

HERCULES

European School








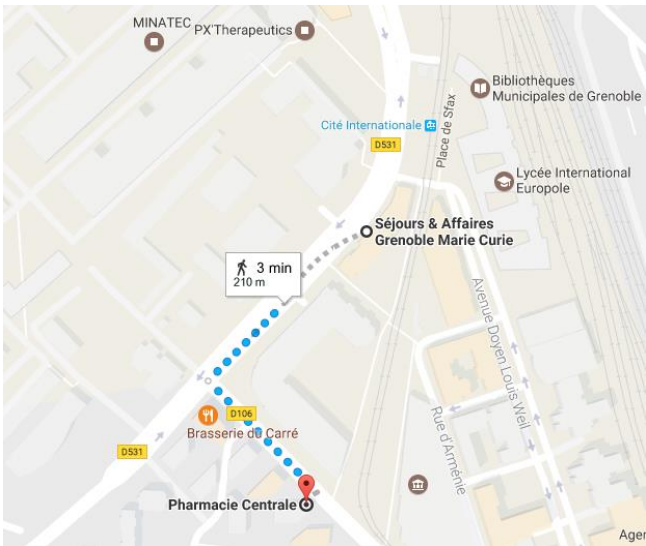



Daily Information for Your Stay in Grenoble & Your Practicals / Tutorials Session A

17th March > 19th April, 2019

*This information booklet is subject to change!
An updated version will be posted every day on HERCULES display board
located in Maison des Magistères entrance Hall.*

IN CASE OF EMERGENCY, PHONE NUMBERS

SERVICE		CONTACT
SAMU (Emergency services)*		15
Police*		17
Pompiers (Fire brigade)*		18
Appel d'urgence européen (European emergency call)*		112
Centre Anti-Poison (Poisons unit)		04 76 42 42 42
<p>Chemist:</p> <p>Pharmacie Centrale Address: 47 rue Pierre Sépard, 38000 Grenoble</p> <p>Opening hours:</p> <p>Monday 08:30–13:30, 14:30–19:00</p> <p>Tuesday 08:30–13:30, 14:30–19:00</p> <p>Wednesday 08:30–13:30, 14:30–19:00</p> <p>Thursday 08:30–13:30, 14:30–19:00</p> <p>Friday 08:30–13:30, 14:30–19:00</p> <p>Saturday 08:30–12:30</p> <p>Sunday closed</p>	<p>04 76 44 14 66</p> 	
 Doctors (near the hotel)		
Roux Jean-François 3 rue Arago		04 76 46 89 33 06 89 94 42 12
Vivodtzev Jacques 26 rue Félix Esclangon		04 76 21 36 71

* Free phone number

SERVICES PROVIDED AT*Apparthotel***Marie Curie, Grenoble.**

- ◆ Rooms booked from Sunday 17th March until Friday 19th April in the morning until 10:00 AM.
- ◆ Continental **breakfast** from 7:00 am in the ground floor room.
- ◆ The rooms will be cleaned once a week. This includes change of towels and sheets.
- ◆ During the trip to Barcelona-Paris or Trieste-Hamburg or Villigen-Karlsruhe, you will be able to leave some of your luggage in a room especially booked for that purpose in the hotel.
- ◆ If you wish to stay in the hotel longer or invite a friend during HERCULES, you have to see directly with the hotel. They normally accept; however, as we have special reduced rates for the group during the course, they will ask you to pay an extra amount.
- ◆ Wireless connection is free, phones and bar expenses are at your charge.

MAPS & INFORMATION to go to the Maison des Magistères from the hotel.

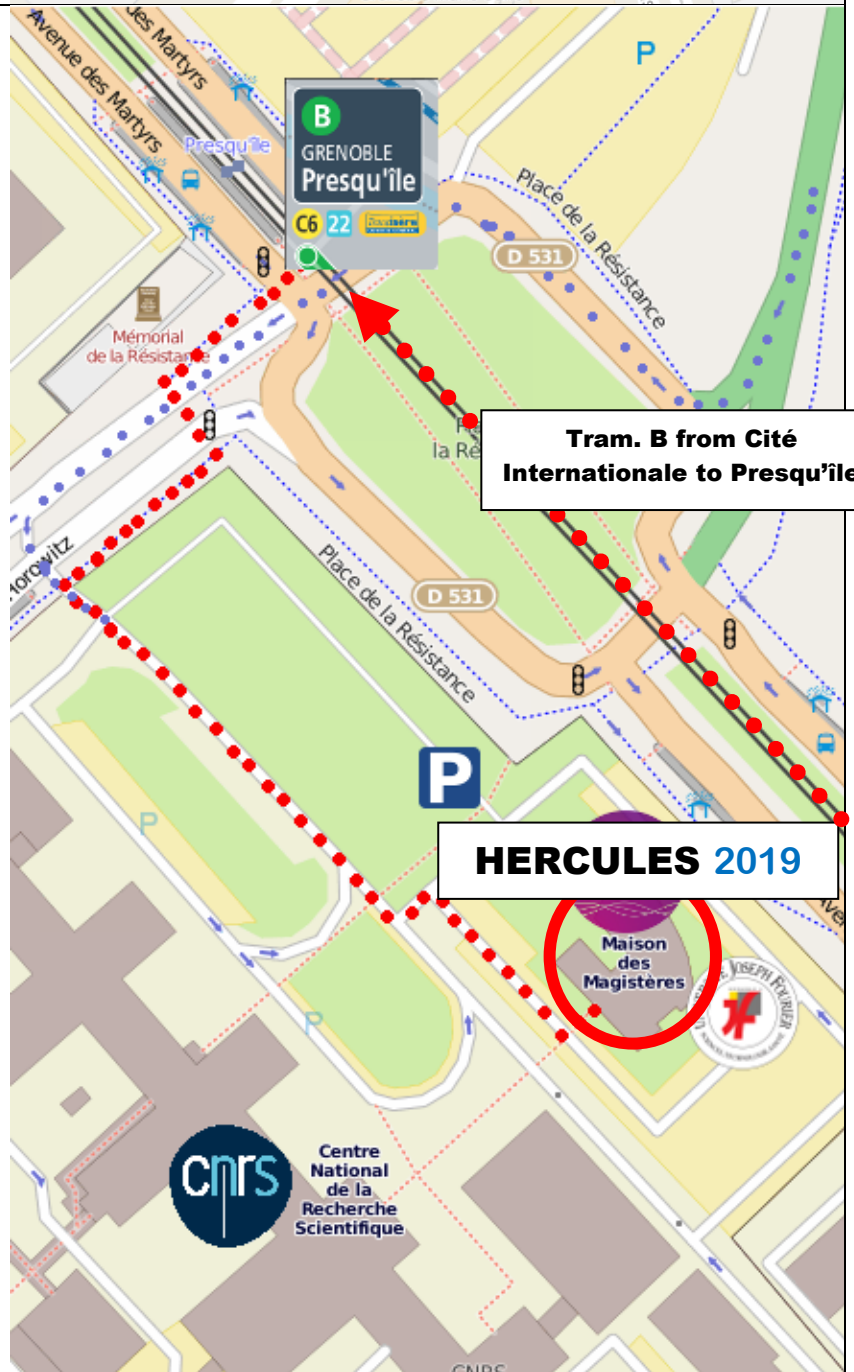
From Séjours et Affaires Marie Curie Apparthotel to tramway B stop “Cité Internationale” (take Presqu’île direction).



From tramway B stop “Cité Internationale” to Maison des Magistères.

- Take the B line, “Grenoble Presqu’île” direction.
- Get off at the “Presqu’île” stop, terminus.
- Turn right while going towards the back of the tram, walk along "Jules Horowitz" street, then enter the CNRS site (green gate) on your left.
- The Maison des Magistères is the building located on the left when entering the site.



! YOU MUST HAVE YOUR HERCULES BADGE, YOUR CLEARANCE AND PROOF OF IDENTITY TO ENTER THE CNRS SITE! DON'T FORGET IT!



