

Competition of Magnetocrystalline Anisotropy of Uranium Layers and Zig-Zag Chains in $\text{UNi}_{0.34}\text{Ge}_2$ Single Crystals

SUPPLEMENTAL MATERIAL

Adam P. Pikul,^{1, 2,*} Maria Szlawska,¹ Xiaxin Ding,³ Józef Sznajd,¹ Masashi Ohashi,⁴ Dorota A. Kowalska,¹ Mathieu Pasturel,⁵ and Krzysztof Gofryk²

¹*Institute of Low Temperature and Structure Research, Polish Academy of Sciences, 50-422 Wrocław, Poland*

²*Idaho National Laboratory, Idaho Falls, Idaho 83415, USA*

³*Glenn T. Seaborg Institute, Idaho National Laboratory, Idaho Falls, ID 83415, USA*

⁴*Institute of Science and Engineering, Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan*

⁵*Univ Rennes, CNRS, Institut des Sciences Chimiques de Rennes, UMR6226, Rennes, France*

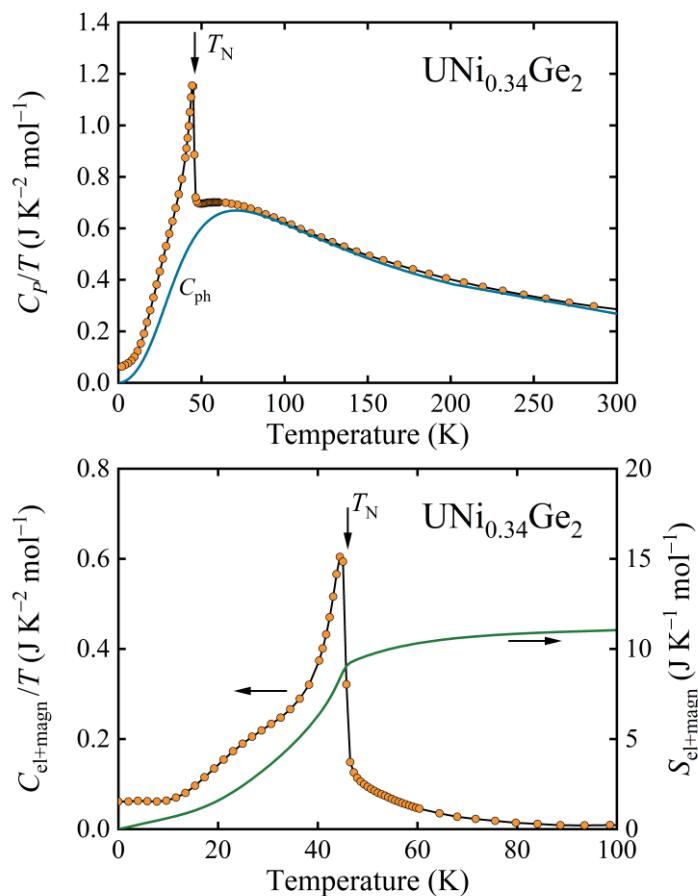


Fig. SM1. (a) Temperature variation of specific heat C_P of $\text{UNi}_{0.34}\text{Ge}_2$ together with the estimated phonon contribution C_{ph} (based on the parameters described in the article). (b) Non-phonon part of the specific heat (left axis, orange dots), defined as $C_{\text{el+magn}} = C_P - C_{\text{ph}}$, and the non-phonon entropy $S_{\text{el+magn}}$ as a function of T (green line).