



## Invitation

### LMU-Seminar

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**Title:** Exploring non-equilibrium behaviour in frustrated magnetic systems

**Speaker:** Dr. Sean Giblin  
School of Physics and Astronomy, Cardiff University, UK.

**Time:** Wednesday, June 21<sup>st</sup> 2017, 14:00

**Place:** WBGB/019

#### **Abstract:**

There has been a large amount of interest in spin ice materials due to the experimental evidence of quasiparticles which have an equivalence to the behaviour of magnetic monopoles. In this talk I will describe an experimental search of the relaxation mechanism of these excitations. Below the known freezing transition I show evidence of different relaxation mechanisms that can be controlled by the method of experimental preparation. Integral to this interpretation is the stability of the spin ice ground state, and I will also describe our efforts to characterise the ground state using carefully controlled neutron experiments.