Incipient Ferromagnetism in $Tb_2Ge_2O_7$:

Application of Chemical Pressure to the Spin Liquid $Tb_2Ti_2O_7$

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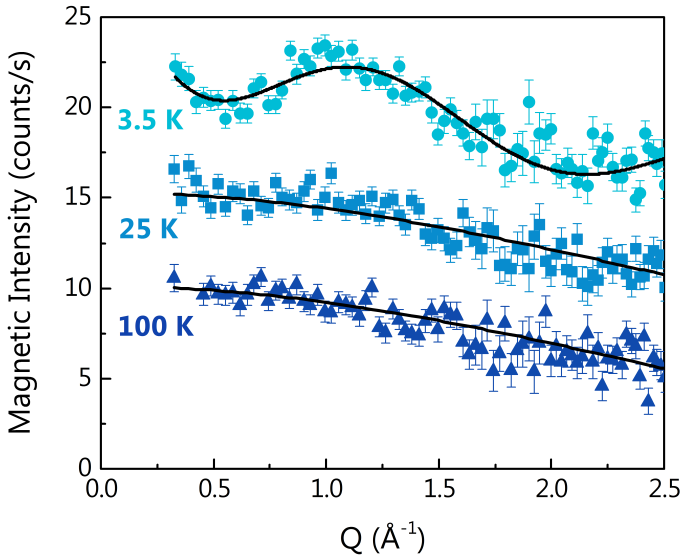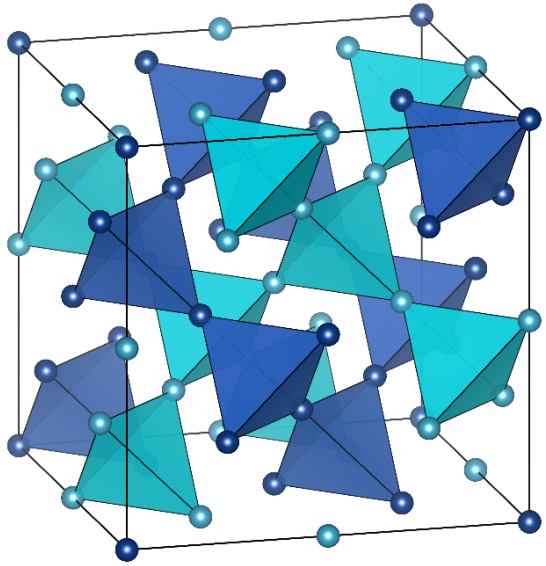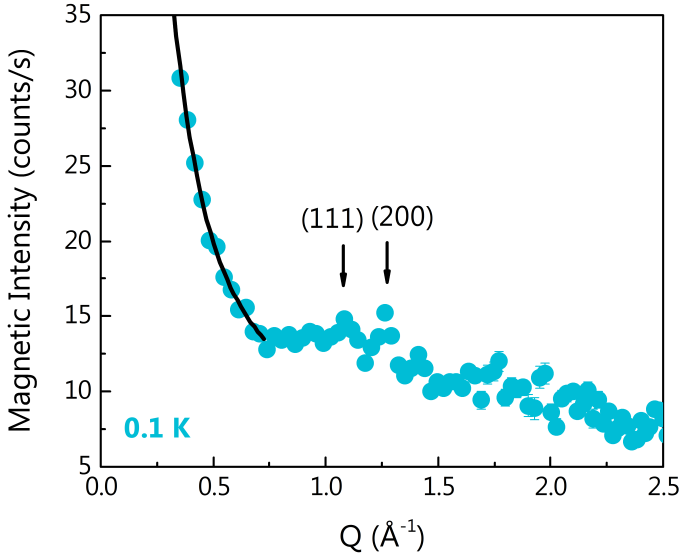
We have synthesized and characterized a positive chemical pressure analog of $Tb_2Ti_2O_7$. Neutron scattering and susceptibility measurements reveal a lack of static order in $Tb_2Ge_2O_7$ down to 20 mK, but with strong ferromagnetic correlations.