

Supplementary information

Structural properties, magnetic interactions, magnetocaloric effect and critical behaviour of cobalt doped $\text{La}_{0.7}\text{Te}_{0.3}\text{MnO}_3$

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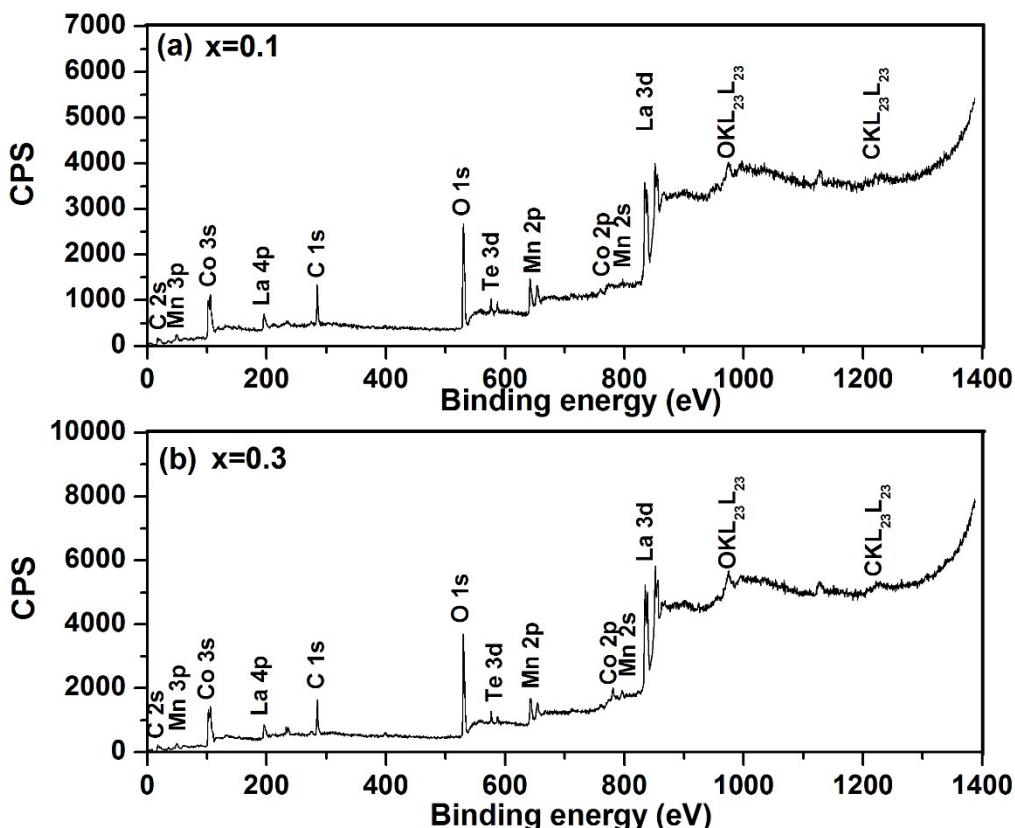


Fig. S1. XPS wide scan spectra of $\text{La}_{0.7}\text{Te}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ (a) $x=0.1$ and (b) $x=0.3$.

