

Supplementary material

First- and second-order phase transitions in RE_6Co_2Ga ($RE=Ho, Dy$ or Gd) cryogenic magnetocaloric materials

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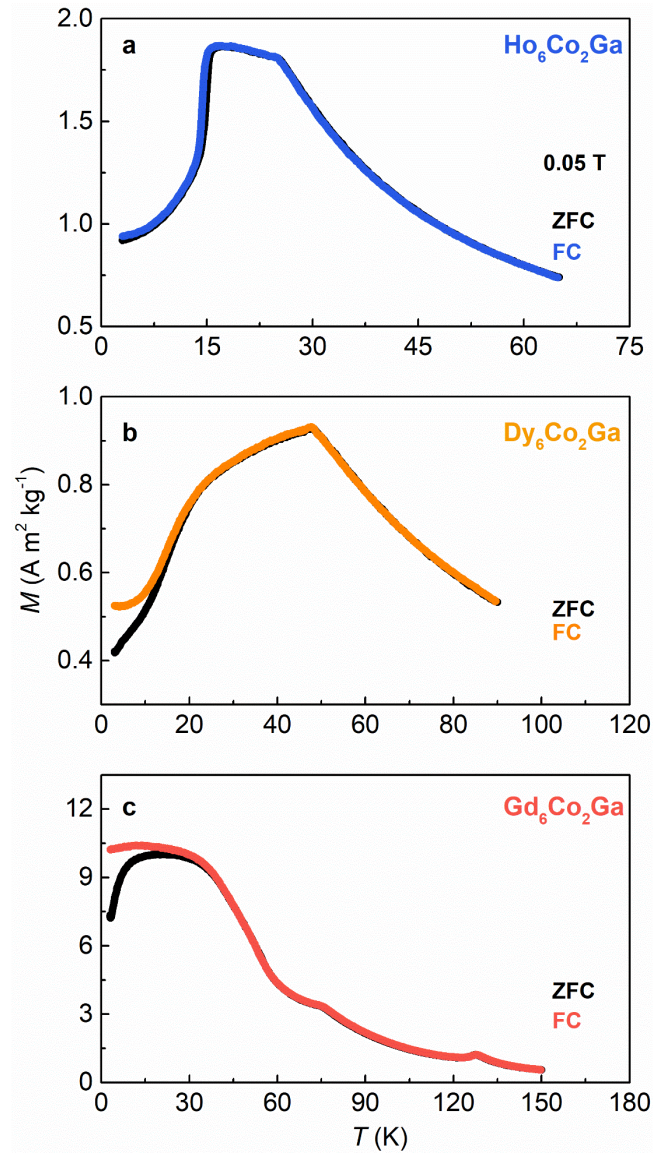


Fig. S1. FC and ZFC $M(T)$ curves under field of 0.05 T.

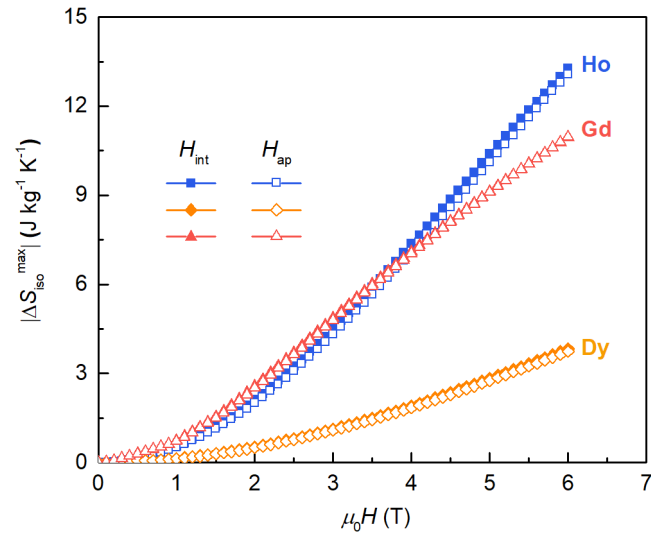


Fig. S2. Absolute $\Delta S_{\text{iso}}^{\text{max}}$ values as a function of the applied and internal magnetic field (H_{ap} and H_{int} , respectively) for $RE_6\text{Co}_2\text{Ga}$ compounds.

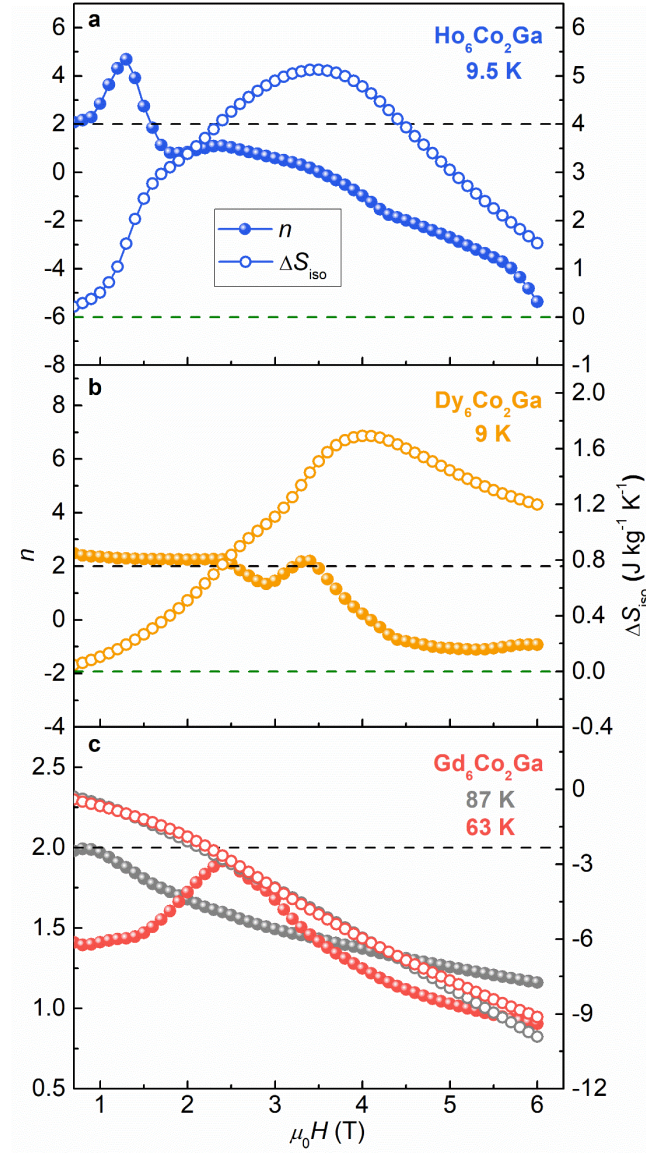


Fig. S3. Field dependence of n (left-axis) and ΔS_{iso} (right-axis) for $\text{Ho}_6\text{Co}_2\text{Ga}$ (a), $\text{Dy}_6\text{Co}_2\text{Ga}$ (b) and $\text{Gd}_6\text{Co}_2\text{Ga}$ (c) compounds.