

X-Ray and Neutron Science 9th ESRF/ILL International Student Summer Programme 3th – 29th September 2023



Sunday, 3 rd September – Arrival on site		
18:00 – 21:00	Welcome reception & get together at the "Chalet"	Students, tutors, organisers

Monday, 4 th September – Oral Sessions – ESRF Visitor Center & Auditorium		
08:30 – 09:45	Administrative Formalities	ESRF students 8:30 ESRF room 421 ILL students: 8:30 Chadwick Amphitheatre
	ESRF Visitor Center	
10:00 – 11:00	Welcome address and presentation of the ESRF	Francesco Sette (ESRF Director General)
11:00	Coffee break	
11:15 – 12:15	Welcome address and presentation of the ILL	Jacques Jestin (Dir. Science Div. ILL)
12:15 – 13:30	Lunch break (common restaurant on site)	
	ESRF Auditorium	
13:30 – 14:30	X-rays and their Interaction with Matter (part 1)	Luigi Paolasini (ESRF)
14:30	Coffee break	
14:45 – 15:30	X-rays and their Interaction with Matter (part 2)	Luigi Paolasini (ESRF)
15:30 – 17:00	Safety training for ESRF students (room BEL 1-01)	

Tuesday, 5 th September – Oral Sessions – ESRF Auditorium		
08:30 - 09:30	Neutrons Production	Ulli Köster (ILL)
09:30	Coffee break	
10:00 – 11:00	Neutron Instrumentation	Eddy Lelièvre-Berna (ILL)
	Lunch break	
14:00 – 15:00	Principles of Synchrotron Radiation	Nicola Carmignani (ESRF)
15:00	Coffee break	
15:30 – 16:30	X-ray Instrumentation	Raymond Barrett (ESRF)

	Wednesday, 6 th September – Oral Sessions – ESRF Auditorium		
09:00 – 10:00	Neutrons and their Interaction with Matter (part 1)	Mark Johnson (ILL)	
10:00	Coffee break		
10:30 – 11:30	Neutrons and their Interaction with Matter (part 2)	Mark Johnson (ILL)	
	Lunch break		
	Visit of facilities		
13:30– 15:00	Meeting point: in front of canteen Visit of ESRF (group 1) – Visit of ILL (group 2)	Yannick Lacaze ESRF, Paul Steffens ILL	
15:00	Coffee break		
15:30 – 17:00	Meeting point: in ESRF entrance hall Visit of ESRF (group 2) – Visit of ILL (group 1)	Yannick Lacaze ESRF, Paul Steffens ILL	

Thursday, 7 th September		
8:30	Safety-training ILL students	ILL4 Seminar Room (1st floor)
Rest of the day	Laboratory Work	

Friday,8th September – Laboratory work (project)

Monday, 11 th September – Oral morning session – ESRF Auditorium		
09:00 – 10:00	Neutron Diffraction	Juan Rodriguez-Carvajal (ILL)
10:00	Coffee break	
10:30 – 11:30	Neutron Spectroscopy	Andrew Wildes (ILL)
Afternoon	Laboratory work (project)	

Tuesday, 12th September – Laboratory work (project)

Wednesday, 13 th September – Oral morning session – ESRF Auditorium		
09:00 – 10:00	X-ray Diffraction	Tobias Schulli (ESRF)
10:00	Coffee break	
10:30 – 11:30	Magnetic and lattice excitations characterized with neutron scattering	Mechthild Enderle (ILL)
Afternoon	Laboratory work (project)	

Thursday, 14th September – Laboratory work (project)

Friday, 15th September – Laboratory work (project)

Monday, 18 th September – Oral morning session – ESRF Auditorium		
09:00 – 10:00	X-ray Coherence	Vincent Favre-Nicolin (ESRF)
10:00	Coffee break	
10:30 – 11:30	Synchrotron radiation and Structural Biology	Montserrat Soler-Lopez (ESRF)
Afternoon	Laboratory work (project)	

Tuesday, 19th September – Laboratory work (project)

Wednesday, 20 th September – Oral morning session – ESRF Auditorium		
09:00 – 10:00	X-ray Imaging	Peter Cloetens (ESRF)
10:00	Coffee break	
10:30 – 11:30	X-ray Studies under Extreme Conditions	Mohamed Mezouar (ESRF)
Afternoon	Laboratory work (project)	

Thursday, 21th September – Oral morning session – ESRF Auditorium		
09:00 – 10:00	Soft Matter Studies with X-rays	Narayanan Theyencheri (ESRF)
10:00	Coffee break	
10:30 – 11:30	Soft Matter Studies with Neutrons	Leonardo Chiappisi (ILL)
Afternoon	Laboratory work (project)	

Friday, 22th September – Laboratory work (project)

Monday, 25th September – Laboratory work (project)

Tuesday, 26 th September – Oral morning session – Room MD1-21		
09:00 – 10:00	Magnetism and X-ray Dichroism	Andrei Rogalev (ESRF)
10:00	Coffee break	
10:30 – 11:30	Nuclear & Particle Physics	Oliver Zimmer (ILL)
Afternoon	Laboratory work (project)	

Wednesday, 27th September – Laboratory work (project)

Thursday, 28 th September – Students' Workshop – ESRF Auditorium			
Session 1: chair	Session 1: chair		
13:45 – 14:00	Welcome + Introduction	Patrick Bruno, ESRF	
14:00 – 17:00	Presentations part 1		
Session 2: chair	Session 2: chair		
16:00 – 17:00	Presentations part 2		

Friday, 29 th September – Students' Workshop – ESRF Auditorium		
Session 3: chair		
09:00 – 10:00	Presentations part 3	
Session 4: chair		
10:30 – 12:00	Presentations part 4	
12:00 – 12:15	Closing remarks	Paul Steffens (ILL)
20:00	Farewell dinner in town	