

JDN 2025

Monday, 2 June 2025

No lunch organised (some lunch-bags available if needed) (12:15 - 13:45)

Invited speakers (13:45 - 15:15)

time	title	presenter
13:45	HP-QENS reveals how plastic water is	BOVE, Livia
14:15	The new D007 permanently-polarized diffuse scattering instrument at the ILL	MANGIN THRO, Lucile
14:45	1D nanoporous membrane boosts the ionic conductivity of electrolytes	BERROD, Quentin

coffee break (15:15 - 15:45)

Contributed talks (15:45 - 17:00)

time	title	presenter
15:45	On De Gennes Narrowing of Fluids Confined in Nanoporous Materials	COASNE, Benoit
16:00	Bond-dependent interactions and ill-ordered state in the honeycomb cobaltate BaCo ₂ (AsO ₄) ₂	DEVILLEZ, Armand
16:15	In Situ SAXS and SANS Monitoring of Both Nanofillers and Polymer Chain Microstructure under Uniaxial Stretching in a Nanocomposite with a Controlled Anisotropic Structure	Dr COUSIN, Fabrice
16:30	Enhanced dynamics in disordered non-Kramers spin ice Ho ₂ (Ti _{1-x} Hf _x) ₂ O ₇ : toward the Coulomb quantum spin liquid state	BUJAULT, Nathan
16:45	Diffraction data processing for DREAM at the European Spallation Source	DURNIAK, Celine

break (17:00 - 17:15)

SFN AG & ENSA news (17:15 - 18:15)

Posters (18:15 - 20:00)

time	title	presenter
18:15	Design of an Inelastic Neutron Spectrometer for the French ICONÉ project	KARYOS, Kyriakos
18:30	Dynamics of the critical phonon modes in quantum paraelectric SrTiO ₃	DENG, Shiyu
18:45	Aqueous solubilization of hydrophobic compounds by inorganic nano-ions: An unconventional mechanism	Dr CHAZAPI, Ioanna
19:00	Water Intrusion in Nanoporous Materials: Implications for Energy Storage	MARESCOT, Thomas
19:15	Probing Hydrogen Diffusion in Coal for Geological Storage via Quasielastic Neutron Scattering	HE, Xinxin
19:30	The ICONÉ project: towards a new neutron source in France for materials science and industry	OTT, Frederic

dinner (20:00 - 21:30)

Tuesday, 3 June 2025

Invited speakers (08:45 - 10:15)

time	title	presenter
08:45	Surprises from polymer topology and hydrodynamics	LIKOS, Christos
09:15	Altermagnetism and neutron scattering	MCCLARTY, Paul
09:45	Invisible nanodiscs and their formation process, by SANS	MARTEL, Anne

coffee break (10:15 - 10:45)

Inclusion (10:45 - 11:45)

lunch (11:45 - 13:15)

Contributed talks (13:15 - 14:30)

time	title	presenter
13:15	Deciphering membrane protein structures through scattering and modeling: insights into TSPO, a neuroimaging key marker	COMBET, Sophie
13:30	SAM: a new SANS instrument at the ILL	METILLI, Lorenzo
13:45	L'étude de vieillissement des électrodes de batteries Li-ion par imagerie neutronique	ONEY, Gozde
14:00	Effect of the magnetic metal site on the dipolar-octupolar pyrochlores Nd ₂ Ru ₂ O ₇ and Nd ₂ Ir ₂ O ₇	Dr MORINEAU, Felix
14:15	Optical molecules in MFI-type zeolites: the unique assets of neutron scattering to complex systems	Dr PORCHER, Florence

excursions (14:30 - 19:00)

Invited speakers: PhD award (19:00 - 20:00)

time	title	presenter
19:00	Nanometer-size superchaotrope ions or a new class of solubilizers	DIAT, Olivier
19:30	PhD award	

Conference dinner and party (20:00 - 23:59)

Wednesday, 4 June 2025

Invited speakers (09:00 - 10:30)

time	title	presenter
09:00	BIFROST: an indirect geometry spectrometer at ESS	Dr BOURGES, Philippe
09:30	Computational chemistry - scientific results and state-of the art software tools	REBOLINI, Elisa
10:00	Could fungi seeThe Last of Us? - Why and how we should study antifungal drugs using neutron reflection and lipidomics	WACKLIN-KNECHT, Hanna

coffee break (10:30 - 11:00)

