

Experimental report

15/09/2025

Proposal: TEST-3467

Council: 4/2025

Title: JCSN-ILL LAB COURSE

Research area:

This proposal is a new proposal

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Samples: Si
 Glycerol
 Silicon
 Fe₂O₃
 Ho₂Ti₂O₇
 Pb
 TiZr
 Nickel
 d-toluene (C₇D₈)
 CoFe₂O₄
 MnFe₄Si₃
 LIPIDS
 Y₃Fe₅O₁₂
 Lutidine
 Hen egg lysozyme
 polymeric micelles
 oleic acid (C₁₈H₃₄O₂, CAS: 112-80-1)
 toluene (C₇H₈, CAS:108-88-3)
 MgO/Co/Pt
 Y₂PrFeO₁₂
 C18-PEO(5K) block copolymer micelles in water. One sample partially deuterated in the PEO block
 epoxy resin, glass fibres, small amounts of Si, Cu, Ni, Ti, Ta, Fe, stainless steel, electrolyte (capacitors)

Instrument	Requested days	Allocated days	From	To
PF2 VCN	1	1	02/09/2025	03/09/2025
IN22	1	1	01/09/2025	03/09/2025
SHARPER	1	1	01/09/2025	02/09/2025
SCINT	0	0		
D9	1	1	01/09/2025	02/09/2025
SALSA	1	1	01/09/2025	02/09/2025
D4	1	1	01/09/2025	03/09/2025
FIGARO	1	1	02/09/2025	03/09/2025

D20	1	1	02/09/2025	03/09/2025
PF2 EDM	1	1	02/09/2025	03/09/2025
IN12	1	1	02/09/2025	03/09/2025
D11	1	1	03/09/2025	04/09/2025
D007	1	1		
SUPERSUN	1	1	03/09/2025	04/09/2025
D3	1	1	03/09/2025	04/09/2025
IN8	1	1	03/09/2025	04/09/2025
IN1	1	1	04/09/2025	05/09/2025
S18	1	1	04/09/2025	05/09/2025
IN16B	1	1	04/09/2025	06/09/2025
SUPERADAM	1	1	04/09/2025	05/09/2025
NEXT	1	1	04/09/2025	05/09/2025
ORIENTEXPRESS	2	2	01/09/2025	02/09/2025
			12/09/2025	13/09/2025
D22	1	1	05/09/2025	06/09/2025
IN15	1	1	05/09/2025	06/09/2025
PANTHER	1	1	04/09/2025	06/09/2025
WASP	1	1	05/09/2025	06/09/2025
D33	1	1	05/09/2025	06/09/2025
D23	1	1	05/09/2025	06/09/2025
Abstract:				

The proposal TEST-3467 was created to facilitate the accommodation of the 27th Laboratory Course in Neutron Scattering 2025 (25 August - 05 September 2025) organized this year by Jülich Centre for Neutron Science (JCNS), Forschungszentrum Jülich GmbH and Institut Laue-Langevin (ILL).

The first week consists of lectures and exercises in Jülich, Germany while the second week is a hands-on training at the world's most powerful neutron research reactor ILL in Grenoble, France, offering different neutron scattering experiments to every participant.