

— **CRC1238 Oct 2021 Retreat Schedule** —

Tuesday

16:30 : Student Arrival

17:00 - 19:00 : Ideas Lab I

Wednesday

9:00 - 10:30 : Oliver Breunig and Henry Legg, “Tutorial 1: Topology and Devices”

10:30 - 11:00 : Break

11:00 - 12:30 : Ciarán Hickey, “Tutorial 2: Kitaev Materials”

12:30 - 14:00 : Lunch

14:00 - 15:00 : Ideas Lab II

15:00 : PI Arrival

15:30 - 16:15 : Gertjan Lippertz, “Breakdown of the quantum anomalous Hall effect”

16:15 - 17:00 : Yannic Falke, “Electronic properties of topological insulator - organic superconductor interfaces”

17:00 - 17:15 : Break

17:15 - 17:30 : Poster teasers

17:30 - 19:00 : Poster Session

Thursday

9:00 - 9:45 : Stefan Blügel, “Topological-chiral magnetic interactions driven by emergent orbital magnetism”

9:45 - 10:30 : Jeison Fischer, “Complex spin textures in anisotropic DMI environment: search for antiskyrmions on surfaces”

10:30 - 11:00 : Break

11:00 - 11:45 : Ionela Lindfors-Vrejoiu, “Tailored magnetic anisotropy and magnetic domain textures in ferromagnetic oxide heterostructures”

11:45 - 12:30 : Corinna Kollath, “Multimagnons in BCVO using THz spectroscopy”

12:30 - 14:00 : Lunch

14:00 - 14:45 : Carl Zelle, “Non-reciprocal criticality”

15:00 - 17:00 : Social event

17:00 - 17:15 : Break

17:15 - 17:30 : Ideas Lab III

17:30 - 17:45 : Poster teasers

17:45 - 19:00 : Poster Session

Friday

9:00 - 10:00 : Parallel topic-centred discussion sessions

10:00 - 10:30 : Break

10:30 - 11:15 : Hamoon Hedayet, “Magneto-optical study of the Kitaev spin liquid candidate α - RuCl_3 in equilibrium and non-equilibrium states”

11:15 - 12:00 : Aprem Joy, “Dynamics of visons in Kitaev matter and thermal Hall effect in RuCl_3 ”

12:00 - 12:45 : Markus Grüninger, “Fingerprints of Kitaev physics in RIXS on Na_2IrO_3 ”

13:00 : Lunch