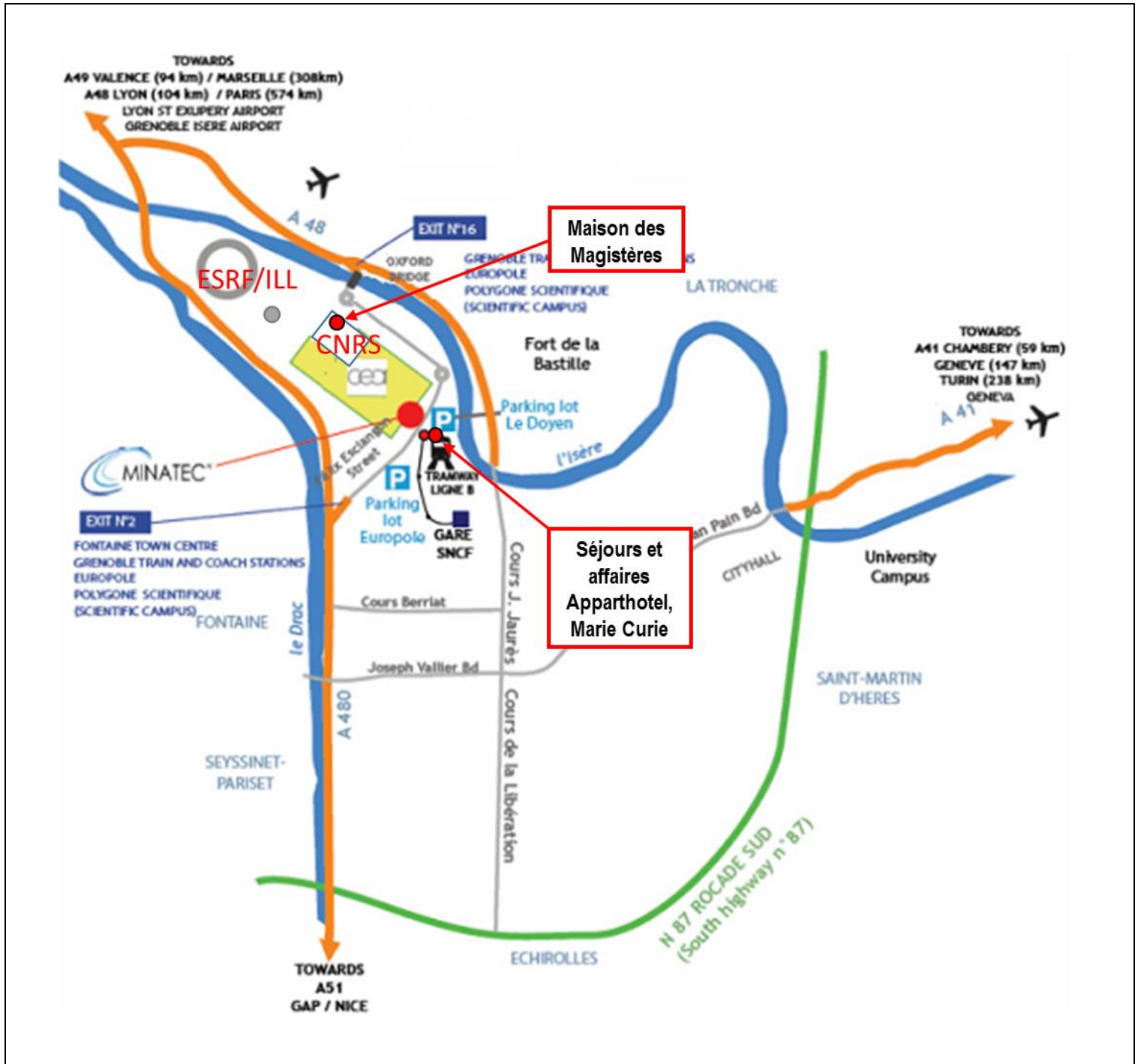
Tram. B from Cité Internationale to Presqu’île

HERCULES 2019

All the lectures during your stay in Grenoble
will take place at
Maison des Magistères on the CNRS site

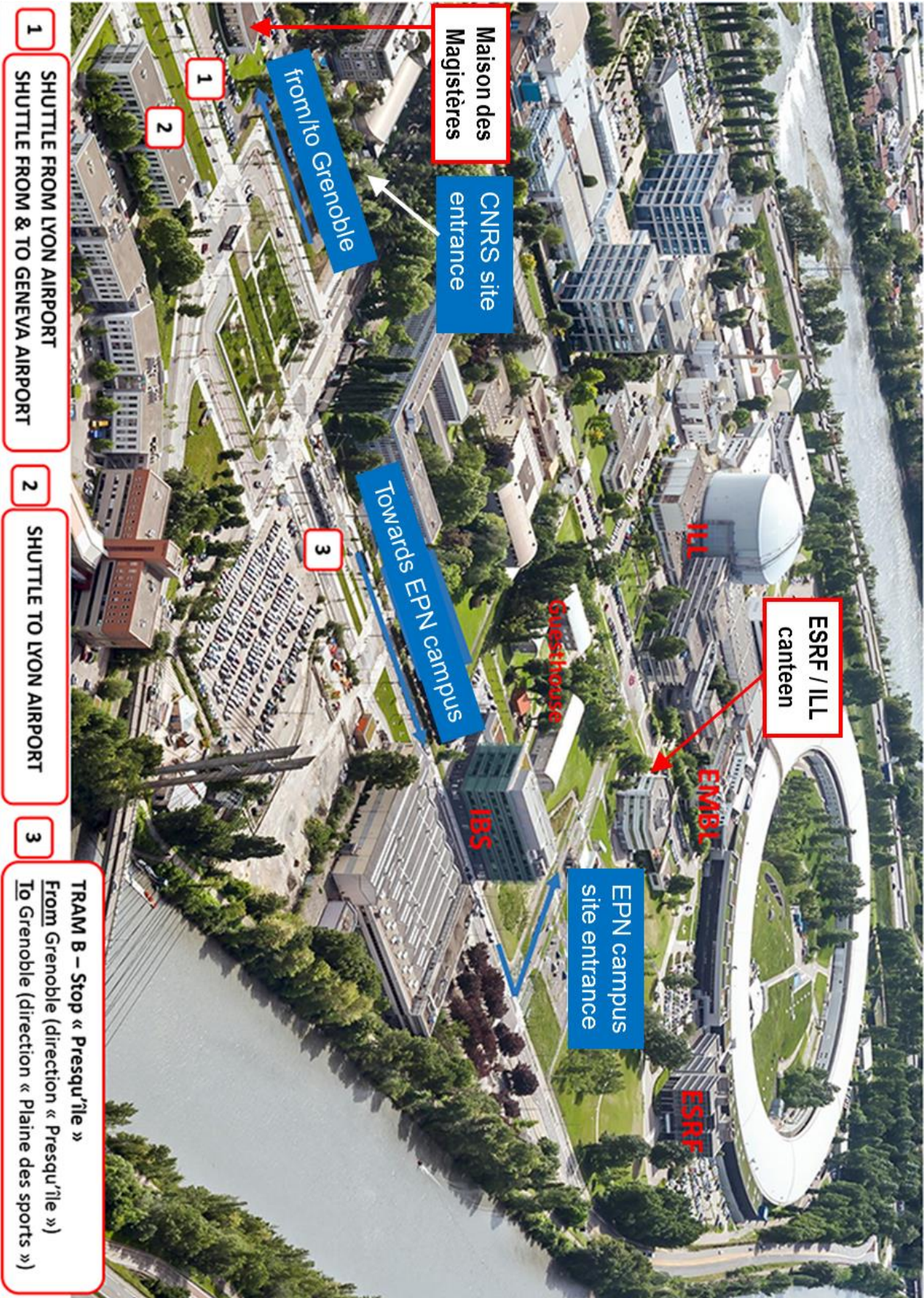
Monday 18 th March		Location
8:30 8:45	WELCOME	Conference room Maison des Magistères
8:45-9:30 10' break 9:40-10:25	Diffraction, Refraction and Absorption of X-Rays and Neutrons (1/2) Werner F. Kuhs	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	ESRF / ILL Badge Distribution	Meeting point: Maison des Magistères entrance hall
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	ESRF / ILL Visits	Meeting point: Hall of ESRF central building or ILL4 main building
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	16:00 – 17:30 ESRF / ILL Presentations Francesco Sette / Mark Johnson	Auditorium, ESRF central building
	17:30 – 17:45 UGA Presentation	
NOTES	17:45 Welcome Cocktail 	@ESRF
NOTES	 <p style="color: orange; font-weight: bold;">Have a look on the HERCULES display board. Information is updated every day!</p>	

GRENOBLE SCIENTIFIC POLYGON MAP




CNRS SITE, EPN CAMPUS (ILL / ESRF), and TRAM B STOP


EPN SCIENCE CAMPUS – 71 AVENUE DES MARTYRS – 38000 GRENOBLE - FRANCE



Tuesday 19th March		Location
8:45-9:30 10' break 9:40-10:25	Diffraction, Refraction and Absorption of X-Rays and Neutrons (2/2) Werner F. Kuhs	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Introduction to Synchrotron Radiation David Attwood	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Crystallography (1/2) Béatrice Grenier	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	ESRF / ILL Visits	Meeting point: Hall of ESRF central building or ILL4 main building
NOTES		

Wednesday 20th March		Location
8:45-9:30 10' break 9:40-10:25	Soft X-Rays and VUV: Specific Optics and Applications David Attwood	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Neutrons: Scattering and Instrumentation (1/2) Andrew Wildes	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Neutron and X-Ray Diffraction by Crystals: Kinematical Approximation and Experimental Methods Werner F. Kuhs	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Free Electron Lasers and Ultra Fast X-Ray Science Thomas Tschentscher	Conference room Maison des Magistères
NOTES		

Thursday 21 st March		Location
8:45-9:30 10' break 9:40-10:25	Fundamentals of X-Ray Absorption Fine Structure (1/2) Sakura Pascarelli	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Neutrons: Scattering and Instrumentation (2/2) Andrew Wildes	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Fundamentals of X-Ray Absorption Fine Structure (2/2) Sakura Pascarelli	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Introduction to Imaging Techniques Federica Marone	Conference room Maison des Magistères
17:45-18:00	DECTRIS presentation	Conference room Maison des Magistères
NOTES		<p>Don't forget to bring your poster tomorrow, the session poster will be held in the ESRF mezzanine tomorrow afternoon</p>

Friday 22nd March		Location
8:45-9:30 10' break 9:40-10:25	X-Ray Detectors Heinz Graafsma	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Crystallography (2/2) Béatrice Grenier	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	POSTER SESSION with coffee buffet 	ESRF Mezzanine, central building
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	16:00-16:45 European User Facilities: the CERIC-ERIC and Wayforlight Matthias Girod 16:45-17:00 NFFA.eu Presentation Ennio CAPRIA 17:00 POSTER AWARDS	ESRF Auditorium, central building
19:30 Gala Dinner & Party - see following page		

19:30 Gala Dinner & Party

Restaurant “Le 5”

