

Muon User Meeting - 2024

Thursday, 5 September 2024

Science Session: Session 1 - The Garden Room (11:00 - 12:40)

-Conveners: Francis Pratt

time	[id] title	presenter
11:00	[2] Revisiting μ SR results in MnO	BONFA, Pietro
11:25	[3] Manipulating and probing quantum states with RF muon spectroscopy	GIBLIN, Sean
11:50	[4] An example to use DFT and μ SR to real electronic states of La ₂ CuO ₄	WATANABE, Isao
12:15	[5] Photo-MuSR and semiconductors: Recent developments	MENGYAN, Rick (P.W.)

Science Session: Early Career Presentations - The Garden Room (14:00 - 15:45)

-Conveners: Mark Telling

time	[id] title	presenter
14:00	[25] Formation and annihilation of bulk recombination-active defects induced by muon irradiation of crystalline silicon	Ms YADAV, Anup
14:15	[26] Enhanced Fluctuations in the Quantum Kagome Antiferromagnet Yttrium Kapellasite (Y ₂ Cu ₂ (OH) ₉ Cl ₂) under Pressure	Dr CHATTERJEE, Dipranjan
14:30	[27] Muonic Cascade Calculations	Mr JONES, Philip
14:45	[28] Magnetism of V _{1/3} NbS ₂ : insight into an intercalated transition-metal dichalcogenide using μ SR	Mr BENTLEY, Nathan
15:00	[29] First principal calculation of the magnetic properties and muon stopping site in metal oxide with different Electronic correlational Functionals	Ms CHAROENPHON, Supparat
15:15	[30] Using simulations to inform μ SR data analysis	Ms MPEMBE FRANCO, Paula
15:30	[23] Introduction to the Comms Team	DE LAUNE, Rosie

Friday, 6 September 2024

Science Session: Session 2 - The Garden Room (09:30 - 11:10)

-Conveners: Peter Baker

time	[id] title	presenter
09:30	[6] Applications of MSCP's tools	Dr LIBORIO, Leandro
09:55	[7] μ SR studies of the metal-organic-framework kagome quantum spin liquid Cu ₃ (HOTP) ₂	Dr PRATT, Francis
10:20	[9] Study of Muon Dynamics in Battery Materials	RAMLI, Irwan
10:45	[10] DNA through the Eyes of Computational Chemistry and Muon Science	ZAHARIM, Wan Nurfadhilah

Science Session: Session 3 - The Garden Room (11:30 - 12:45)

-Conveners: Sayani Biswas

time	[id] title	presenter
11:30	[11] Measuring the muonic hydrogen hyperfine splitting with FAMU	Dr PIZZOLOTTO, Cecilia
11:55	[12] Measurement of radio-isotope production probability by muon capture using in-beam activation method	Prof. NIIKURA, Megumi
12:20	[13] PCA for Muons: why and how	QUINTANILLA, Jorge

Science Session: Session 4 - The Garden Room (13:45 - 15:00)

-Conveners: Adam Berlie

time	[id] title	presenter
13:45	[14] A μ SR study of ion dynamics in hybrid perovskites under illumination	PAPADOPOULOS, Konstantinos
14:10	[15] μ SR with microwave excitation	DOLL, Andrin
14:35	[16] Establishing the limitations of photoexcited muon spin spectroscopy	PAIN, Sophie