

Figure1. In phase susceptibility χ' and out of phase susceptibility χ'' measured at 3200Hz. DC field is turned off and the AC field amplitude is varied from 0.512mT to 0.204mT

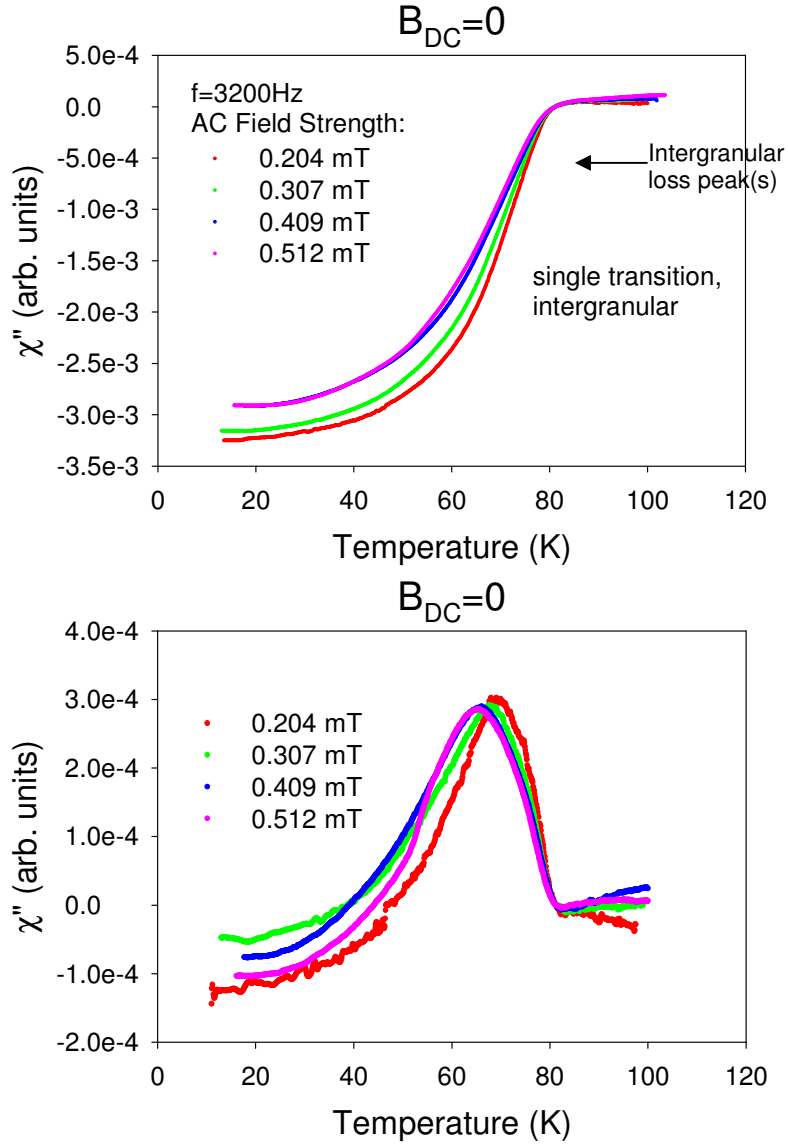


Figure2. AC Susceptibility measurements at 3200Hz. The DC field strength is fixed at 0.24 mT while B_{AC} is varied.