5, place Lavalette - 38000 Grenoble

Phone : 04.76.63.22.12

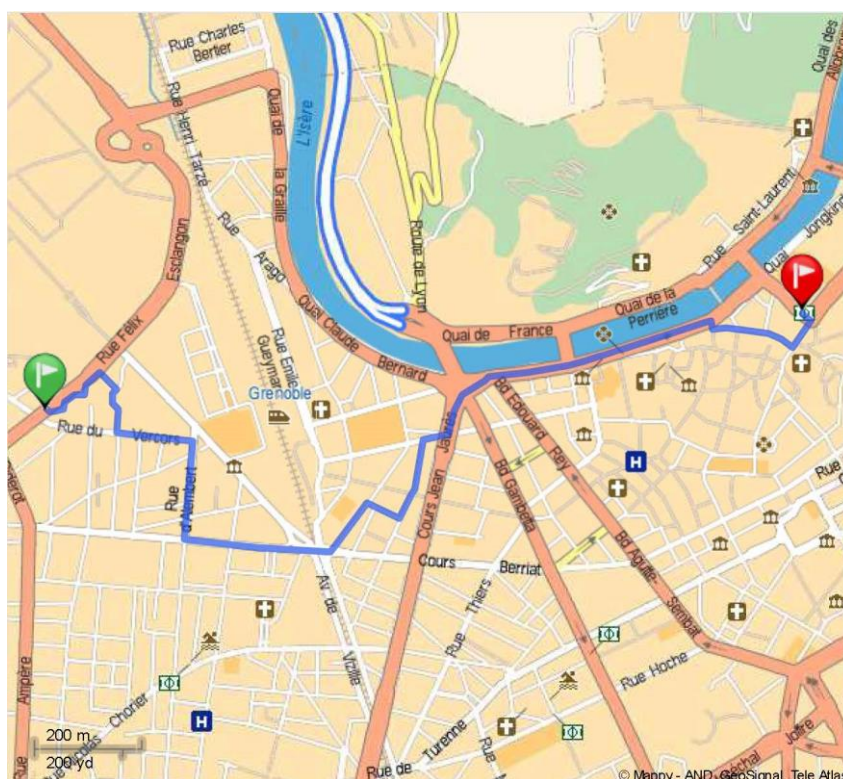
<http://www.le5.fr/>



How to go to the dinner party by tram:

Take the tram line B. Get off at “Notre Dame / Musée”

NOTES



Sunday 24th March**Chamrousse****Snowshoes OUTING** 🧤🧤

Meeting Point from 8:45 a.m. to 9:00 a.m. in front of the Hotel.

Bus Departure: 9:00 SHARP


Don't forget to bring with you:

- Warm clothes (gloves are very important)
- Waterproof shoes/boots
- Sun glasses and cream (if the weather is sunny...)
- Picnic for lunch

You will have professional guides on site.

Monday 25 th March		Location
8:45-9:30 10' break 9:40-10:25	Introduction to Neutron and X-Ray Inelastic Scattering Victor Balédent	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Introduction to magnetism Luigi Paolasini	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Full field coherent Imaging Peter Cloetens	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Introduction to small angle scattering Martin Müller	Conference room Maison des Magistères
18:00-19:00	Ancient materials research with synchrotron and neutron techniques Sebastian Schoeder	Conference room Maison des Magistères

Tuesday 26th March		Location
8:45-9:30 10' break 9:40-10:25	Magnetic neutron scattering Navid Qureshi	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Dynamical Diffraction Theory Tilo Baumbach	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Hard X-Ray optics for SR beamlines Ray Barrett	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Science at Neutron Spallation Sources Sean Langridge	Conference room Maison des Magistères
17:45-18:00	Fostering Science Presentation Thibaud David / David Argenti	Conference room Maison des Magistères
NOTES		

Wednesday 27th March		Location
8:45-9:30 10' break 9:40-10:25	Disorder and its effects on neutron and X-Ray diffraction Marc de Boissieu	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Polarized Neutrons: Theoretical and Experimental Techniques Sean Langridge	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00 -17:45	<p>LABS / TUTORIALS</p> <p>See practicals / tutorials schedule</p> <p>and pages about practicals in this booklet (pages 27, 28 & 31 – 35)</p>	 <p>The image contains four logos: CEA (Commissariat à l'énergie atomique et aux énergies alternatives), CNRS (Centre national de la recherche scientifique), ESRF (European Synchrotron Radiation Facility), and Neutrons for Society.</p>
NOTES		

Thursday 28th March		Location
8:45-9:30 10' break 9:40-10:25	Polarized X-Rays Urs Staub	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Neutron and X-Ray Reflectometry Oliver Seeck	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Liquid and Amorphous Materials Adrian Barnes	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Single Crystal Structure Analysis Enrique Espinosa	Conference room Maison des Magistères
NOTES		

Friday 29 th March		Location
8:45-9:30 10' break 9:40-10:25	Soft Condensed Matter Adrian Rennie or Solving Surface Problems using SR Techniques Gilles Renaud	Conference room Maison des Magistères Or MAG2 room
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Coherent Diffraction Imaging and Ptychography Manuel Guizar-Sicairos	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	Powder Diffraction Radovan Cerny	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Resonant Diffraction (MAD, DAFS) Vincent Favre-Nicolin	Conference room Maison des Magistères
NOTES		

31st March

***DEPARTURES to Barcelona, Trieste, Villigen:
To be announced***






MEETING POINT in front of the hotel: to be confirmed

Lectures and practicals program will be given by the local coordinators

*(see pages 27, 28 & 36 – 41 for the list of practicals assigned to each group,
as well as the practicals / tutorials schedule)*


Week 3: 1st – 5th April: Outside Grenoble


Week 4: 8th – 12th April: Outside Grenoble

Monday 15 th April		Location
<p>8:45-12:30 and 14:00-17:45</p>	<p style="text-align: center;">ILL PRACTICALS</p> <p style="text-align: center;">&</p> <p style="text-align: center;">LABS / TUTORIALS</p> <p style="text-align: center;">See practicals / tutorials schedule</p> <p style="text-align: center;">and pages about practicals in this booklet (pages 27, 28 & 29 – 35)</p>	 <p style="text-align: center;">NEUTRONS FOR SOCIETY</p>     <p style="text-align: center;">ESRF NEUTRONS FOR SOCIETY</p> <p style="text-align: center;"><small>The European Synchrotron</small></p>

Tuesday 16th April		Location
8:45-9:30 10' break 9:40-10:25	X-Ray Absorption Spectroscopy: Theoretical Basis Amélie Juhin	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Coherent and Transient States Studied with X-Rays FELS Carlo Callegari	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	X-Ray Photon Correlation Spectroscopy Gerhard Grübel	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Magnetic X-Ray and Neutron Reflectivity Hartmut Zabel	Conference room Maison des Magistères
NOTES		

Wednesday 17th April		Location
8:45-9:30 10' break 9:40-10:25	Photoelectron Spectroscopy from UV to Soft X-Rays (1/2) Hugo Dil	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Photoelectron Spectroscopy from UV to Soft X-Rays (2/2) Hugo Dil	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-14:45 10' break 14:55-15:40	X-Ray photoemission electron microscopy Claus M. Schneider	Conference room Maison des Magistères
15:40 16:00	Break	/
16:00-16:45 10' break 16:55-17:40	Neutron time of flight, spin echo and back-scattering spectroscopies Tobby Perring	Conference room Maison des Magistères
17h40 18h00	Break with refreshments	Maison des Magistères
18:00-19:00	EVALUATION MEETING	Conference room Maison des Magistères
NOTES		

Thursday 18th April		Location
8:45-9:30 10' break 9:40-10:25	Inelastic X-Ray Scattering Michael Krisch	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-11:30 10' break 11:40-12:25	Neutron triple axis spectroscopy Tobias Weber	Conference room Maison des Magistères
12:25 14:00	Lunch	ILL / ESRF staff restaurant
14:00-17:45	<p>LABS / TUTORIALS</p> <p>See practicals / tutorials schedule</p> <p>and pages about practicals in this booklet (pages 27, 28 & 31 – 35)</p>	
NOTES		

Friday 19 th April		Location
8:45-9:30 10' break 9:40-10:25	Nanostructures in the Light of Synchrotron Radiation Gilles Renaud	Conference room Maison des Magistères
10:25 10:45	Coffee break	Cafeteria at Maison des Magistères
10:45-12:00	Hercules Mythology Chris Buckley	Conference room Maison des Magistères
12:00 14:00	Farewell Wine and Cheese 	Cafeteria at Maison des Magistères
	<p><i>For your information, the Séjours et Affaires Apparthotel Marie Curie is booked until Friday 19th March until 10:00 AM in the morning. Please, inform the hotel if you leave at a different date.</i></p> <p>All the HERCULES team wishes you a safe trip back home and good luck for your future research!</p>	
NOTES	Please leave your canteen card today after lunch at the canteen desk or give it back to Isabelle, Clotilde or Youlia before leaving Grenoble	

HERCULES 2019

Information for the Practicals and Tutorials

During your weeks in **Grenoble**, in case of problem during the practical works time:
CONTACTS: European Schools Office ☎ 04 76 88 79 86 or 07 87 82 08 42 ✉ hercules@hercules-school.eu

Coordinators: G. BEUTIER, B. GRENIER, L. MANGIN-THRO (Grenoble)
 B. CALISTO, D. PIERUCCI, M. J. SIMANCAS (Barcelona)
 A. COATI, F. DAMAY, L. NATAF (Paris-Saclay)
 F. BENCIVENGA, A. LOCATELLI, E. PEDERSOLI, B. ROSSI (Trieste)
 R. GEHRKE, O. SEECK, T. TSCHENTSCHER (Hamburg)
 J. DREISER (Villigen)
 T. BAUMBACH, M. HAGELSTEIN, L. JOCHIM (Karlsruhe)

All participants will carry out one hands-on simulated neutron practical at Institut Laue-Langevin (ILL) and a practical in a laboratory at CNRS – Institut Néel, LNCMI, CEA – INAC, or ILL, in Grenoble. They will also carry out two tutorials (one for the part-time participants) at ESRF, ILL, and/or CNRS in Grenoble. One of the two tutorials at least will be devoted to neutron scattering.