Contributed talks (11:00 - 12:00)

time	title	presenter
11:00	One-dimensional hydride ion diffusion in the nitride-hydride catalyst $\text{Ca}_3\text{CrN}_3\text{H}$	FINE, Lucas
11:15	Accessing Diffusive Properties of Dilute Protein Solutions with Neutron Backscattering	BECK, Christian
11:30	Microscopic view of hydrogen adsorption in size-variant nano-clay materials	LAUNOIS, Pascale
11:45	Bowtie-Shaped Deformation Isotherm of Superhydrophobic Cylindrical Mesopores	PICARD, Cyril

lunch (12:00 - 13:30)

Invited speakers (13:30 - 15:00)

time	title	presenter
13:30	Grazing Incidence Small Angle Neutron Scattering (GISANS) applied on soft matter systems	VAGIAS, Apostolos
14:00	SAMBA: The first Small-Angle Neutron Scattering Instrument for the ICONE Compact Source	CHENNEVIERE, Alexis
14:30	Complex multi-q magnetic order and multiferroicity in spinel GeFe_2O_4	CHAIX, Laura

coffee break (15:00 - 15:30)

Contributed talks (15:30 - 16:45)

time	title	presenter
15:30	Fate of self-assembled lipid nanoparticles in a biomimetic medium	RONCIN, Hugo

15:45	Thermal conductivity in terbium-based compound : KTb3F10	IVANOV, Alexandre FAUQUÉ, Benoît ROESSLI, Bertrand RESSOUCHE, Eric DAMAY, Françoise LE BERRE, Françoise Dr BOURDAROT, Frederic LHOSTE, Jérôme DEMORTIER, OLIVIER SIBILLE, Romain PETIT, Sylvain FENNELL, Tom COLIN, claire
16:00	Near-Surface Concentration Profile of Sheared Semidilute Polymer Solutions	LAFON, Suzanne
16:15	Emergent Polar Metal Phase in a Van der Waals Mott Magnet	DENG, Shiyu
16:30	ICONE: instrument suite status	FABREGES, Xavier

Break (16:45 - 17:00)**Contributed talks (17:00 - 18:00)**

time	title	presenter
17:00	Fluids at an electrostatically active surface: Optimum in interfacial friction and hydroelectronic drag	HERRERO GUILLEN, Cecilia
17:15	Coupling Centrifugation with Neutron Scattering for In Situ Structural Control	ALBA-SIMIONESCO, Christiane
17:30	Neutron detectors	GUERARD, Bruno
17:45	Ninety years of ripening in small angle scattering instrumentation and exploitation methodology	ZEMB, Thomas

Posters (18:00 - 20:00)**dinner (20:00 - 21:30)**

Thursday, 5 June 2025

Research Infrastructures: News from neutron facilities (08:30 - 09:10)

time	title	presenter
08:30	News from ESS	FRAGNETO, Giovanna
08:40	News from ILL	JESTIN, Jacques
08:50	News from 2FDN	PLAZANET, Marie
09:00	News from LLB	DESMEDT, Arnaud

Discussions (09:10 - 09:30)

Research Infrastructures: Other RIs (09:30 - 10:10)

time	title	presenter
09:30	PSI	KENZELMANN, Michel
09:40	CERN	FREEMAN, Sean
09:50	EMFL	SIMON, charles
10:00	ESRF	DAILLANT, Jean

Discussions (10:10 - 10:30)

coffee break (10:30 - 11:00)

Research Infrastructures: Support & Users (11:00 - 11:40)

time	title	presenter
11:00	EMBL	DJINOVIC CARUGO, Kristina
11:10	Batteries hub	LYONNARD, Sandrine
11:20	FAIR data	PERRIN, Jean-Francois
11:30	Machine learning in materials science, institutional initiatives, and example of applications	JAKSE, Noel

Discussions (11:40 - 12:00)

lunch (12:00 - 13:30)

Research Infrastructures: Round table (13:30 - 14:30)