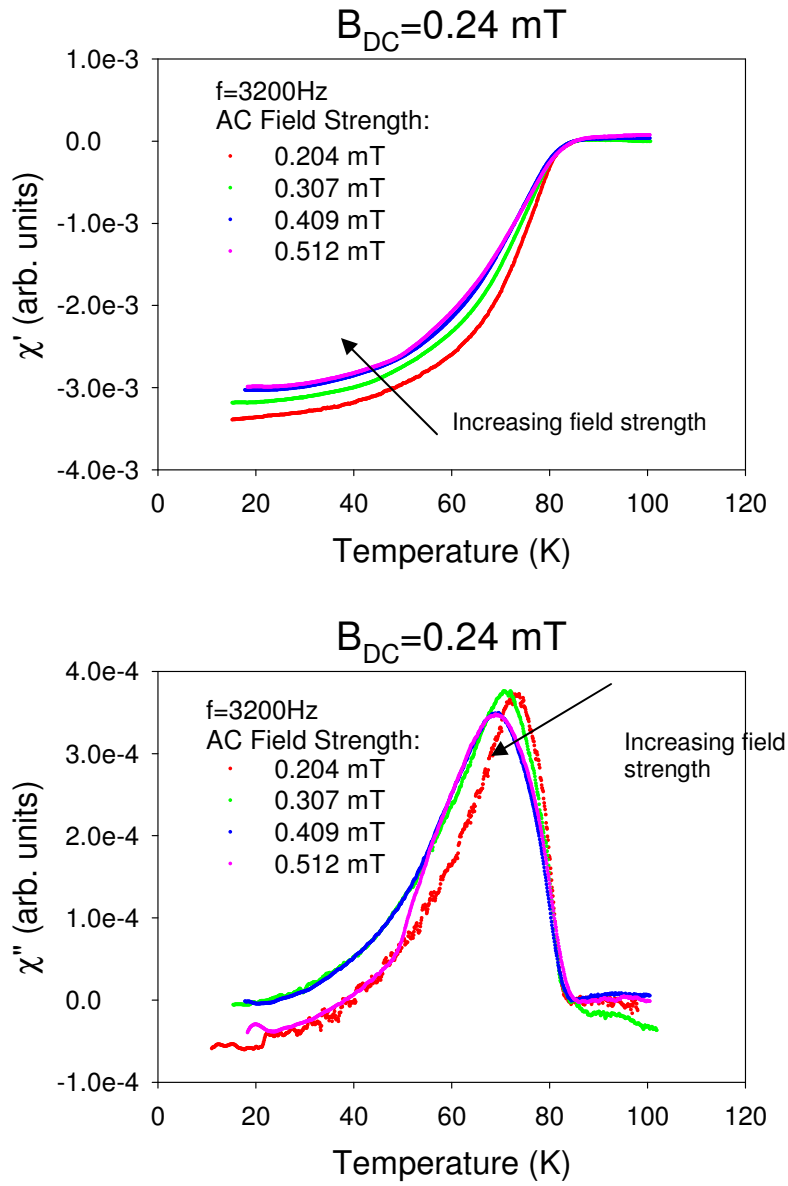


Figure3. AC Susceptibility measurements at 3200Hz. The DC field strength is fixed at 0.72 mT while B_{AC} is varied.

