



NEUTRONS
FOR SCIENCE

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Institut Laue - Langevin

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A centre of excellence

- World's most intense neutron source and flagship centre for neutron science, fully funded by 15 different countries since 1971.
- 1500 researchers from over 40 countries visit the ILL each year.
- About 500 papers per year in the most prestigious peer-reviewed journals.
- 40 state-of-the-art instruments, which are constantly being developed and upgraded to offer unique capabilities in chemistry, materials science, physics, biology, medicine, etc.
- Collaboration with the R&D departments of industrial enterprises at different levels of confidentiality.



Neutrons for science

Unique characterisation competence for micro et nano-electronics

- Non-destructive probe of extremely high precision. Neutrons can penetrate deeper into matter than any other non-destructive technique.
- Strong interaction with lighter elements such as hydrogen and its isotopes. Ideal for probing samples and processes involving hydrogen.
- Neutrons detect the presence of unpaired electrons providing valuable information on the magnetic properties.



ILL is a member of the Institut de Recherche Technologique NanoElec

