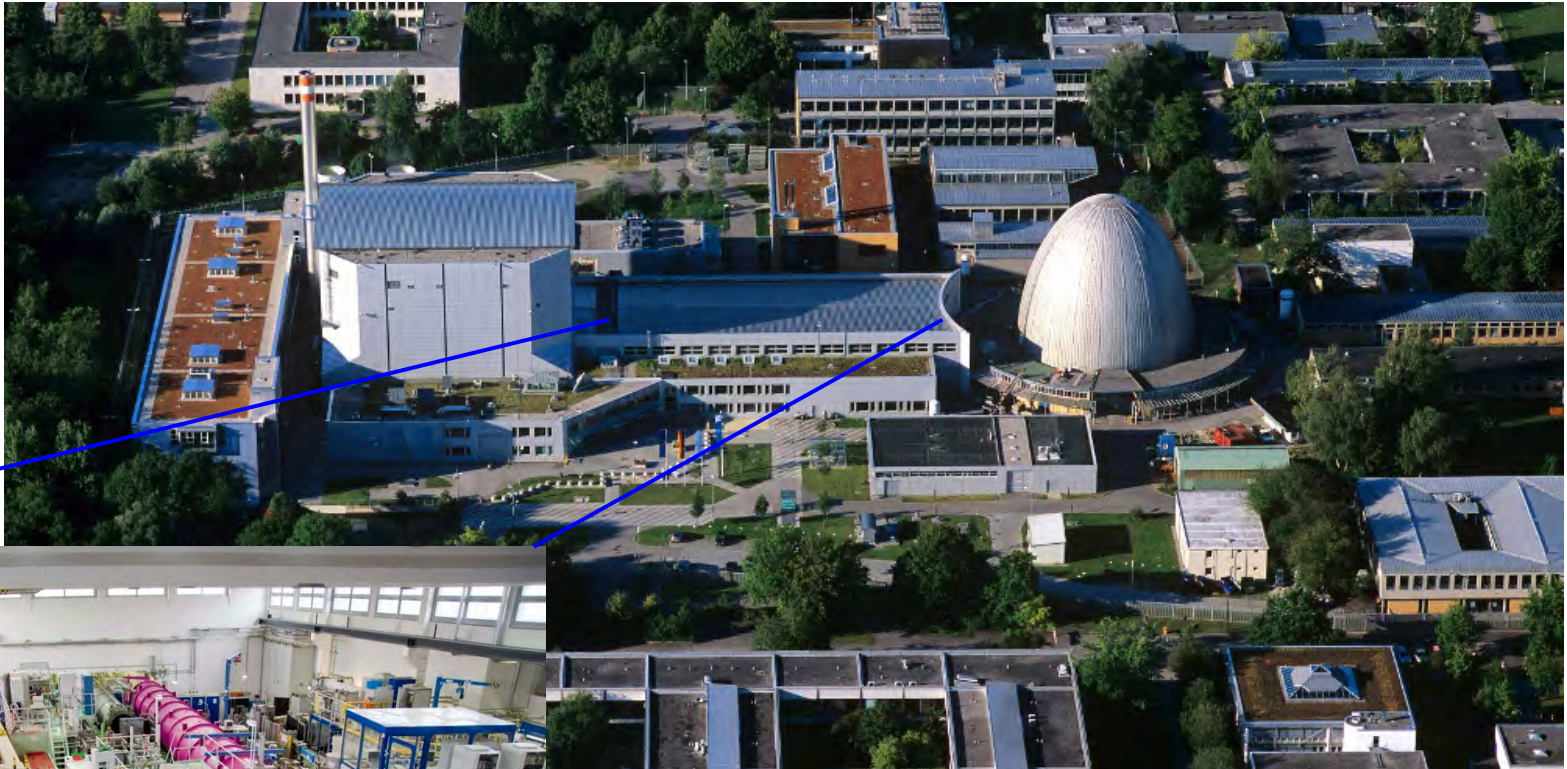


Online proposal submission twice a year, January, August
<http://user.frm2.tum.de>

