

# JDN 22 : Journées Rossat-Mignod

Sept. 24th	Sept. 25th	Sept. 26th
9h00-9h45 Crystallography (B. Toudic)	9h00-9h45 Magnetism (R. Lescouezec, Paris)	9h00-9h45 Material Sciences (V. Paul-Boncour)
9h45-10h05 Magnetic order in frustrated Ising-like chain compound Sr <sub>3</sub> Ni <sub>2</sub> O <sub>6</sub> (E. Lefrançois)	9h45-10h05 Inelastic neutron scattering reveals magnetic excitations in High-spin and Low-spin phases of [MnIII(pyrol)3] tren (K. Ridier)	9h45-10h05 Na Fe <sub>1-x</sub> Mnx PO <sub>4</sub> (0<x<1) as positive electrode materials for Na-ion batteries (M. Giner)
10h05-10h25 From disorder to order: the case of the highly ion-conducting Li <sub>7-3x</sub> □ <sub>2x</sub> Gax La <sub>3</sub> zr <sub>2</sub> O <sub>12</sub> garnet and its protonated analogue (W. Manalastas Jr.)	10h05-10h25 Small Angle Neutron Scattering studies of magnetic Prussian-blue analogue nanoparticles CsNi[Cr(CN) <sub>6</sub> ] (G. Chaboussant)	Pause
Pause	Pause	10h35-10h55 Discovering advanced high potential materials for high energy density Li-ion batteries (M. Freire)
11h00-11h20 Introduction of the SFN Prize for thesis	11h00-11h20 Spiral magnetic structure in the iron diarsenate LiFeAs <sub>2</sub> O <sub>7</sub> : a neutron diffraction study (G. Rousse)	10h55-11h15 Effect of mechanical fatigue on structural properties of cryogenic steels (S. Hany)
11h20-11h55 Presentation by the winner of the SFN Prize	11h20-11h40 Effets de dilution sur les propriétés magnétiques du système 1D frustré Ca Cr <sub>2-x</sub> Sc <sub>x</sub> O <sub>4</sub> (M. Songvilay)	11h15-11h35 Lattice dynamics of the ionic superconductor Li <sub>4</sub> C <sub>6</sub> O: Inelastic neutron scattering and PALD investigations (S. Rols)
11h55-12h30 Conference by T. Zemb, Pdt. of the jury "Microemulsions without tensioactives?"	11h40-12h00 Inversion de chiralité des excitations magnétiques dans les matériaux multiferroïques (S. Holbein)	11h35-11h45 Closing session
Lunch	12h00-12h20 Magnetic and structural properties of alpha- and gamma- CoV <sub>2</sub> O <sub>6</sub> (M. Lenertz)	Lunch
News from LLB/ILL/ESS 14h00-14h30 D. Argyriou (ESS)	Lunch	
14h30-15h00 J-P. Visticot (LLB)	14h00-15h00 Panorama des sources (C. Alba-Simionesco, C. Simon)	
15h00-15h30 C. Simon (ILL)	15h00-15h20 Polarized single crystal magnetic diffraction at ESS (X. Fabréges)	
Pause	Pause	
16h00-16h45 Soft_Matter & Biology (S. Teixeira)	16h00-16h20 Le spectromètre IN16B (B. Frick)	
16h45-17h05 Membrane functionalisation using Polyrotaxanes with modified cyclodextrins (T. Charitat)	16h20-16h40 Le spectromètre Fa# (S. Rodrigues)	
17h05-17h25 Solvent contribution to the stability of a physical gel characterised by quasi-elastic neutron scattering (M. Plazanet)	16h40-17h00 FAULTS: an accessible program for refining powder diffraction patterns of layered structures (M. Reynaud)	
17h25-17h45 Dispersion of modified silica nanoparticles in a PEA matrix following an original aqueous route (C. Schmitt)	Pause	
17h45-18h05 Un modèle classique de collisions pour décrire la diffusion de roues dentées nanométriques (P. Fouquet)		
Pause		
18h15-19h30 Poster session	18h15-19h30 SFN General Assembly	
Dinner	Dinner	
	20h30-22h00 JDN's party	