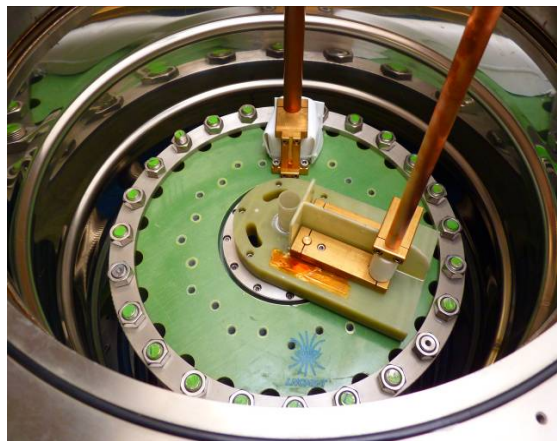


Workshop on Strongly Correlated Electrons in Extreme Conditions

Monday 9th – Tuesday 10th March, 2015

LNCMI, seminar room, 143 avenue de Rangueil, 31400 Toulouse



Contact: william.knafo@lncmi.cnrs.fr

Program:

Monday 9th march

<u>02:00 pm</u>	Daniel Braithwaite, CEA Grenoble,	<i>Strong spin fluctuations at the ferromagnetic (and probably 1st order) critical points in YbCu₂Si₂ and URhAl</i>
<u>02:30 pm</u>	Marie-Aude Méasson, LMPQ Paris,	<i>Symmetry of the excitations in the hidden order state of URu₂Si₂</i>
<u>03:00 pm</u>	William Knafo, LNCMI Toulouse,	<i>CeRh₂Si₂ under pulsed fields combined with high pressures</i>
<u>03:30 pm</u>	Jérôme Béard, LNCMI Toulouse,	<i>Pulsed magnets development at LNCMI</i>

04:00 pm coffee

04:30 pm tour of the lab

<u>05:00 pm</u>	Dai Aoki, Tohoku University / CEA Grenoble,	<i>Recent advances in ferromagnetic superconductors</i>
<u>05:30 pm</u>	Sophie Tencé, ICMCB Bordeaux,	<i>Influence of the hydrogenation on the magnetic properties of Ce compounds</i>
<u>06:00 pm</u>	Shingo Araki, Okayama University,	<i>Pressure-temperature-field phase diagram in the ferromagnet U₃P₄</i>
<u>06:30 pm</u>	Muthu Sankaran, CEA Grenoble,	<i>(P,T) phase diagram of some europium compounds</i>
<u>06:45 pm</u>	Adrien Gourgout, CEA Grenoble,	<i>New insights on the phase diagram of URhGe</i>

07:00 pm end of the talks

08:30 pm Cassoulet in Toulouse

Tuesday 10th march

<u>09:00 am</u>	Fabienne Duc, LNCMI Toulouse,	<i>Pulsed high magnetic fields for synchrotron and neutron applications</i>
<u>09:20 am</u>	Frédéric Bourdarot, CEA Grenoble,	<i>URu₂Si₂ and neutrons</i>
<u>09:50 am</u>	Sébastien Burdin, LOMA Bordeaux,	<i>Lifshitz transition in Kondo alloys</i>
<u>10:10 am</u>	Nicolas Laflorencie, LPT Toulouse,	<i>Bosonic phases in high magnetic field</i>

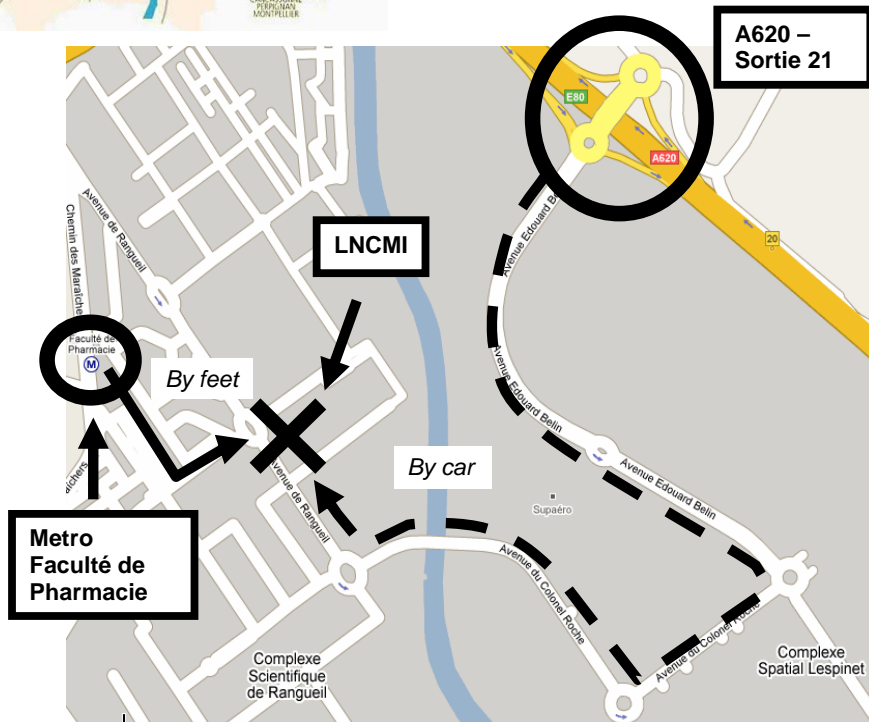
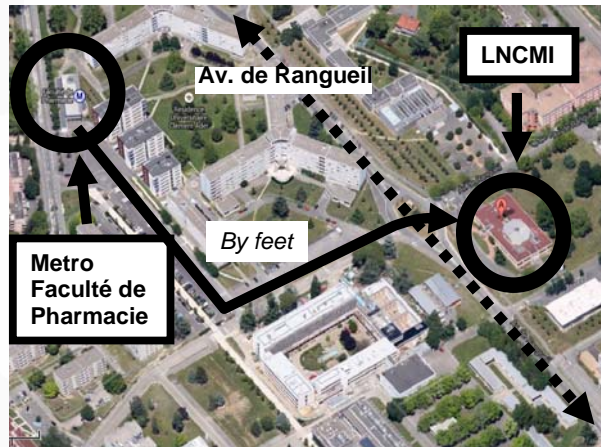
10:40 am *coffee*

<u>11:00 am</u>	Jean-Pascal Rueff, SOLEIL Saint Aubin,	<i>RIXS in heavy fermions at extreme conditions: on the road again</i>
<u>11:30 am</u>	Andrei Rogalev, ESRF Grenoble,	<i>XMCD on strongly correlated electron systems</i>
<u>12:00 am</u>	Armelle Poux, LNCMI Toulouse / ESRF Grenoble,	<i>Valence of YbCu₂Si₂ under pulsed magnetic fields</i>
<u>12:15 am</u>	José Luiz Ferreira, Institut Néel Grenoble	<i>Theory of valence transitions and magnetism in lanthanide systems</i>

12:30 am *lunch, end of the workshop*

How to come:

LNCMI, 143 av. de Rangueil
31400 Toulouse



www.toulouse.lncmi.cnrs.fr