

UK Neutron and Muon Science and User Meeting Student Day 2021

For students using neutrons or muons in their research

Monday 19 April

	Zoom link: (webinar)
10:00	Welcome and overview — <i>Philip King</i>
	Introduction to ISIS communications — <i>Rosie de Laune</i>
10:15	<p><u>Session I: Group Talks</u> <i>Chair: Nick Funnell (ISIS)</i> Large scale structures (SANS and NR) — Armando Maestro (ILL) Crystallography — Silvia Capelli (ISIS) Excitations and polarisation — Christian Balz (ISIS) Engineering and industry — Alessandro Tengattini (ILL)</p>
11:15	Coffee break and Q&A with speakers , Zoom link: (meeting) <i>Chair: Rosie de Laune</i>
11:50	<p><u>Session I: Student Talks</u> Zoom link: (webinar) <i>Chair: Nicola Kelly (University of Cambridge)</i> Andreas Santamaria (ILL) – Structure and function investigation on membrane-interacting proteins Aly Abdeldaim (University of Birmingham and ISIS) – Realizing square and diamond lattice $S=1/2$ Heisenberg antiferromagnet models in the α and β phases of the coordination framework, $\text{KTi}(\text{C}_2\text{O}_4)_2 \cdot x\text{H}_2\text{O}$ Yifan Li (University of Sheffield) – Study of the mechanism of fire induced spalling of concrete using neutron tomography Madeleine Georgopoulou (UCL/ILL) – Zn_2-averievite: a new quantum spin liquid candidate</p>
	<i>Lunch Break</i>
14:00	<p><u>Session II: Group Talks</u> Zoom link: (webinar) <i>Chair: Kun Ma (ISIS)</i> Muon Spectroscopy – Adam Berlie (ISIS) Spectroscopy — Mona Sarter (ISIS) Disordered materials — Gabriel Cuello (ILL) ISIS support laboratories — Daniel Nye (ISIS)</p>
15:00	Coffee break and Q&A with speakers , Zoom link: (meeting) <i>Chair: Jeff Armstrong</i>
15:30	<p><u>Session II: Student Talks</u> Zoom link: (webinar) <i>Chair: Nimai Mehta (Cardiff University)</i> Thomas Hicken (Durham University) – Dynamics of topological magnetic states probed with muon- spin relaxation Jennifer Graham (ILL/University of Birmingham) – Exploring disorder with diffuse neutron scattering Panda Kartik (Ramakrishna Mission Vivekananda Educational and Research Institute) – Probing the superconducting ground state of TlR_2Si [T= Zr, Hf]: A muon spin rotation and relaxation study Mohamed Aouane (ILL) – Inelastic Neutron Scattering of Endofullerenes</p>
16:30	<i>End</i>