



A **Research Engineer (IR)** position is open at the Laboratoire Léon Brillouin (LLB, UMR 12 CEA-CNRS)

The successful candidate will be in charge of developing the **high pressure sample environments for neutron scattering experiments**.

The employer is the CNRS (Centre National de la Recherche Scientifique). It is a Civil Service permanent position.

<b>ACTIVITIES</b>	<p>-The successful candidate will be responsible for the high pressure cells (up to 50 GPa) and associated developments for their adaptation to the neutron spectrometers.</p> <p>- Part of the time will be devoted to technical assistance to users dealing with high pressure environments. Very frequently, measurements are performed under extreme conditions (high magnetic fields, very low temperatures, high pressures).</p> <p>- The IR will collaborate with the high pressure group located at the neighboring SOLEIL Synchrotron facility.</p> <p>- He (she) may participate in fundamental research activities.</p>
<b>SKILLS</b>	<p>- The position requires excellent experimental abilities and experience in high pressure techniques. Complementary training in very high pressures will be possible in the framework of the LLB-SOLEIL collaboration.</p> <p>- Significant experience with diffraction techniques is desirable, but additional training could be provided in the Laboratory.</p> <p>- Expertise in cryogenics and magnetic fields and a working knowledge of English will be appreciated.</p>
<b>GENERAL CONTEXT</b>	<p>The Léon Brillouin Laboratory (LLB) is the French National Laboratory of Neutron Scattering, serving science and industry. The LLB uses the neutrons produced by Orphée, a 14 MW fission reactor. The LLB-Orphée facility is supported jointly by the « Centre National de la Recherche Scientifique » (CNRS) and the « Commissariat à l’Energie Atomique » (CEA). See <a href="http://www-llb.cea.fr/">http://www-llb.cea.fr/</a></p> <p>Its missions :</p> <ul style="list-style-type: none"> <li>• to promote the use of diffraction and neutron spectroscopies</li> <li>• to welcome and assist users</li> <li>• to conduct its own fundamental research programs connected with the fields of transport, energy, health and information technologies.</li> </ul>
<b>What are the stages of the recruitment process ?</b>	<p><b><u>June 3<sup>rd</sup></u> : Job openings are posted on the CNRS web site <a href="http://www.sg.cnrs.fr/drhita/concoursita/default.htm">http://www.sg.cnrs.fr/drhita/concoursita/default.htm</a> (in French) (Concours number 49)</b></p> <p><b><u>July 10<sup>th</sup></u> : Deadline for applications to be filled online (in French).</b></p> <p><b><u>September through November</u>: Selection process.</b></p> <ul style="list-style-type: none"> <li>- a short-list of qualified candidates is drawn up;</li> <li>- interview of short-listed candidates;</li> <li>- candidates are ranked after expert panel deliberations, based on the interview.</li> </ul> <p><b><u>December 1<sup>st</sup></u>: Expected job start.</b></p>