HERCULES SPECIALIZED COURSE: Neutrons and Synchrotron Radiation for Magnetism (HSC18)

Lectures will take place in seminar room ILL4-163 (1st floor); Coffee breaks will be served in the hall located in front of the lift (same floor)
Meeting points for the ILL / ESRF practicals will be in the hall of the ILL4 / ESRF central buidling (ground floor)
Posters will be put up during the entire week in the hall of ILL4 building hall (ground floor)

	SUNDAY 13th	MONDAY 14th	TUESDAY 15th	WEDNESDAY 16th	THURSDAY 17th	FRIDAY 18th	
08:45		*Basics on magnetism and n/SR*		*"Hands on" experiments at ILL/ESRF*		*45 min. lectures on specific topics*	08:45
09:00		**Welcome**					**09:00**
09:30		**Introduction on magnetism** Laurent Ranno (2H)	**Dichroism** Jan Vogel (1H30)	**Practicals (6 groups in parallel)** (4H) **ESRF:** ID20, ID32 *(groups 1, 2)* **ILL:** D1B, D17, Cyclops, IN3 *(groups 3, 4, 5, 6)*	**Practicals (6 groups in parallel)** (4H) **ESRF:** ID20, ID32 *(groups 3, 4)* **ILL:** D1B, D17, Cyclops, IN3 *(groups 1, 2, 5, 6)*	**Low D magnetism** Henrik Rønnow	09:30
10:00							**10:00**
10:30			Coffee break			**Frustrated magnetism Multiferroics** Virginie Simonet	10:30
11:00		Coffee break	**Resonant elastic and inelastic X-ray scattering (REXS & RIXS)** Des Mc Morrow (1H30)				**11:00**
11:30		**What do we see with neutrons in magnetism?** Laurent Chapon (1H30)				Coffee break	11:30
12:00						**Actinides** Roberto Caciuffo	**12:00**
12:30			LUNCH epn campus restaurant				12:30
13:00		LUNCH epn campus restaurant		LUNCH epn campus restaurant	LUNCH epn campus restaurant	LUNCH epn campus restaurant	**13:00**
14:00			**Elastic neutron scattering** Navid Qureshi (1H30)			**Superconductors** Giacomo Ghiringhelli	**14:00**
14:30		**What do we see with X-rays in magnetism?** Luigi Paolasini (1H30)					14:30
15:00				**Practicals (6 groups in parallel)** (4H) **ESRF:** ID20, ID32 *(groups 1, 2)* **ILL:** D1B, D17, Cyclops, IN3 *(groups 3, 4, 5, 6)*	**Practicals (6 groups in parallel)** (4H) **ESRF:** ID20, ID32 *(groups 5, 6)* **ILL:** D1B, D17, Cyclops, IN3 *(groups 1, 2, 3, 4)*	**Iridates** Bumjoon Kim	**15:00**
15:30			Coffee break				15:30
16:00		Coffee break				Coffee break	**16:00**
16:30		**X-ray and neutron reflectivity** Sean Landgridge (1H30)	**Inelastic neutron scattering** Mechthild Enderle (1H30)			**Magnetism & alternative X-ray sources** Jan Lüning	16:30
17:00						**Conclusion**	**17:00**
17:30	REGISTRATION (epn campus guesthouse)						17:30
18:00			**Presentation of the practicals** L. Chapon + L. Paolasini				**18:00**
18:30		POSTER Session WINE & CHEESE (ILL4, main hall, ground floor)					18:30
19:00	Welcome BBQ (next to the epn campus guesthouse)						**19:00**
19:30			DINNER epn campus restaurant	DINNER epn campus restaurant	Restaurant Caffe Forte		19:30
20:00							**20:00**
21:00							**21:00**
21:30							21:30
22:00							**22:00**