In addition, practicals will be organized for the full-time participants on two different sites among our six partner facilities, with three groups:

- the Spanish synchrotron source **ALBA** near Barcelona, then the French synchrotron radiation facility **SOLEIL** and the French neutron reactor Orphée – **LLB** near Paris (**Barcelona-Paris group**)
- the Italian synchrotron light source **Elettra** and Free Electron laser Radiation for Multidisciplinary Investigations (**FERMI**) in Trieste, then the German synchrotron radiation facility Deutsches Elektronen-Synchrotron (**DESY**) and the **European XFEL** in Hamburg (**Trieste-Hamburg group**)
- the Swiss synchrotron radiation facility Swiss Light Source (SLS) at the Paul Scherrer Institute (**PSI**) in Villigen, then the **KIT Light Source** in Karlsruhe (**Villigen-Karlsruhe group**)

The full time participants have been distributed in 10 groups of four people (1A, 2A, ..., 10A) between these three travel groups (3 or 4 groups per travel group), in the best possible way (regarding the many constraints) with respect to their main research interests and wishes expressed. Each group will perform selected practicals and tutorials (about 16 half-days during the whole school).

In the next page, you will find the nominative list of groups with the information on what sites each group will go (Barcelona / Paris-Saclay, Trieste / Hamburg, or Villigen / Karlsruhe) and on which practicals and tutorials they will follow in the chronological order (first line: lab or tutorial in Grenoble, second line: practicals in Barcelona, Trieste, or Villigen, third line: practicals in Paris-Saclay, Hamburg, or Karlsruhe, fourth line: practical, labs, and tutorials in Grenoble). The practicals / tutorial training in Grenoble for the part-time participants is given at the bottom of the table (group PTA).

The details on each practical / tutorial is then given again in the following tables, recalling the groups assignment for each of them. Concerning those taking place in Grenoble, some practical information is also given (meeting point, laptop needed or not, ...)

Occasional swaps between participants of different groups have been done, hence the 'or' for some of the tutorials / labs / practicals taking place in Grenoble on page 28. These swaps, except those concerning the tutorials (T1 – T17), are reported explicitly in the next pages while all of them are reported in the "practicals / tutorials schedule" distributed on a separate sheet of paper.

All participants are required to attend the entire practical and tutorial program assigned to them.

FULL-TIME PARTICIPANTS: GROUPS FOR PRACTICALS AND TUTORIALS

Group	SURNAME	Given Name	Practicals and Tutorials
1A	HOUEVILLE	Raphaëlle	T1
	HUANG	Chen-Jui	CLAESS, BOREAS
	JARVIS	David	ROCK / CRISTAL, G4.1
	PLOKHIKH	Igor	LAB1, IN16B or IN5 , T3 or T8
2A	BAKKE	Ingrid	T7
	BEDDRICH	Lukas	BOREAS, NCD-SWEET
	EHRENREICH-PETERSEN	Emma Møller	GALAXIES / ODE, G4.3
	LÉGER	Mélanie	D23 , T9, LAB4
3A	BOIX DE LA CRUZ	Virginia	LAB3
	BONDE	Niels Andreas	NCD-SWEET, CLAESS
	MATHIESEN	Jette, Katja	AILES / SAMBA, IMAGINE
	TANDON	Bharat	IN5 , T6, T8 or T3
4A	DIEZ TOLEDANO	Jose Manuel	T14
	ENGELHARDT	Sabine Ulrike	T-ReX, APE, Nanospectroscopy
	HUANG	Juanjuan	P01, P07B, P08, SQS
	STELLINO	Elena	D17 , LAB2, T6
5A	HIRSCHLE	Christian	LAB1
	LIU	Yen-Po	MagneDyn, SuperESCA, ESCAμscopy
	PODCHEZERTSEV	Stanislav	P07B, P08, P01, FXE
	SMITH	Ross	D33 or IN20 , T4, T16 or T15 or T12
6A	LAVÉN	Rasmus	T17
	NEBLING	Ricarda Maria	XAFS, LDM, ALOISA
	PICCIONI	Alberto	P08, P01, P07B, SA1
	RASHCHENKO	Sergey	IN16B , LAB3, T12 or T16
7A	BIAŁO	Izabela	T5
	GVOZDIK	Nataliya	SIM, SuperXAS
	TANG	Wai Chi	Storage ring, INE, IR2, TOPOTOMO, NANO
	WEIGEL	Tina	LAB2, CYCLOPS , T11
8A	JØRGENSEN	Lasse Rabøl	T2
	SONDERGAARD-PEDERSEN	Frederik Munkholm	Phoenix, Adress/ARPES
	TCHON	Daniel	Storage ring, NANO, INE, IR1, SCD
	TREPKA	Heiko	T9, IN5 or IN16B , LAB2
9A	GUO	Zhenyu	LAB2 or LAB5
	OSSIG	Christina Sonja	Adress/ARPES, SIM
	SINHA	Mangalika	FLUTE, LIGA, WERA, SCD, IR1
	STAMATIN	Serban-Nicolae	T4, IN20 or D33 , T15 or T16
10A	BINIEK	Laure	LAB5 or LAB2
	DOLABELLA	Simone	SuperXAS, cSAXS
	NIELSEN	Ida Gjerlevsen	KNMF, SCD, LIGA, IR2, WERA
	VETTER	Marleen	T10, D33 , T3
PTA	ADAPA	Bharath Reddy	
	KRSTULOVIĆ	Marija	
	LA PORTA	Francesco	T13, LAB5, D17
	MÉTAIS	Cyrielle	
	ZAPATA DOMINGUEZ	Diana Carolina	

NEUTRON PRACTICALS AT ILL, GRENOBLE (15TH APRIL)

ALL GROUPS

CONTACTS: Béatrice GRENIER ☎ 04 76 20 74 23 ✉ grenier@ill.fr
 Lucile MANGIN-THRO ☎ 04 76 20 75 71 ✉ mangin-throl@ill.fr

MEETING POINT IN THE HALL OF THE ILL4 MAIN BUILDING

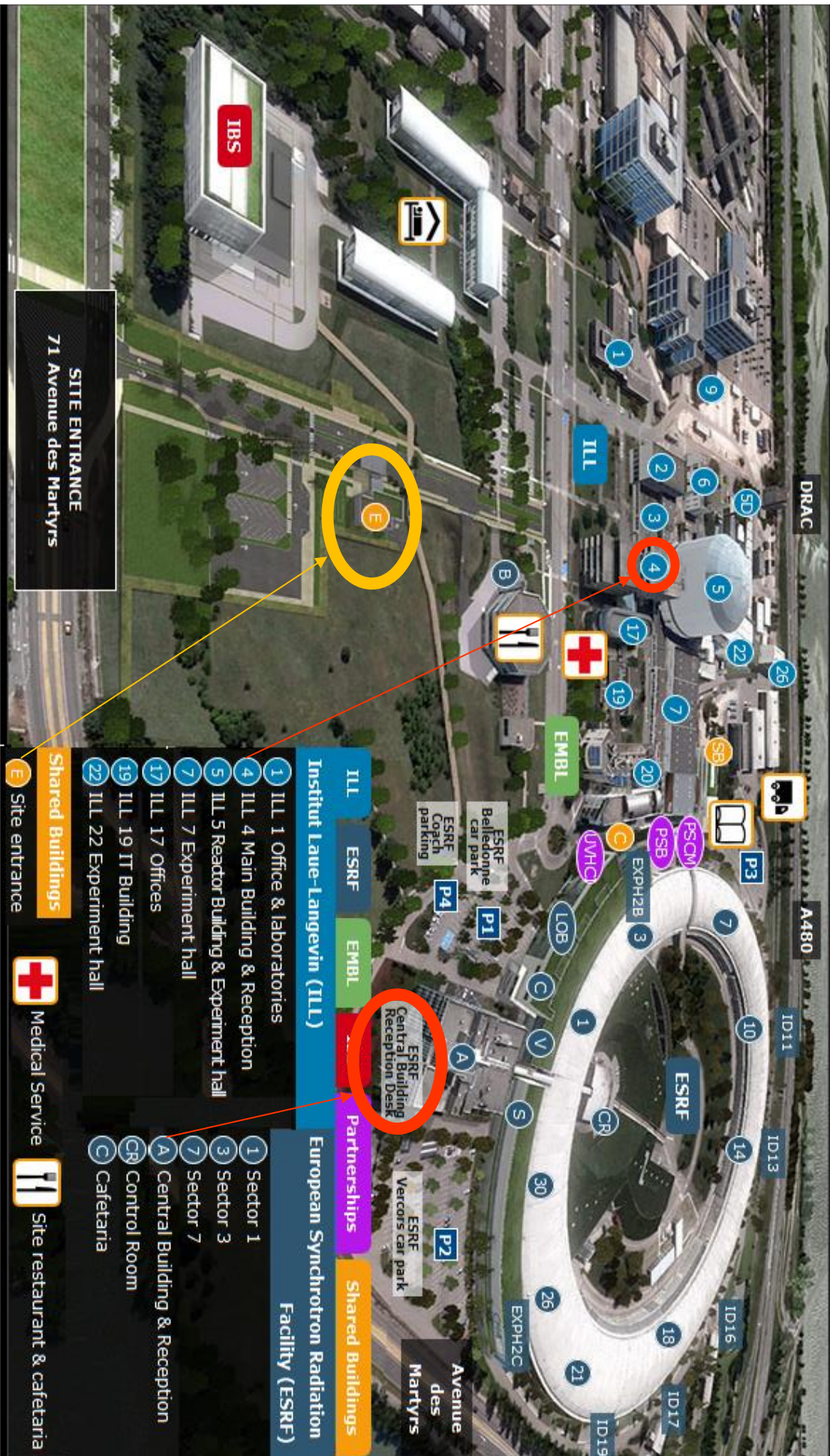
(see ILL4 on map #1, page 30)

