

**Lectures**

9:30 - 10:00	Graeme	Luke	Introduction to $\mu$ SR
10:15 - 10:45	Roberto	De Renzi	Muon Spin Relaxations
10:45 - 11:15	Ifeanyi John	Onuorah	DFT+ $\mu$ : Density functional theory for muon site calculations
11:30 - 12:00			Demonstrations of computational techniques

**LUNCH****Student Contributions (12 minutes + 3 minutes for questions)**

13:00	Juncheng	Huang	Low Energy $\mu$ SR Investigation of Helimagnetism in MnGe Films
13:15	Philip	Jones	Muon Cascade Calculations
13:30	Soshi	Ishitani	Development of Muon Spin Imaging
13:45	Mikhail	Yakovlev	Atypical Vortex Lattice and the Magnetic Penetration Depth in Superconducting Sr <sub>2</sub> RuO <sub>4</sub> Deduced by $\mu$ SR
14:30	Theo	Breeze	Anomalous Magnetism in Ni <sub>1/2</sub> : How Structure Affects Dynamics
14:45	Katie	Curvelo	Muonium Formation and Dynamics in Double Perovskites Cs <sub>2</sub> AgBiX <sub>6</sub> (X = Cl, Br)
15:00	Miyahara	Hiroaki	$\mu$ SR Data Analysis with Bayesian Neural Networks
15:15	Edward	Thoeng	$\beta$ -SRF — A Facility for Depth-Resolved Characterization of the Magnetic Field Screening in Superconducting RF Materials
15:45	Benjamin	Orton	<u>Investigating Structural Relaxations in DGEBA - A Unification of Microscopic and Macroscopic Methods</u>
16:00	Nathan	Bentley	Magnetism of N(1/3)S <sub>2</sub> (N=Fe, V): Insight into the Intercalated Transition-Metal Dichalcogenides Using $\mu$ SR