

Workshop

Neutron imaging and tomography. New applications and developments.

Evian Les Bains, Haute Savoie

October 5 – 6th 2015

Motivation

The focus of this workshop is to present the state of the art of neutron imaging and tomography techniques to image large objects (10-100mm) with spatial resolutions in the range 10-100 μ m.

We aim at illustrating the possibilities of neutron imaging in a wide range of materials science problems.

The complementarity of the different imaging techniques such as X-ray imaging and NMR imaging will also be discussed.

Topics

- Liquid flows in porous materials (soils, rocks, fuel cells)
- Agro food applications (hydration processes)
- Metallurgy (texture and strain mapping)
- Cultural heritage and archeology
- Paleontology
- Image processing and tomographic reconstruction

Organisation

C. Dewhurst (ILL, Grenoble)
I. Grillo (ILL, Grenoble)
C. Loupiac (AGROSUP, Dijon)
L. Michot (UPMC, Paris)
F. Ott (LLB, Saclay)

Keynote speakers

J. Baruchel (ESRF, Grenoble)
P. Boillat (PSI, Villigen)
E. Lehmann (PSI, Villigen)
P. Levitz (UPMC, Paris)
D. Sakellariou (CEA, Saclay)
M. Strobl (ESS, Lund)

Further information at
<http://www.sfn.asso.fr/JDN>