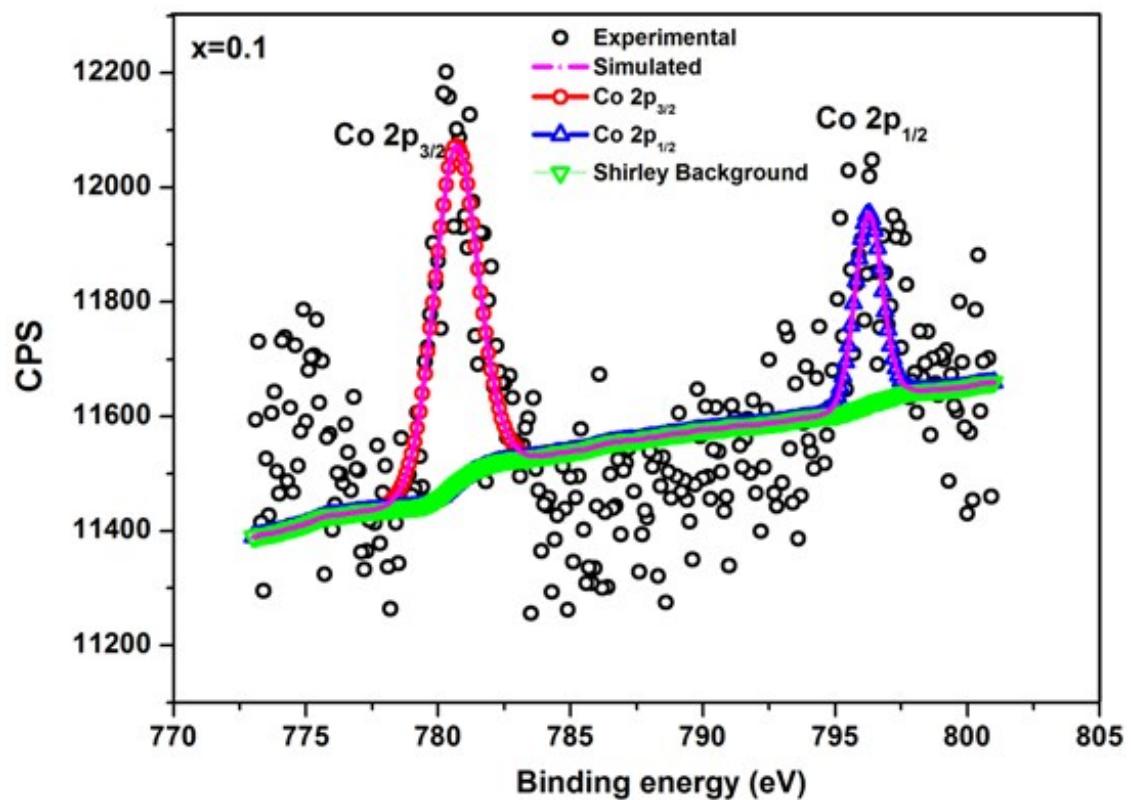


Fig. S2. Co 2p XPS spectra of $\text{La}_{0.7}\text{Te}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ for $x=0.1$.

