

Oxford School on Neutron Scattering, 2019, Week 1

	2 Sep 2019	3 Sep 2019	4 Sep 2019	5 Sep 2019	6 Sep 2019
	All Groups	All Groups	All Groups	All Groups	All Groups
8.30	Intro and Welcome				
9:00	Neutron properties and interactions (Boothroyd)	Practical Neutron Scattering (Stewart)	Reciprocal space (Boothroyd)	Intro to spectroscopy (Boothroyd)	Coherent & incoherent scattering in Diffraction and Spectroscopy (Boothroyd)
10:00	Fourier Transforms (Sivia)	Neutron Sources (Andersen)	Diffraction from crystalline materials (Henry)	Diffraction from surfaces (Fragneto)	Practical isotopic substitution /contrast matching (Fragneto)
11:00	Coffee Break				
11:30	Scattering Theory (Boothroyd)	Error Propagation (Stewart)	Diffraction from non-crystalline materials (Cuello)	Neutron Instruments (Andersen)	Introduction to Polarized Neutrons (Nilsen)
12:30	Lunch				
14:00	Maths Tutorials	Bus	Tutorials		
	Stewart	Tour of ISIS	Stewart	Stewart	Stewart
	Langridge		Boothroyd	Boothroyd	Boothroyd
	Sivia		Cuello	Fragneto	Fragneto
	Andersen		Henry	Henry	Nilsen
15:00	Coffee Break	Tour of ISIS	Coffee Break		
15.30	Neutron Tutorials		Coffee Break		
16.00	Stewart		Student Presentations	Student Presentations	Proposal Writing (Garcia Sakai)
	Boothroyd				
	Henry				
	Andersen				
Evening	6 pm Reception St Anne's	8 pm Evening Lecture Prof W G Stirling	8 pm Seeing is believing - polymers and neutron scattering Prof J S Higgins	8 pm Chadwick and Meitner Prof. G Lander	8 pm Pub Quiz (St Anne's College Bar)

Oxford School on Neutron Scattering, 2019, Week 2

	9 Sep 2019			10 Sep 2019			11 Sep 2019			12 Sep 2019			
	Phys	Chem	Soft	Phys	Chem	Soft	Phys	Chem	Soft	Phys	Chem	Soft	
9:00	Neutrons / X-rays in magnetism (Qureshi)		SANS / SAXS (Edler)	Diffraction from Magnetic Materials (Qureshi)	Molecular Spectroscopy (Parker)		Spin Wave Theory (Ewings)	Diff + SpecSurface Chemistry (Clarke)		Density Functional Theory (Refson)			
10:00	Measuring Phonons (Lander)		WANS and WAXS, PDF (Edkins)	Measuring Spin Waves (Lake)	Diffusion in solids + liquids (Faraone)		Magnetic structure refinement (Qureshi)	Diff+Spec Membranes (Garcia Sakai)		Nano- and Micro-Magnetism (Langridge)	MD simulations (Bresme)		
11:00	Coffee Break												
11:30	Neutron Compton Scattering (Senesi)			Local and Short-Range Magnetic Excitations (Lake)		Dynamics in soft-matter QENS/NSE (Faraone)	Neutron Imaging (Kardjilov)			Chip Irradiation (Frost)			
12:30	Lunch												
14:00	Tutorials											Review Panel and Close of School	
	Lander			Lake			Ewings						
	Qureshi			Qureshi			Qureshi						
	Senesi			Parker			Clarke						
	Edkins			Garcia			Kardjilov						
	Edler			Faraone			Faraone/Garcia Sakai						
15:30	Coffee Break			Coffee Break			Coffee Break						
16.00	Proposal Writing Session			Proposal Writing Session			Proposal Writing Session						
Evening	8pm Games Night (St Anne’s College Bar)			8 pm Life sciences: proteins, protons, and liminal space <i>Prof T Forsyth</i>						8 pm Gala Dinner			