

ADVANCED MATERIALS

Supporting Information

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Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals

*Xiyang Li, Shilei Zhang, Hang Li, Diego Alba Venero,
Jonathan S White, Robert Cubitt, Qingzhen Huang, Jie Chen,
Lunhua He, Gerrit van der Laan, Wenhong Wang, Thorsten
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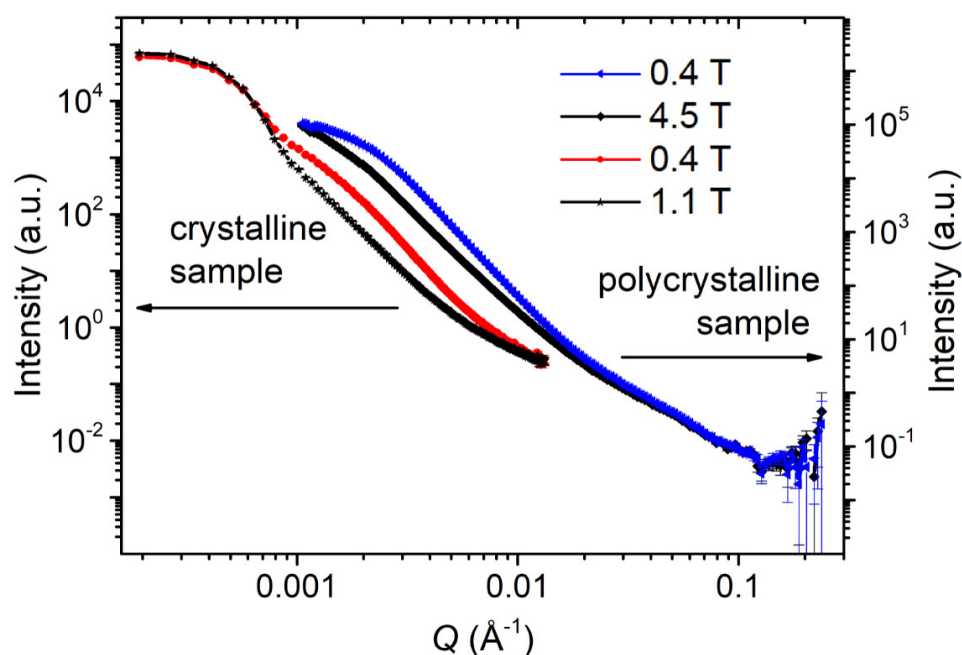


Figure S1: Reduced 1-dimensional data for the polycrystalline sample measured on SANS2d@ISIS and for the single-crystalline sample measured on D11@ILL. The scattering intensity for the low field biskyrmion state is larger compared to the high-field polarized state.

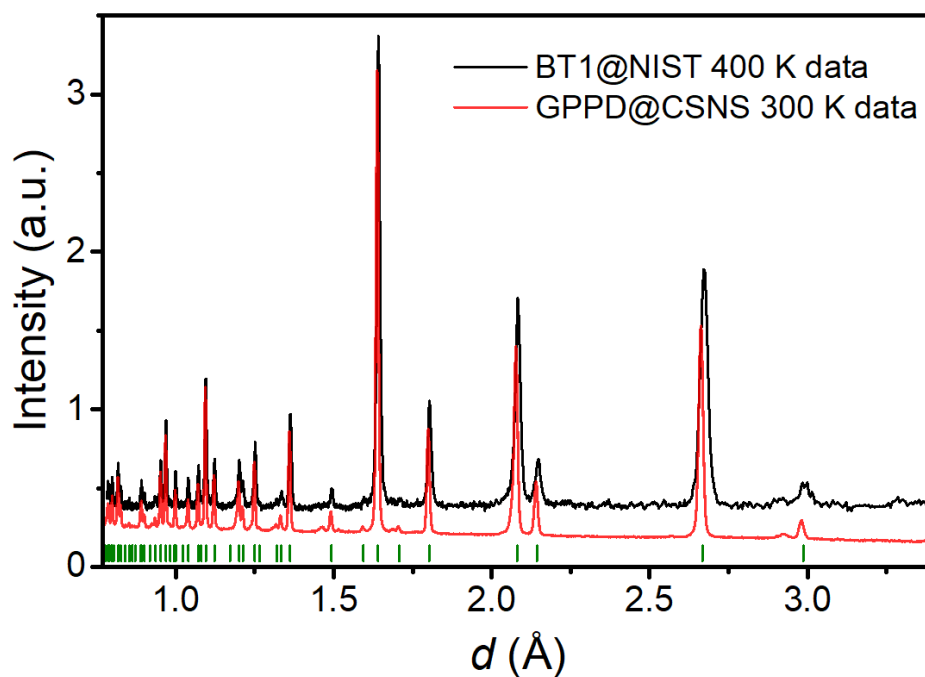


Figure S2: Comparison of neutron diffraction data obtained at 300 K and 400 K. The Curie temperature of the sample is ~ 350 K (as reported in reference [19]). Note that no magnetic satellites associated with the helical/conical phase are measured at 300 K as the helical period is too large to be detected by neutron diffraction. The green lines represent the Bragg peak positions of the crystalline structure.