



Supplementary

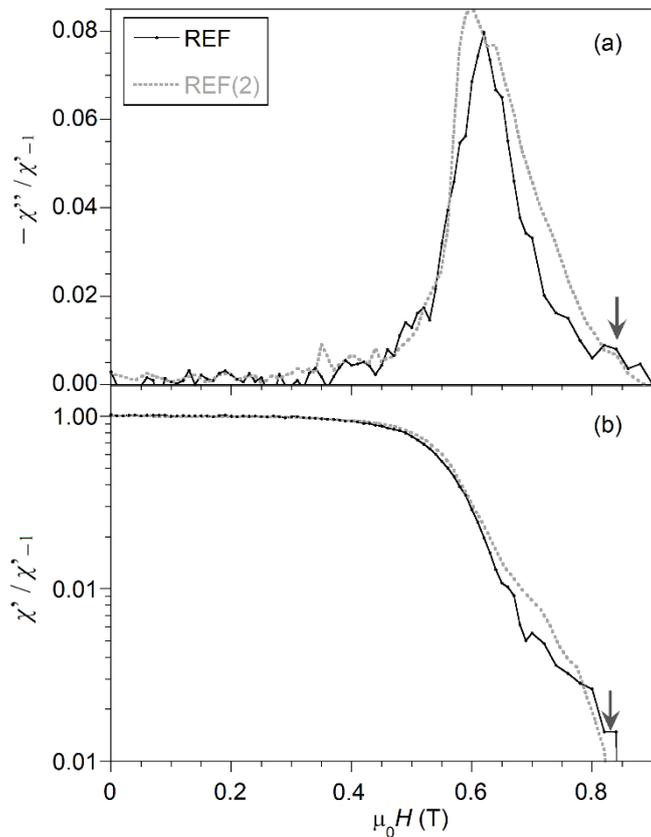


Figure S1. Comparison between $\chi(H)$ and $\chi'(H)$ curves of two different non-irradiated samples, REF and REF(2), nominally identical. Magnetic fields were applied parallel to the y -axis and the measurements were performed at 5 K, 10 Hz and $\mu_0 h_0 = 10 \mu\text{T}$ with descending fields from the initial field of 1.5 T. The arrows mark the $\mu_0 H_{c3}$ values.

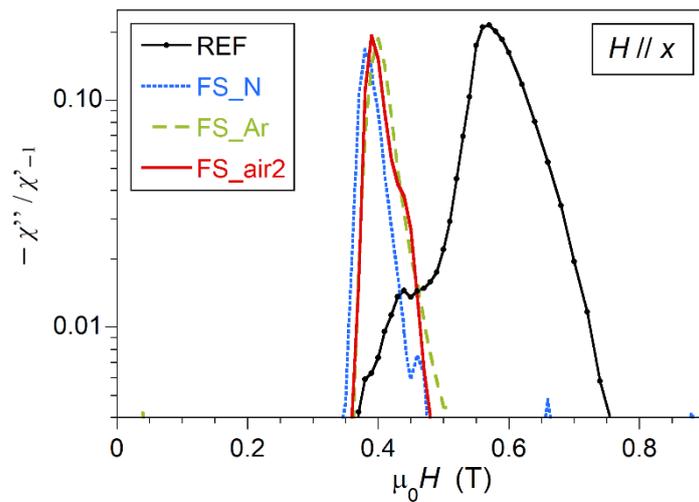


Figure S2. $\chi'(H)$ for different samples at 5 K, 10 Hz and $\mu_0 h_0 = 100 \mu\text{T}$, measured in descending DC fields from the initial magnetic field 1.5 T. AC and DC magnetic fields were applied parallel to the x -axis.