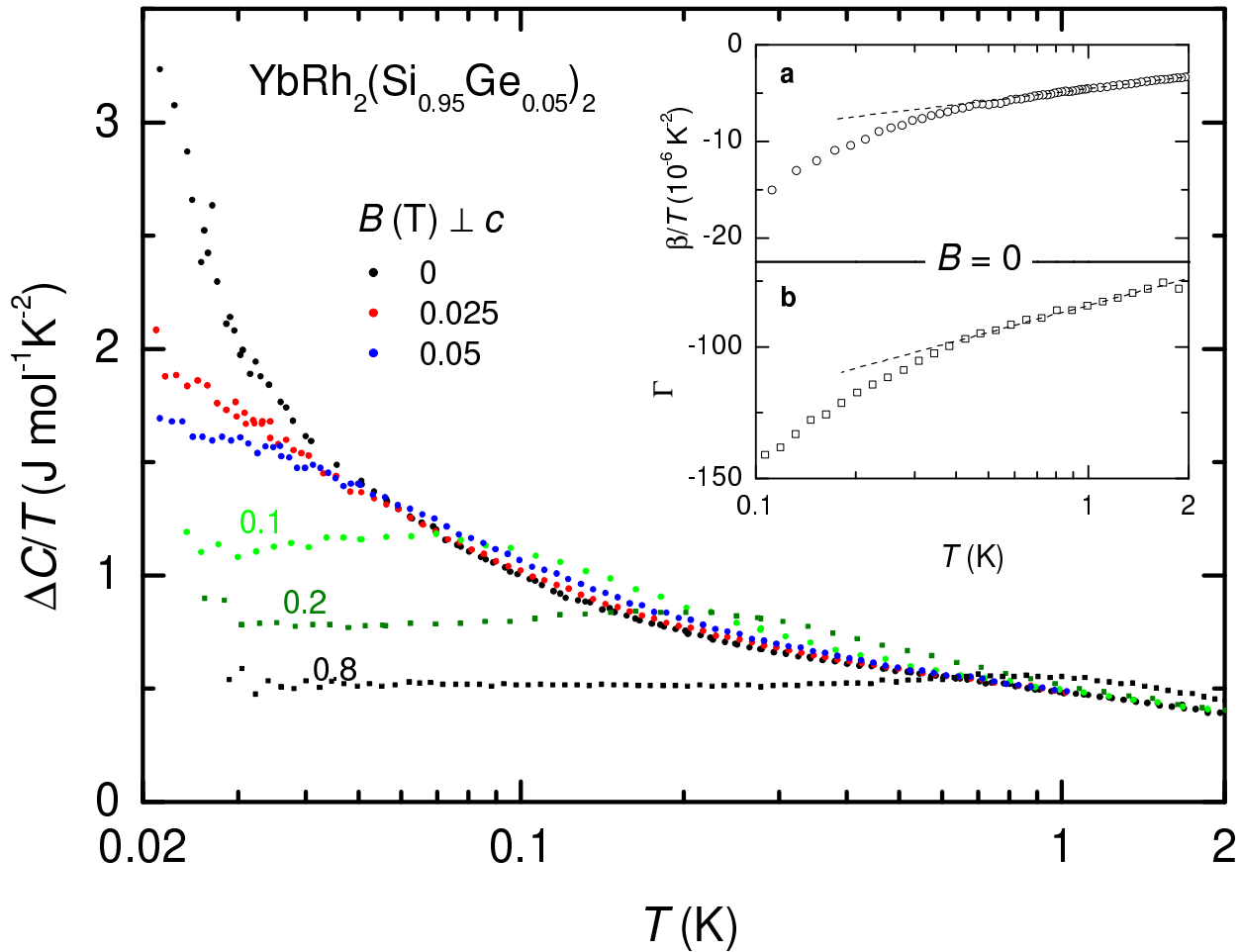


Low- T specific heat and thermal expansion

Volume thermal expansion $\beta = 2\alpha_{\perp} + \alpha_{\parallel}$

effective Grüneisen parameter $\Gamma = V_{\text{mol}} \beta \kappa_T^{-1} \Delta C^{-1}$

bulk modulus $1/\kappa_T = 187 \text{ GPa}$ (M. Abd Elmeguid, 2001)



- $\Delta C/T$, $|\beta|/T$, and $|\Gamma|$:

$\sim -\ln T$, $T > 0.3 \text{ K}$

"upturn", $T < 0.3 \text{ K}$

- $\Delta C/T \sim \text{const}$ below $T_F^*(B)$ at $B > 0$