PRACTICAL	INSTRUCTOR(S)	TITLE	GROUPS	
CYCLOPS	Oscar FABELO ROSA	Neutron Laue diffraction on antiferromagnetic MnO: indexation of nuclear and magnetic Bragg reflections in a Laue pattern		7A
D23	Ketty BEAUVOIS	Single crystal diffraction: nuclear and magnetic structure refinement using Fullprof	2A	
D17	Thomas SAERBECK	Exploring thin-film structure and magnetism with neutron reflectometry	4A	PTA
D33	Dirk HONECKER	Polarized small angle neutron scattering of magnetic nanoparticle dispersions	5A + Guo – Hirschle	10A
IN5	Sylvain PETIT	Analysis of time of flight inelastic neutron scattering data	3A	8A + Jarvis – Jørgensen
IN16B	Markus APPEL Tilo SEYDEL	Cold neutron backscattering spectroscopy	6A	1A – Jarvis + Jørgensen
IN20	Tobias WEBER	Monte-Carlo simulations of neutron triple-axis spectrometers		9A – Guo + Hirschle
			Date:	15/04
			Time:	8:45
				15/04
				14:00

PRACTICAL INFORMATION

PRACTICAL	MEETING POINT	ROOM	NOTE
CYCLOPS	Hall ILL4 (see map #1, p. 30)	ILL4 – 264	Information on laptop to be announced.
D23		ILL4 – 121	Laptop needed. The participants who have a PC laptop (windows OS) bring it with <i>FullProf</i> and <i>Mag2Pol</i> installed on it (https://www.ill.eu/users/instruments/instruments-list/d3/software/) prior to the practical.
D17		SB-401	Information on laptop to be announced.
D33		SB-030	Information on laptop to be announced.
IN5		ILL17 – 003	Laptop needed. The participants who have a laptop (windows OS) bring it. The necessary softwares will be given at the beginning of the practical.
IN16B		Morning: SB-213 Afternoon: SB-125	Information on laptop to be announced.
IN20		ILL4 – 158	Laptop needed. The participants who have a laptop (Linux OS on PC, e.g. Ubuntu, or MacOS) bring it with <i>McStas 2.5</i> (http://downloads.mcstas.org/mcstas-2.5/) installed on it prior to the practical.

Map #1 : EPN campus comprising EMBL, ESRF, IBS, and ILL, together with the canteen where week-day lunches will be taken





PRACTICALS IN LABORATORIES AT CEA, CNRS, AND ILL GRENOBLE (27TH MARCH, 15TH and 18TH APRIL)

ALL GROUPS



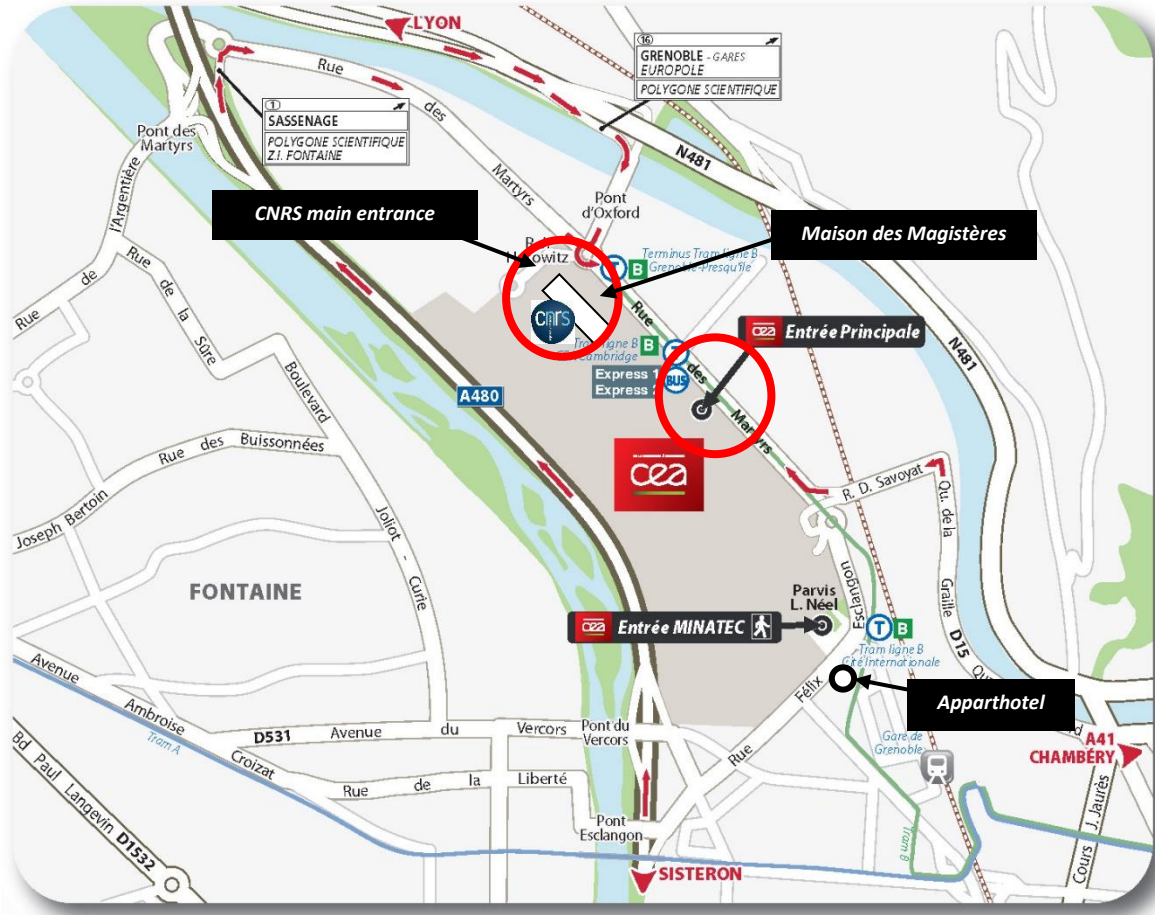
CONTACT: Béatrice GRENIER ☎ 04 76 20 74 23 ✉ grenier@ill.fr

INFORMATION ABOUT THE MEETING POINT GIVEN HEREAFTER (2ND TABLE BELOW + MAPS)

PRACTICAL	INSTRUCTOR	TITLE	GROUP(S)			
LAB1	Arnaud DE GEYER	Small angle X-ray scattering	5A	1A		
LAB2	Olivier LEYNAUD	X-ray powder diffraction	9A + Vetter – Stamatin	7A	4A	8A
LAB3	Eric MOSSANG	Reflectometry and GIXRD	3A		6A	
LAB4	Hadrien MAYAFFRE	Nuclear Magnetic Resonance in an antiferromagnet				2A
LAB5	Pierre COURTOIS	Characterization of mosaic crystals using hard X-ray diffraction; Application for the manufacturing of neutron monochromators	10A – Vetter + Stamatin	PTA		
			Date:	27/03	15/04	15/04
			Time:	14:00	8:45	14:00

