

**Static long range magnetic order in the frustrated spin ice  
 $\text{Tb}_2\text{Sn}_2\text{O}_7$**

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The ground state of the ordered spin ice  $\text{Tb}_2\text{Sn}_2\text{O}_7$  is proving difficult to unambiguously define. Recent independent muon investigations suggest the possibility of exotic ground states. Both theories preclude the observation of a static magnetic order on time scales longer than  $10^{-6}$  s. Evidence is provided here that long range order is observed, moreover the magnetic signal is strongly susceptible to field cooling suggesting magnetic cluster formation indicative of a non-homogenous lattice in this ordered spin ice.