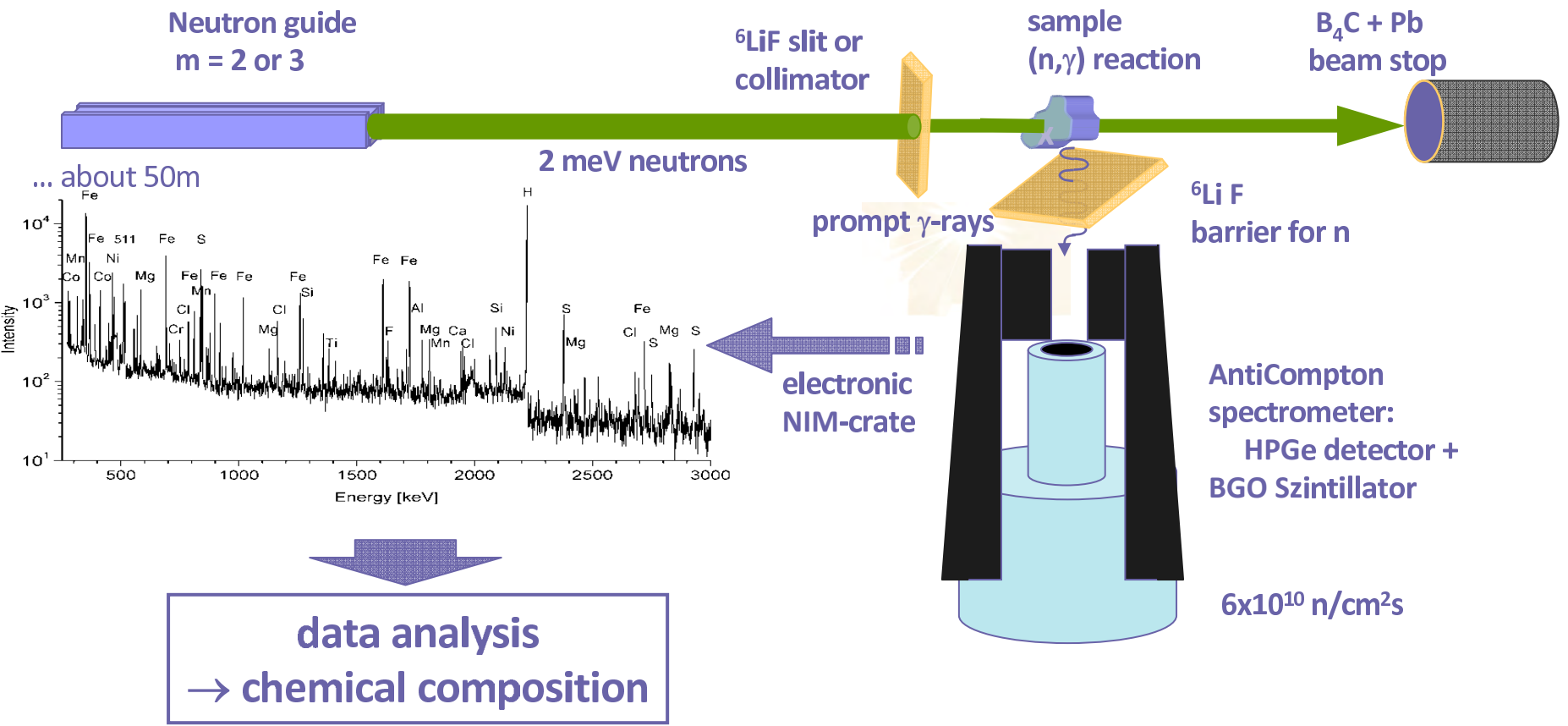


Cold, thermal, hot and fast neutron beams, positrons

18 instruments fully operational, 1 commissioning, 3 under construction



New instruments, PGAA, PGAI (Univ. Köln, RCM TUM)