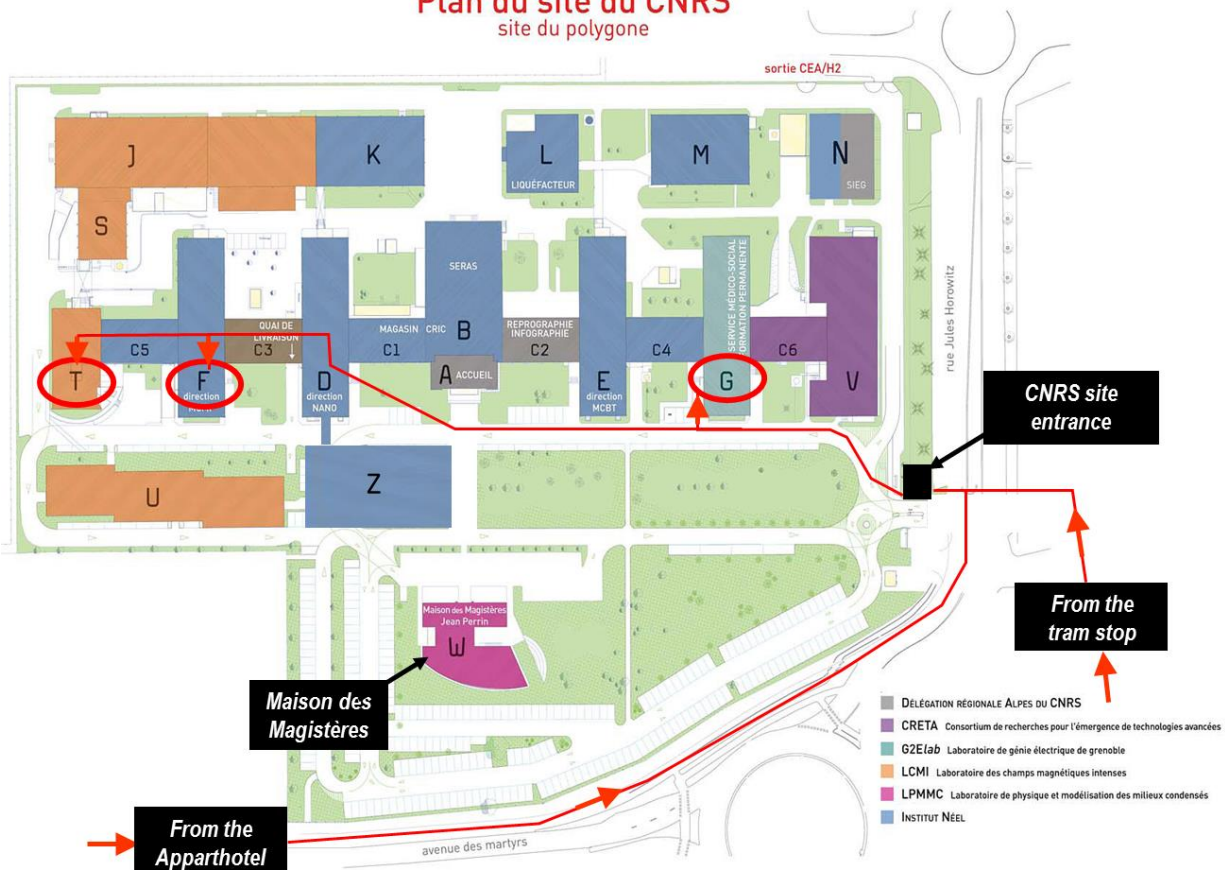
LOCATION OF THE VARIOUS PRACTICALS

PRACTICAL	SITE	MEETING POINT		ROOM	NOTE
LAB1	CEA	CEA n°1 entrance: "Entrée principale" (see map #2, page 32)		C5-536	Passport or ID NEEDED at the entrance !!!
LAB2	CNRS	Room F217	Sign posting from the ground floor of the F building – <i>Institut Néel</i> (see map #3, page 32)	F217	Clearance + Passport or ID NEEDED at the entrance !!!
LAB3	CNRS	Room F221		F221	
LAB4	CNRS	Room T104		T104	
LAB5	ILL	Hall ILL4	(see map #1, page 30)	ILL1 - 037	ILL badge NEEDED at the entrance



Map #2: CEA & CNRS main site entrances for practicals

Plan du site du CNRS
site du polygone



Map #3: CNRS F, G, and T buildings

**TUTORIALS AT ILL, MAISON DES MAGISTERES (MM), CNRS, AND ESRF
GRENOBLE (27TH MARCH, 15TH and 18TH APRIL)
ALL GROUPS**

CONTACT: Béatrice GRENIER ☎ 04 76 20 74 23 ✉ grenier@ill.fr

INFORMATION ABOUT THE MEETING POINT GIVEN HEREAFTER (TABLE ON PAGES 34&35 + MAPS)

TUTORIAL	SITE	INSTRUCTOR(S)	TITLE	GROUP(S)			
T1	ILL	Claire COLIN	Magnetic structures formalism	1A			
T2	ILL	Alberto RODRIGUEZ VELAMAZAN	Single Crystal Neutron Diffraction Studies for Nuclear and Magnetic Structures: Determination of a Hybrid Compound using FullProf	8A			
T3	ILL	Gabriel CUELLO	From Q-space to R-space: PDF- analysis				1A, 10A
T4	ILL	Frédéric OTT	Neutron reflectivity		9A	5A	
T5	ILL	Sandrine LYONNARD	Quasi-Elastic Neutron Scattering in batteries	7A			
T6	ILL	Arnaud MORIN	Small Angle Scattering in Proton Exchange Membrane Fuel Cell			3A	4A
T7	ILL	Peter FOUQUET	Neutron spin-echo spectroscopy: data reduction and fields of application	2A			
T8	MM	Jacques PECAUT	Small molecule structure resolution using single-crystal X-ray diffraction				3A
T9	MM	Olivier PEREZ	Aperiodic crystals: from data collection to structure solution		8A	2A	
T10	CNRS	Jean-Sébastien MICHA	White Beam Microdiffraction		10A		
T11	CNRS	Yves JOLY	Simulation of X-ray absorption spectroscopies				7A
T12	ESRF	Marius RETEGAN	X-ray spectroscopy simulations using semi-empirical multiplet approaches				6A
T13	ESRF	Manuel SANCHEZ DEL RIO	Modeling a SR beamline	PTA			
T14	ESRF	Francesco D'ACAPITO	Introduction to EXAFS data analysis	4A			
T15	ESRF	Olivier PROUX	Basic Principles of EXAFS analysis				9A
T16	ESRF	Vincent FAVRE-NICOLIN	X-ray Coherent Diffraction Imaging and Ptychography				5A
T17	ESRF	Cécile OLIVIER	3D quantitative assessment of human cortical bone by micro- tomography	6A			

Occasional swaps have been done for tutorials T3, T4, T8, T9, T12, T15, T16 but they are not reported in this table (see practicals / tutorials schedule)

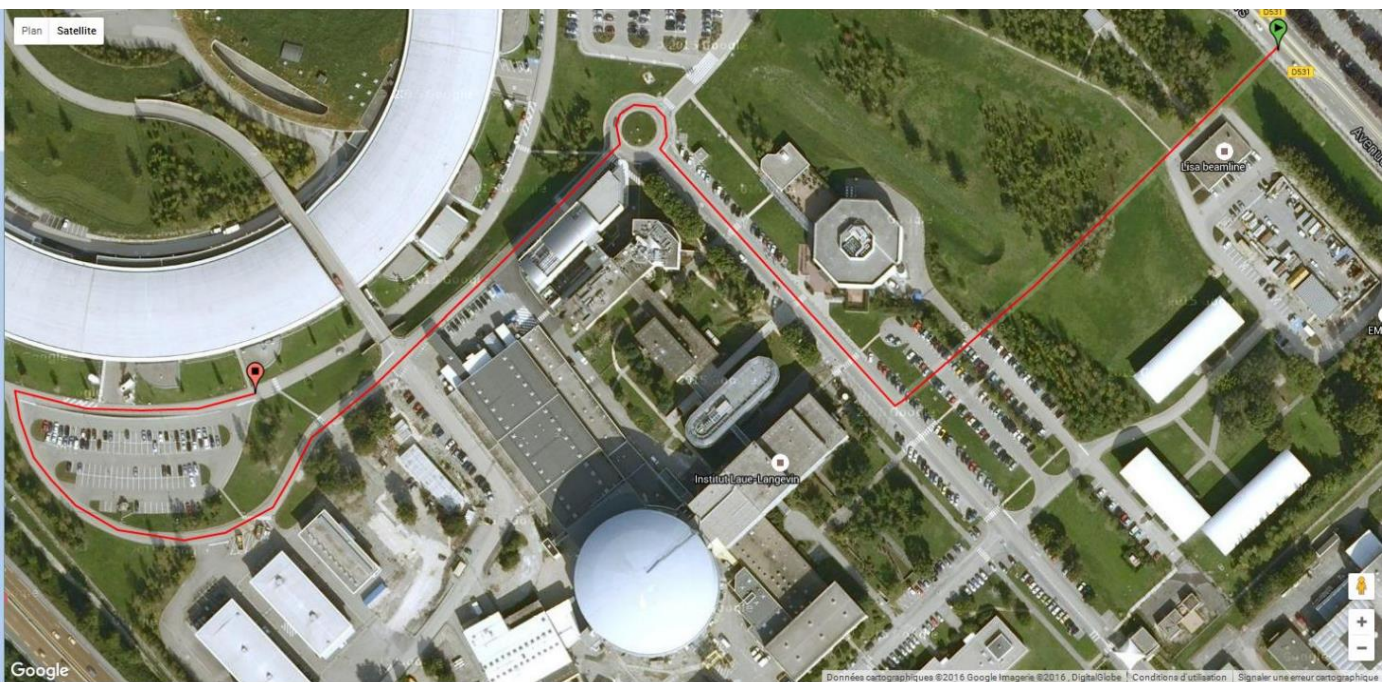
Date:	27/03	15/04	15/04	18/04
Time:	14:00	8:45	14:00	14:00

LOCATION OF TUTORIALS T1 – T11 & PRACTICAL INFORMATION

TUTORIAL	SITE	MEETING POINT	ROOM	NOTE
T1	ILL	Hall ILL4 (see map #1, p. 30)	ILL17 – 003	Laptop needed. The participants who have a PC laptop (windows OS) bring it with the <i>FullProf suite</i> installed on it (https://www.ill.eu/sites/fullprof/) prior to the tutorial (FpStudio will be used to visualize magnetic structures).
T2	ILL		ILL19 – 021	Room equipped with PCs (windows OS), but the participants who prefer to use their laptop can bring it with the <i>FullProf suite</i> (https://www.ill.eu/sites/fullprof/) installed on it prior to the tutorial.
T3	ILL		ILL4 – 121	No laptop needed.
T4	ILL		ILL1 – 7/8	Laptop needed. The participants who have a PC laptop (windows OS) bring it with nothing special installed on it (the necessary material will be provided from a USB key at the beginning of the tutorial).
T5	ILL		ILL4 – 121	Laptop needed. The participants who have a laptop (any OS) bring it with Lamp (https://www.ill.eu/users/support-labs-infrastructure/software-scientific-tools/lamp/) installed on it prior to the tutorial.
T6	ILL		ILL19 – 021	Laptop needed. The participants who have a laptop (any OS) bring it. Grasp v8.14 free software available on ILL website (https://www.ill.eu/users/support-labs-infrastructure/software-scientific-tools/grasp/) is needed to treat the SANS data. Software to plot graphs and make fits (e.g. MATLAB, EXCEL or Origin, ...) will also be needed.
T7	ILL		ILL4 – 158	Laptop needed. The participants who have a laptop (any OS) bring it with nothing special installed on it (just a <i>Web browser</i> will be needed).
T8	MM	MAG1 room	MAG1	No laptop needed.
T9	MM			Laptop needed. The participants who have a PC laptop (windows OS) bring it with <i>Jana</i> installed on it, prior to the tutorial (http://jana.fzu.cz/). For the system environment variable, use the name JANA2006DIR. Make sure that JANA2006DIR contains the correct name of installation directory. The other software needed (<i>Crysalis</i>) will be provided and installed at the beginning of the tutorial.
T10	CNRS	G420	G420	Room equipped with PCs (windows OS), but the participants who prefer to use their own laptop (any OS) can bring it. In that case, they will need to contact J.-S. Micha prior to the tutorial to have the instructions for the software installation.
T11	CNRS	F403 (see map #3, p. 32)	F403	Laptop needed. The participants who have a laptop (any OS) bring it with <i>fdmnes</i> installed on it, prior to the tutorial ("XANES_Practical" at the bottom of page: http://neel.cnrs.fr/spip.php?article3142&lang=en). A software to plot graphs (e.g. <i>Kaleidagraph</i> , <i>Origin</i> , ...) will also be needed.

