

Brittany Synchrotron Radiation and Resonance School and Symposium

<http://bsrs3.sciencesconf.org/>

BSRS³

Scattering and Resonance facilities are most powerful probes of order, disorder and dynamics in matter. They can be applied to almost all states of matter, liquid, amorphous, ordered and disordered crystals and biological materials. Although the complementarity of scattering (X-ray, synchrotron, electrons, neutrons) and resonance (N.M.R.,...) seems obvious, the specific complexity of each approach has created a regrettable gap between the two communities.

The goal of this school is to address the richness and the usefulness of combining scattering and resonance data to gain insight into the properties of matter. Following BSRS¹ ("Spectroscopy"), BSRS² ("Crystallography"), BSRS³ will cover the third theme of a three cycling course program, dealing with "Disorder and Dynamics".

The BSRS³, a one-week school for PhD students, post-docs and young researchers, aims at diffusing the knowledge on these scattering and resonance methods.

Program

	9.00 - 12.00	14.00 - 17.00
Monday 14/03	Scattering versus resonance methods C. Odin (UR1)	Structural order and disorder in matter : Coherent scattering methods P. Rabiller (UR1)
Tuesday 15/03	Structural order and disorder in matter : Resonance (N.M.R) methods S. Cadars (IMN Nantes)	Dynamical processes in matter : Coherent scattering methods J. Ollivier (ILL Grenoble)
Wednesday 16/03	Dynamical processes in matter : Resonance (N.M.R) methods M. Deschamps (Orléans), L. LePolles (Rennes)	Tutorial Magnetic Resonance / Diffraction
Thursday 17/03	Dynamical processes in matter: incoherent scattering methods S. Longeville (LLB Saclay)	Resonance imaging H. Saint Jalmes (Rennes)
Friday 18/03	Visit to Leon Brillouin laboratory Saclay	Visit to NeuroSpin Saclay

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