

Low Temperature Magnetization of a New Spin-Ice System CdEr₂Se₄

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Recently we have shown that a compound CdEr₂Se₄ shows a characteristics of a spin-ice system.¹ This is a first erbium-based spin-ice system and also a first outside of a pyrochlore family. We will present the results of the magnetization measurements performed around the freezing temperature.

¹J. Lago et al., PRL 104, 247203 (2010)