LOCATION OF TUTORIALS T12 – T17 & PRACTICAL INFORMATION

TUTORIAL	SITE	MEETING POINT	ROOM	NOTE
T12	ESRF	First floor of the ESRF/ILL canteen (see map #1, p. 30)	CO 1–10	Laptop needed. The participants who have a laptop (any OS) bring it with Crispy installed on it prior to the tutorial (http://www.esrf.eu/computing/scientific/crispy/).
T13	ESRF	Hall of the ESRF central building (see map #1, p. 30)	MTBF (MF-1-06)	Room equipped with PCs (windows OS), but the participants who prefer to use their own laptop (MacOS or PC with linux) can bring it with OASYS installed on it (http://www.elettra.eu/oasys.html) prior to the tutorial (see https://github.com/srio/oasys-installation-scripts/wiki).
T14	ESRF	sector 05 room 07.5.2 (see map #4 below)	Sector 05 room 07.5.2	No laptop needed.
T15	ESRF	Hall of the ESRF central building (see map #1, p. 30)	Meeting room 18.1.11	Laptop needed. The participants who have a laptop (preferentially MacOS or PC with windows) bring it with <i>Demeter</i> installed on it, prior to the tutorial (free software available on https://bruceravel.github.io/demeter/).
T16	ESRF	Hall of the ESRF central building (see map #1, p. 30)	MTBF (MF-1-06)	Room equipped with PCs (windows OS).
T17	ESRF	Hall of the ESRF central building (see map #1, p. 30)	CB-126	Laptop needed. The participants who have a PC laptop (windows OS) bring it. C. Olivier will contact you in advance to let you know what softwares to install prior to the tutorial.



Map #4: Room 07.5.2 at ESRF sector 05 for tutorial T14

BARCELONA-PARIS group: BARCELONA, Spain
**SYNCHROTRON RADIATION PRACTICALS & TUTORIALS
AT ALBA (2ND – 4TH APRIL)**
GROUPS 1A, 2A, 3A

CONTACTS: Bárbara CALISTO ☎ (+34) 93 592 4055 ✉ bcalisto@cells.es
 Debora PIERUCCI ☎ (+34) 93 592 4538 ✉ dpierucci@cells.es
 Maria José SIMANCAS ☎ (+34) 93 592 4000 ✉ msimancas@cells.es

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE**PRACTICALS ON 2ND AND 3RD APRIL**

BEAMLINE	INSTRUCTOR(S)	TITLE	GROUPS
BL22 CLAESS	Laura SIMONELLI, Carlo MARINI, Giovanni AGOSTINI	X-ray absorption end emission spectroscopy to access the local structural and electronic properties of the matter	1A, 3A
BL29 BOREAS	Stefano AGRESTINI & Javier HERRERO (Part I), Manuel VALVIDARES & Pierluigi GARGIANI (Part II)	XAS and XMCD investigation of bulk and surface science samples	2A, 1A
BL11 NCD-SWEET	Marc MALFOIS, Eduardo SOLANO	SAXS/WAXS study on polymer crystallisation	3A, 2A

TUTORIALS ON 4TH APRIL

INSTRUCTOR(S)	TITLE	GROUPS
Laura SIMONELLI, Carlo MARINI, Giovanni AGOSTINI	Analysis of XAS data collected at CLAESS: XANES linear combination approach, XES data treatment: quantification of the local magnetic moment by the IAD method.	3A+1A
Stefano AGRESTINI (Part I) Pierluigi GARGIANI (Part II)	Analysis of XAS and XMCD data collected at BOREAS: spectra treatment, sum rules and introduction to multiplet simulations	1A+2A
Marc MALFOIS, Eduardo SOLANO	Analysis of data collected at NCD-SWEET: data reduction using pyFAI and DAWN software. Preliminary data analysis and interpretation.	3A, 2A

BARCELONA-PARIS group: PARIS – SACLAY, France



SYNCHROTRON RADIATION PRACTICALS AT SOLEIL (9TH – 10TH APRIL)

GROUPS 1A, 2A, 3A

CONTACTS: Alessandro COATI ☎ 01 69 35 96 78 ✉ alessandro.coati@synchrotron-soleil.fr
Lucie NATAF ☎ 01 69 35 96 62 ✉ lucie.nataf@synchrotron-soleil.fr

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTORS	TITLE	GROUP
GALAXIES ODE	Jean-Pascal RUEFF Lucie NATAF	Spin states in Fe-based compounds, investigated through XES and XAS	2A
ROCK CRISTAL	Valérie BRIOIS Erik ELKAÏM	Memory effect of Layered Double Hydroxide, by EXAFS and WAXS	1A
AILES SAMBA	Jean-Blaise BRUBACH Emiliano FONDA	Spin transition in molecular magnets studied by IR THz spectroscopy and XAFS	3A



NEUTRON PRACTICALS AT LLB CEA (11TH APRIL)

GROUPS 1A, 2A, 3A

CONTACT: Françoise DAMAY ☎ 01 69 08 49 54 ✉ francoise.damay@cea.fr

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTOR	TITLE	GROUP
G4.1	Françoise DAMAY	Neutron powder diffraction: crystal and magnetic structures	1A
IMAGINE	Frédéric OTT	Neutron imaging of water diffusion in porous media	3A
G4.3	Sylvain PETIT	Phonon and magnon excitations in CaF ₂	2A

TRIESTE-HAMBURG group: TRIESTE, Italy



Elettra Sincrotrone Trieste

SYNCHROTRON RADIATION PRACTICALS AT ELETTRA (2ND – 3RD APRIL)

GROUPS 4A, 5A, 6A

CONTACTS: Andrea LOCATELLI ☎ (+39) 040-375-8703 ✉ andrea.locatelli@elettra.eu
Barbara ROSSI ☎ (+39) 040-375-8042 ✉ barbara.rossi@elettra.eu

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTOR(S)	TITLE	GROUP
Nanospectroscopy	Francesca GENUZIO, Andrea LOCATELLI, Tevfik Onur MENTEŞ	Chemical and magnetic imaging of graphene-capped thin films	4A
APE	Ivana VOBORNIK	ARPES and Spin-ARPES investigation of systems with strong spin-orbit coupling	
ESCAmicroscopy	Matteo AMATI, Luca GREGORATTI, Patrick ZELLER	2D materials at the nanometric scale: properties and functionalities	5A
SuperESCA	Paolo LACOVIG, Daniel LIZZIT, Silvano LIZZIT	Growth and intercalation of graphene on metals studied by fast XPS	
ALOISA	Albano COSSARO, Luca FLOREANO, Alberto VERDINI	On-Surface modification of organic semiconductors	6A
XAFS	Danilo OLIVEIRA DE SOUZA, Luca OLIVI, Simone POLLASTRI	Unraveling the local and electronic structure in metal oxides	

FREE ELECTRON LASER PRACTICALS AT FERMI (2ND – 3RD APRIL)

GROUPS 4A, 5A, 6A

CONTACTS: Filippo BENCIVENGA ☎ (+39) 040-375-8202 ✉ filippo.bencivenga@elettra.eu
Emanuele PEDERSOLI ☎ (+39) 040-375-8841 ✉ emanuele.pedersoli@elettra.eu

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTOR(S)	TITLE	GROUP
T-ReX	Federico CILENTO, Simone PELI	Time-resolved ARPES experiments on complex materials.	4A
MagneDyn	Antonio CARETTA, Marco MALVESTUTO	Ultrafast optomagnetism in a superconductor/ferromagnetic bilayer	5A
LDM	Carlo CALLEGARI, Daniela RUPP	Imaging of resonantly excited helium nanodroplets	6A

TRIESTE-HAMBURG group: HAMBURG, Germany**SYNCHROTRON RADIATION PRACTICALS AND TUTORIALS
AT DESY (9TH APRIL)****GROUPS 4A, 5A, 6A**

CONTACT: Rainer GEHRKE ☎ (+49) 40-8998-3914 ✉ rainer.gehrke@desy.de
Oliver SEECK ☎ (+49) 40-8998-2603 ✉ oliver.seeck@desy.de

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTOR(S)	TITLE	GROUPS
P01	Hlynur GRETARSSON, Martin SUNDERMANN	Imaging of orbitals with Inelastic X-Ray Scattering	4A, 5A, 6A
P07B	Malte BLANKENBURG, Peter STARON	Small-angle X-ray scattering from precipitation hardened aluminium alloys	4A, 5A, 6A
P08	Florian BERTRAM	Scattering on thin films and surfaces	4A, 5A, 6A

TUTORIALS ON 12TH APRIL

INSTRUCTOR	TITLE	GROUPS
Hlynur GRETARSSON, Martin SUNDERMANN, Malte BLANKENBURG, Peter STARON, Florian BERTRAM	Evaluation of data from DESY practicals	4A, 5A, 6A

**FREE ELECTRON LASER PRACTICALS
AT EUROPEAN XFEL (10TH – 12TH APRIL)****GROUPS 4A, 5A, 6A**

CONTACTS: Thomas TSCHENTSCHER ☎ (+49) 40-8998-3904 ✉ thomas.tschentscher@xfel.eu

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE**PRACTICALS ON 10TH – 11TH APRIL**

