Oxford School on Neutron Scattering, 2022, Week 1

Π	5 Sep 2022	6 Sep 2022	7 Sep 2022	8 Sep 2022	9 Sep 2022
	All Groups	**All Groups**	**All Groups**	**All Groups**	**All Groups**
8.30	Intro and Welcome				
9:00	Neutron properties and interactions (Boothroyd)	Scattering Theory (Boothroyd)	Reciprocal space (Boothroyd)	Intro to spectroscopy (Boothroyd)	Coherent & incoherent scattering (Boothroyd)
10:00	Neutron Sources (Voigt)	Neutron Instruments (Janoschek)	Diffraction from non-crystalline materials (Egelhaaf)	Diffraction from surfaces (Fragneto)	Introduction to Polarized Neutrons (Nilsen)
11:00	Coffee Break				
11:30	Fourier Transforms (Sivia)	Diffraction from crystalline materials (Clark)	Crystal Refinement (Clark)	Practical Neutron Scattering I (Stewart)	Practical Neutron Scattering II (Stewart)
12:30	Lunch				
14:00	**Maths Drop-In**	**Tutorials**			Bus
	Stewart	Stewart	Stewart	Stewart	Tour of ISIS
	Boothroyd	Boothroyd	Boothroyd	Boothroyd	
		Clark	Clark	Clark	
		Egelhaaf	Egelhaaf	Fragneto	
15.00	Coffee Break				
15.30	**Neutron Tutorials**	Coffee Break			
16.00	Stewart	Student Presentations	Student Presentations	Proposal Writing (Garcia Sakai)	
	Boothroyd				
	Garcia Sakai				
	Langridge				
Evening	6 pm **Reception** *St Anne's*	8 pm **When the Chips are Down…** *Dr C D Frost*		8 pm **Chadwick and Meitner** *Prof G Lander*	8 pm **Pub Quiz** (St Anne's College Bar)

Oxford School on Neutron Scattering, 2022, Week 2

	12 Sep 2022			13 Sep 2022			14 Sep 2022			15 Sep 2022		
	Phys	**Chem**	**Soft**	**Phys**	**Chem**	**Soft**	**Phys**	**Chem**	**Soft**	**Phys**	**Chem**	**Soft**
9:00	Neutrons / X-rays in magnetism (Johnson)		SANS / SAXS (Edler)	Magnetic Diffraction (Johnson)	Molecular Spectroscopy (Parker)		Magnetic refinement (Johnson)	Diff+Spec Membranes (Garcia Sakai)		Engineering (Vasilaiou)		
10:00	Measuring Phonons (Weber)		WANS & WAXS, PDF (Edkins)	Spin Waves (Schneide-wind)	Diffusion in solids + liquids (Alba)		Nano-Magnetism (Langridge)	Diff + SpecSurface Chemistry (Clarke)		Density Functional Theory (Jackson)		
11:00	Coffee Break											
11:30	Neutron Compton Scattering (Romanelli)			Local and Short-Range Magnetic Excitations (Schneidewind)		Dynamics in soft-matter (Alba)	Neutron Imaging (Kardjilov)			Modelling magnetic excitations (Ziman)	MD simulations (Armstrong)	
12:30	Lunch											
14:00	**Tutorials**									**Review Panel and Close of School**		
	Weber			Schneidewind/Johnson			Langridge/Johnson					
	Johnson											
	Romanelli			Parker			Clarke					
	Edkins/Edler			Garcia Sakai			Kardjilov					
				Alba			Garcia Sakai					
15:30	Coffee Break			Coffee Break			Coffee Break					
16.00	Proposal Writing Session			Proposal Writing Session			Proposal Writing Session					
Evening				8 pm **Seeing is believing - polymers and neutron scattering** *Prof J S Higgins*						8 pm **Gala Dinner**		