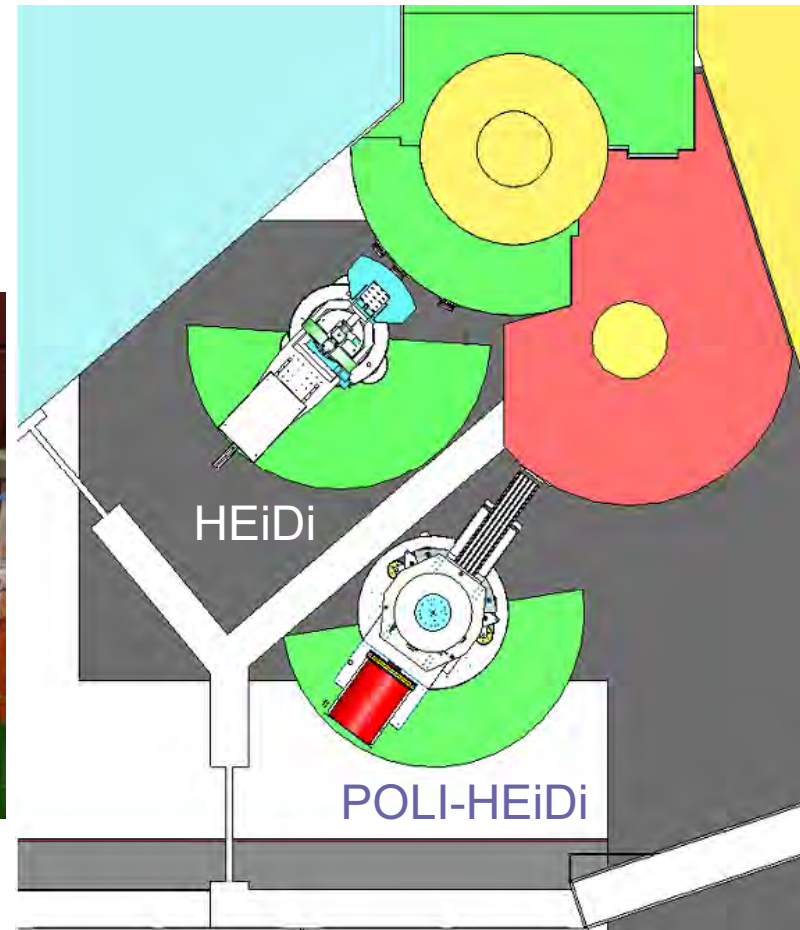
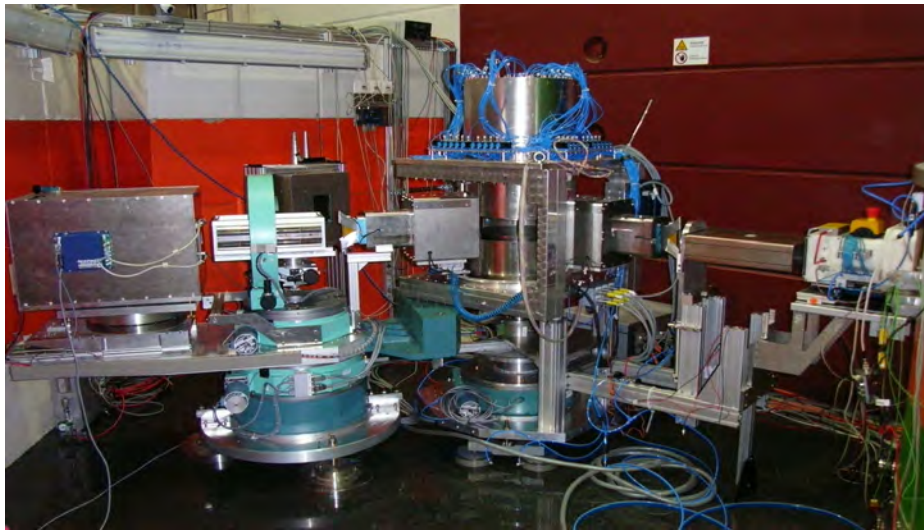
New instruments, SANS-1 under construction