PRACTICAL	INSTRUCTORS	TITLE	GROUPS
SA1	Jan GRÜNERT, Naresh KUJALA	FEL spectra and conversion to time domain	6A
FXE	Andreas GALLER, Mykola BIEDNOV	Laser pump X-ray probe fs time resolved X-ray spectroscopy techniques	5A
SQS	Michael MEYER, Tommaso MAZZA	Ion Spectroscopy at Highly Ionized Atoms	4A

VILLIGEN-KARLSRUHE group: VILLIGEN, Switzerland

PAUL SCHERRER INSTITUT



SYNCHROTRON RADIATION PRACTICALS
AT PSI – SLS (1ST – 2ND APRIL)

GROUPS 7A, 8A, 9A, 10A

CONTACT: Jan DREISER ☎ (+41) 56-310-58-95 ✉ jan.dreiser@psi.ch

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTOR	TITLE	GROUP(S)
Phoenix	Camelia BORCA	Iron spatial distribution and its oxide forms in fluid catalytic cracking particles	8A
Adress/ARPES	Vladimir STROCOV	What is the Fermi Surface of your Smartphone? Explore electronic structure of semiconductor heterostructures by soft-X-ray ARPES	9A, 8A
SuperXAS	Olga SAFONOVA	Palladium state in advanced heterogeneous catalyst for automotive pollution control	10A, 7A
SIM	Carlos VAZ	Imaging Magnetic Nanostructures using Soft X-ray Photoemission Electron Microscopy (PEEM)	7A, 9A
cSAXS	Ana DIAZ	X-ray nanotomography with quantitative contrast	10A

VILLIGEN-KARLSRUHE group: KARLSRUHE, Germany


**SYNCHROTRON RADIATION PRACTICALS AND TUTORIALS
AT KIT Light Source (8TH – 12TH APRIL)**
GROUPS 7A, 8A, 9A, 10A

CONTACT: Tilo BAUMBACH ☎ (+49) 721 608-26820 ✉ tilo.baumbach@kit.edu
 Michael HAGELSTEIN ☎ (+49) 721 608-26186 ✉ michael.hagelstein@kit.edu
 Leyla JOCHIM ☎ (+49) 721 608-26188 ✉ leyla.jochim@kit.edu

INFORMATION ABOUT THE MEETING POINT GIVEN ON SITE

PRACTICAL	INSTRUCTOR(S)	TITLE	GROUP(S)
storage ring	Marcel SCHUH, Anke-Susanne MÜLLER	Injection to the storage ring	7A, 8A
FLUTE	Robert RUPRECHT, Nigel SMALE, Michael NASSE, Thiemo SCHMELZER	FLUTE linear accelerator for the generation of THz radiation	9A
KNMF	Thomas SCHALLER	Introduction to the Karlsruhe Nano Micro Facility	10A
INE	Jörg ROTHE, Kathy DARDENNE	X-ray Absorption Spectroscopy of radioactive materials	7A, 8A
IR1	Alexander BORIS, Yves-Laurent MATHIS	Synchrotron Fourier Transform Infra-red ellipsometry	8A, 9A
IR2	David MOSS, Biliana GASHAROVA, Yves-Laurent MATHIS	Synchrotron Fourier Transform Infra-red spectroscopy	7A, 10A
TOPOTOMO	Daniel HÄNSCHKE, Marcus ZUBER, Thomas VAN DE KAMP	Tomography, laminography	7A
NANO	Sondes BAUER	X-ray full field microscopy	8A, 7A
WERA	Stefan SCHUPPLER, Peter NAGEL, Michael MERZ	Soft X-ray spectroscopy and microscopy, X-ray Magnetic Circular Dichroism	9A, 10A
LIGA	Uwe KÖHLER, Martin BÖRNER	X-ray lithography	9A, 10A
SCD	Gernot BUTH, Anton PLECH	X-ray reflectivity	10A, 9A, 8A

PRACTICALS / TUTORIALS INSTRUCTORS IN GRENOBLE:

SURNAME	Name	Institute	E-mail
APPEL	Markus	ILL	
BEAUVOIS	Ketty	ILL	
COLIN	Claire	UGA / Institut Néel	
COURTOIS	Pierre	ILL	
CUELLO	Gabriel	ILL	
D'ACAPITO	Francesco	ESRF	
DE GEYER	Arnaud	CEA - INAC	
FABELO ROSA	Oscar	ILL	
FAVRE-NICOLIN	Vincent	ESRF / UGA	
FOUQUET	Peter	ILL	
HONECKER	Dirk	ILL	
JOLY	Yves	Institut Néel	
LEYNAUD	Olivier	Institut Néel	
LYONNARD	Sandrine	CEA - INAC	
MAYAFFRE	Hadrien	UGA / LNCMI	
MICHA	Jean-Sébastien	CEA - INAC	
MORIN	Arnaud	CEA - INAC	
MOSSANG	Eric	Institut Néel	
OLIVIER	Cécile	ESRF	
OTT	Frédéric	LLB	
PECAUT	Jacques	CEA - INAC	
PEREZ	Olivier	ENSICAEN	
PETIT	Sylvain	LLB	
PROUX	Olivier	ESRF	
RETEGAN	Marius	ESRF	
RODRIGUEZ VELAMAZAN	Alberto	ILL	
SAERBECK	Thomas	ILL	
SANCHEZ DEL RIO	Manuel	ESRF	
SEYDEL	Tilo	ILL	
WEBER	Tobias	ILL	

PRACTICALS / TUTORIALS INSTRUCTORS IN BARCELONA:

SURNAME	Name	Institute	E-mail
AGOSTINI	Giovanni	ALBA synchrotron	
AGRESTINI	Stefano	ALBA synchrotron	
GARGIANI	Pierluigi	ALBA synchrotron	
HERRERO	Javier	ALBA synchrotron	
MALFOIS	Marc	ALBA synchrotron	
MARINI	Carlo	ALBA synchrotron	
SIMONELLI	Laura	ALBA synchrotron	
SOLANO	Eduardo	ALBA synchrotron	
VALVIDARES	Manuel	ALBA synchrotron	

PRACTICALS INSTRUCTORS IN PARIS-SACLAY:

SURNAME	Name	Institut	E-mail
BRIOIS	Valérie	Synchrotron SOLEIL	
BRUBACH	Jean-Blaise	Synchrotron SOLEIL	
DAMAY	Françoise	CEA - LLB	
ELKAÏM	Erik	Synchrotron SOLEIL	
FONDA	Emiliano	Synchrotron SOLEIL	
NATAF	Lucie	Synchrotron SOLEIL	
OTT	Frédéric	CEA - LLB	
PETIT	Sylvain	CEA - LLB	
RUEFF	Jean-Pascal	Synchrotron SOLEIL	

PRACTICALS INSTRUCTORS IN TRIESTE:

SURNAME	Name	Institut	E-mail
AMATI	Matteo	Elettra Sincrotrone Trieste	
CALLEGARI	Carlo	Elettra Sincrotrone Trieste	
CARETTA	Antonio	Elettra Sincrotrone Trieste	
CILENTO	Federico	Elettra Sincrotrone Trieste	
COSSARO	Albano	IOM-CNR Laboratorio TASC	
FLOREANO	Luca	IOM-CNR Laboratorio TASC	
GENUZIO	Francesca	Elettra Sincrotrone Trieste	
GREGORATTI	Luca	Elettra Sincrotrone Trieste	
LACOVIG	Paolo	Elettra Sincrotrone Trieste	
LIZZIT	Daniel	Elettra Sincrotrone Trieste	
LIZZIT	Silvano	Elettra Sincrotrone Trieste	
LOCATELLI	Andrea	Elettra Sincrotrone Trieste	
MALVESTUTO	Marco	Elettra Sincrotrone Trieste	
MENTEŞ	Tevfik Onur	Elettra Sincrotrone Trieste	
OLIVEIRA DE SOUZA	Danilo	Elettra Sincrotrone Trieste	
OLIVI	Luca	Elettra Sincrotrone Trieste	
PELI	Simone	Elettra Sincrotrone Trieste	
POLLASTRI	Simone	CERIC-ERIC	
RUPP	Daniela	ETH Zürich	
VERDINI	Alberto	IOM-CNR Laboratorio TASC	
VOBORNIK	Ivana	IOM-CNR Laboratorio TASC	
ZELLER	Patrick	Elettra Sincrotrone Trieste	
BERTRAM	Florian	DESY Hamburg	

TUTORIALS AND PRACTICALS INSTRUCTORS IN HAMBURG:

SURNAME	Name	Institut	E-mail
BERTRAM	Florian	DESY Hamburg	
BIEDNOV	Mykola	European XFEL	
BLANKENBURG	Malte	DESY Hamburg	
GALLER	Andreas	European XFEL	

GRETARSSON	Hlynur	DESY Hamburg
GRÜNERT	Jan	European XFEL
KUJALA	Naresh	European XFEL
MAZZA	Tommaso	European XFEL
MEYER	Michael	European XFEL
STARON	Peter	DESY Hamburg
SUNDERMANN	Martin	DESY Hamburg

PRACTICALS INSTRUCTORS IN VILLIGEN:

SURNAME	Name	Institut	E-mail
BORCA	Camelia	PSI	
DIAZ	Ana	PSI	
SAFONOVA	Olga	PSI	
STROCOV	Vladimir	PSI	
VAZ	Carlos	PSI	

PRACTICALS INSTRUCTORS IN KARLSRUHE:

SURNAME	Name	Institut	E-mail
BAUER	Sondes	KIT	
BORIS	Alexander	MPG	
BÖRNER	Martin	KIT	
BUTH	Gernot	KIT	
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GASHAROVA	Biliana	KIT	
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