

Oxford School on Neutron Scattering, 2019, Week 1

Π	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 (Boothroyd)
10:00	Fourier Transforms (Sivia)	Neutron Sources (Andersen)	Diffraction from crystalline materials (Henry)	Diffraction from surfaces	Introduction to Polarized Neutrons (Nilsen)
11:00	Coffee Break				
11:30	Scattering Theory (Boothroyd)	Error Propagation (Stewart)	Diffraction from non-crystalline materials (Cuello)	Neutron Instruments (Andersen)	Proposal Writing (Garcia Sakai)
12:30	Lunch				
14:00	Maths Tutorials	Bus	Tutorials		
	Stewart		Stewart	Stewart	Stewart
	Langridge		Boothroyd	Boothroyd	Boothroyd
	Sivia		Cuello	Langridge	Andersen
	Andersen	Tour of ISIS	Henry	Henry	Nilsen
15:00	Coffee Break				
15:30	Neutron Tutorials		Coffee Break		
16:00	Stewart		Student Presentations	Student Presentations	
	Boothroyd				
	Henry				
	Andersen				
Evening	6 pm Reception <i>St Anne's</i>	8 pm Evening Lecture <i>Prof W G Stirling</i>	8 pm Seeing is believing - polymers and neutron scattering <i>Prof J S Higgins</i>	8 pm Chadwick and Meitner <i>Prof. G Lander</i>	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)	Magnetic Diffraction (Qureshi)	Molecular Spectroscopy (Parker)		Spin Wave Theory (Ewings)	Diff + SpecSurface Chemistry (Clarke)		Density Functional Theory (Refson)		
10:00	Measuring Phonons (Lander)		WANS & WAXS, PDF (Edkins)	Measuring Spin Waves (Lake)	Diffusion in solids + liquids (Faraone)		Magnetic refinement (Qureshi)	Diff+Spec Membranes (Garcia Sakai)		Nano-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 (Faraone)	Neutron Imaging (Kardjilov)			Chip Irradiation (Frost)			
12:30	Lunch											
14:00	Tutorials											
	Lander			Lake			Ewings			Review Panel and Close of School		
	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		