2x23m
1x1m detector
Variable collimation
2 selectors

Collaboration :
GKSS, FRM II

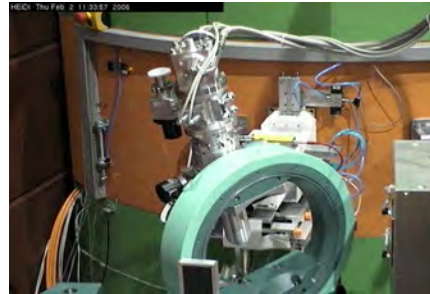
New instruments, POLI-Heidi



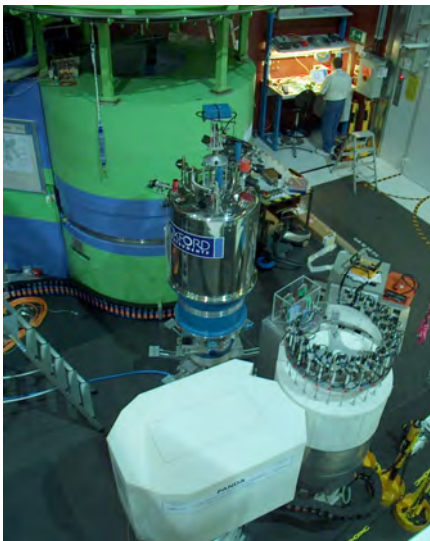
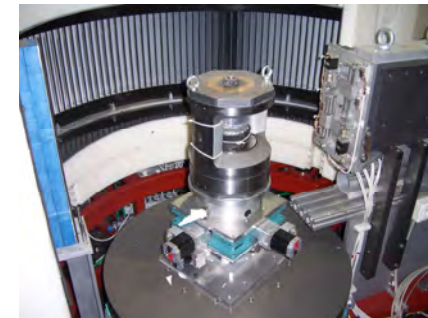
New instruments, improved sample environment



Liquid cooling free cryogenic systems

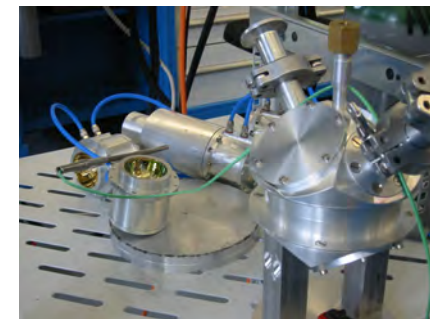


High pressure cells



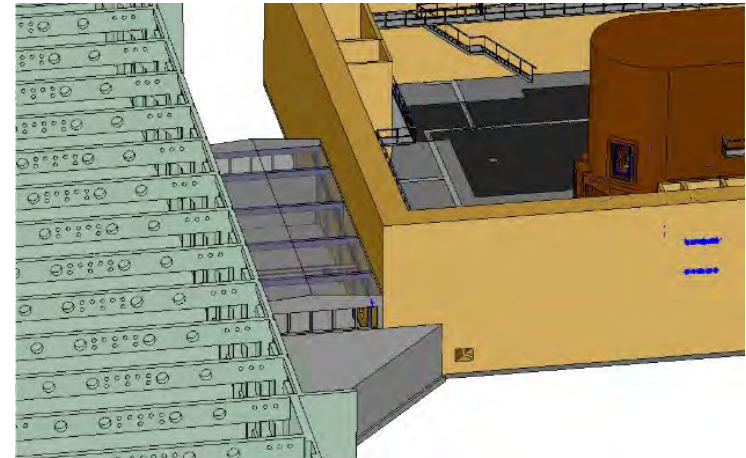
High performance magnets

High temperature furnaces



New instruments, outlook

- Connection of new building (neutron guide hall east)
- Replacement of positron source 2010
- Extension of irradiation facilities
- UCN source
- New buildings (office-laboratories, neutron guide hall south)



Instruments under construction:

- Compass, cold three-axis spectrometer for polarized neutrons (Univ. Köln, TUM)
- Bio-diff, protein crystallography cold neutrons (FRM II, JCNS)
- SANS-1 (GKSS, FRM II)

- Maria, reflectometer high flux (JCNS)
- TOPAS, thermal time-of-flight spectrometer (JCNS)
- KWS-1, KWS-2, KWS-3 (JCNS)
- Powtex, time-of flight diffraction (RWTH Aachen, Univ. Göttingen, JCNS)



Your place in Europe, Strategy for the future

35% of European users
Looking for new users in new countries!
Common advertisement with NMI3

Workshops for dedicated scientific areas

No **general** collaboration with other methods required.

Proposals submitted to FRM II by country