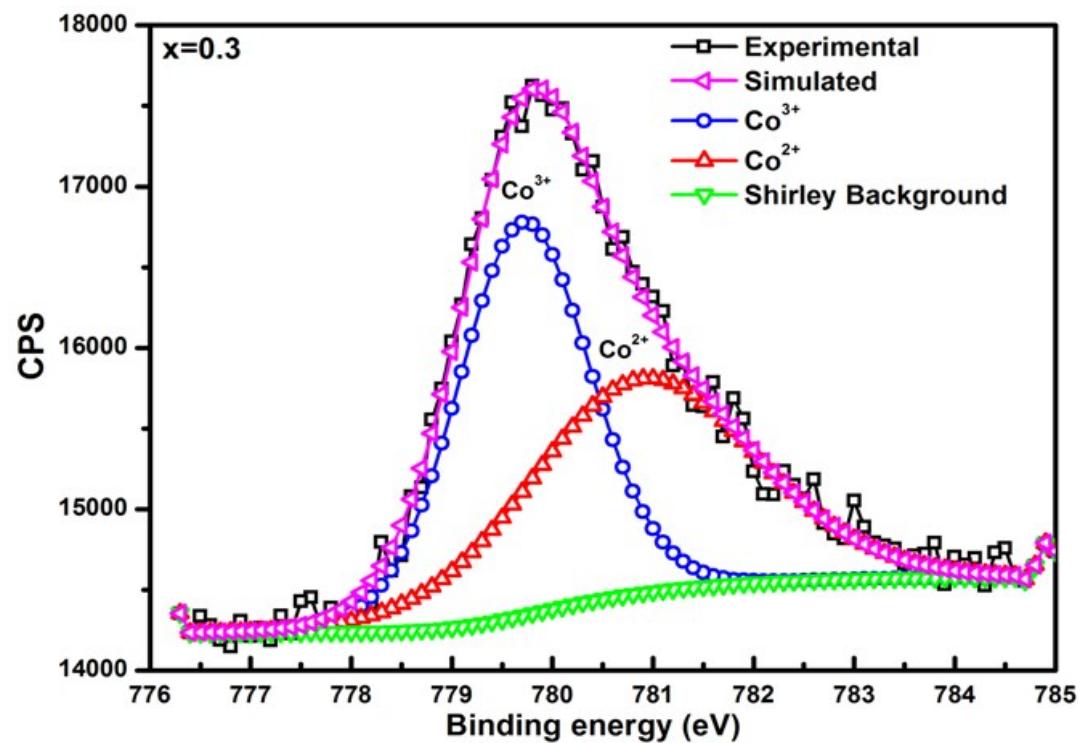


Fig. S3. $\text{Co } 2p_{3/2}$ XPS spectra of $\text{La}_{0.7}\text{Te}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ for $x=0.3$

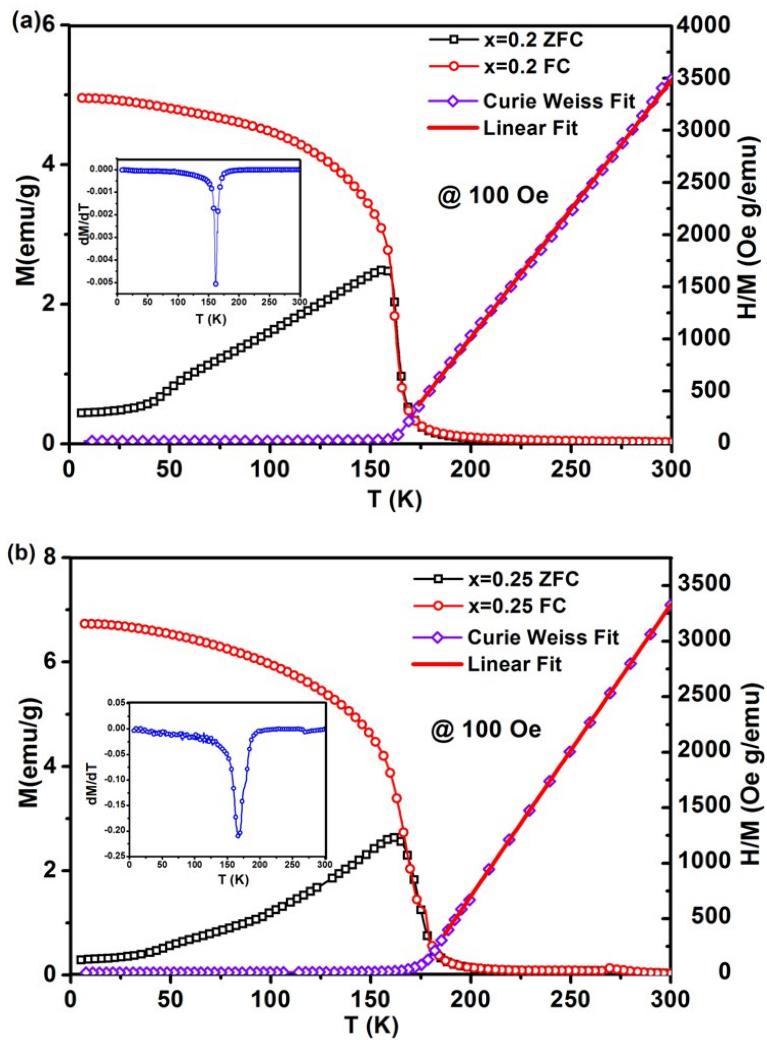


Fig. S4. Magnetization as a function of temperature for $\text{La}_{0.7}\text{Te}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ ($x=0.2$ and 0.25) measured at $H = 100$ Oe under the zero field-cooled (ZFC) and field-cooled (FC) modes.