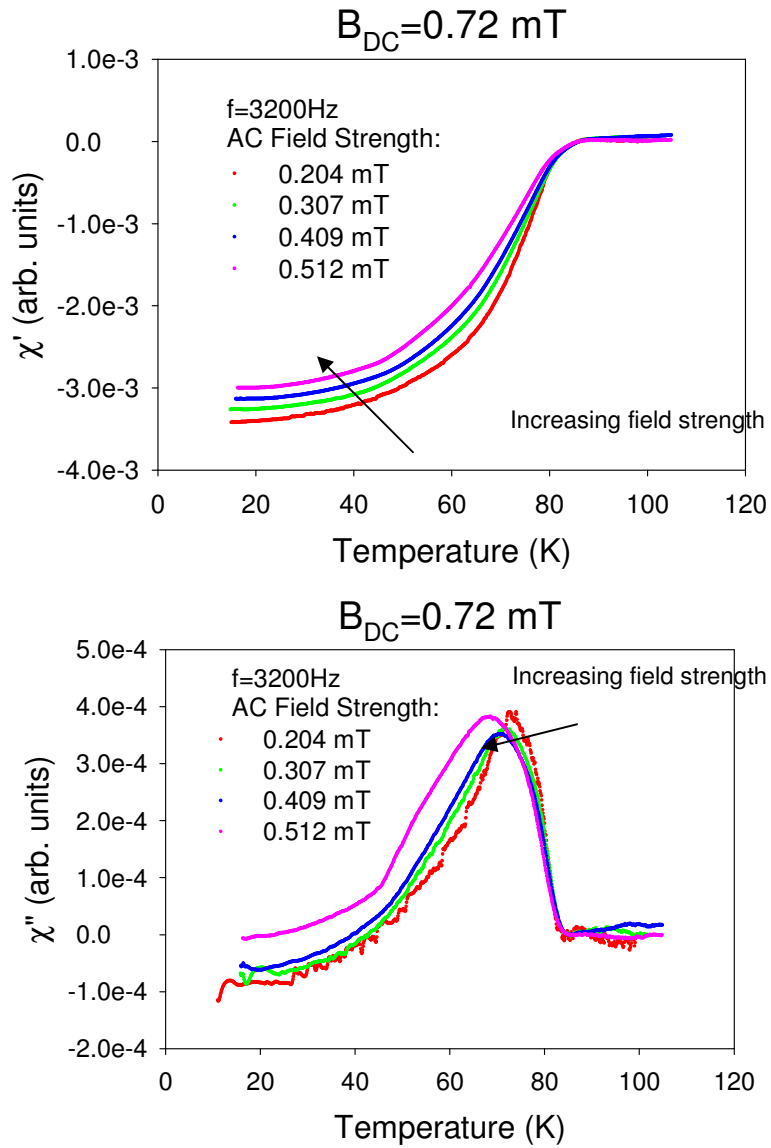


Figure4. AC Susceptibility measurements at 3200Hz. The DC field strength is fixed at 1.56 mT while B_{AC} is varied. The inset for χ' shows a closer inspection of the transition that appears at T_C . The first transition width broadens.

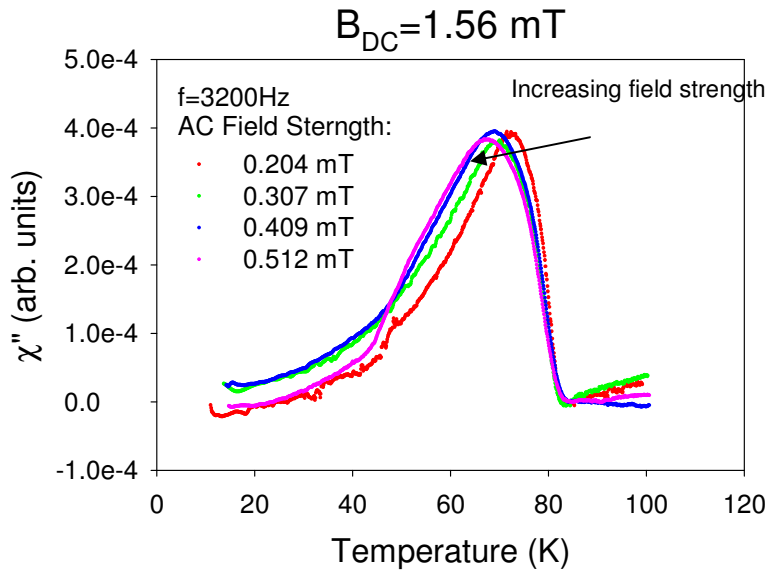
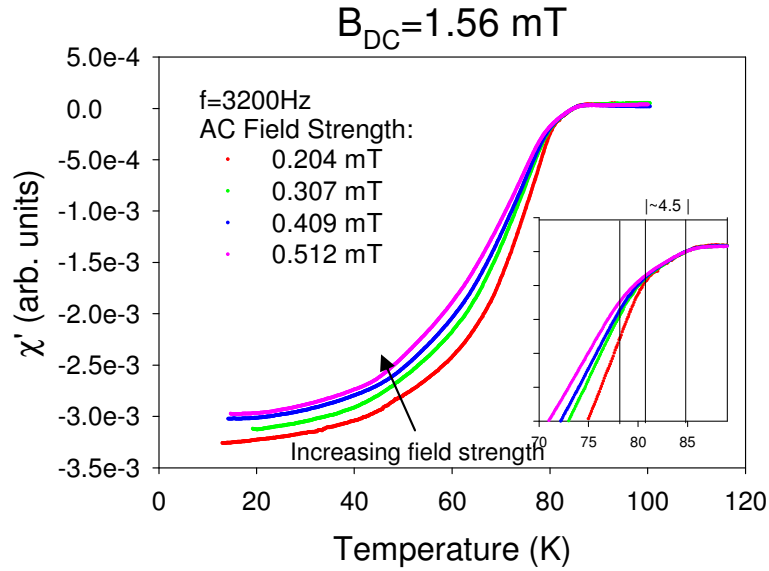


Figure 5. AC Susceptibility measurements at 3200 Hz. The DC field strength is fixed at 2.04 mT while B_{AC} is varied. The inset shows a closer look at the first transition appearing near T_C . The first transition width is approximately

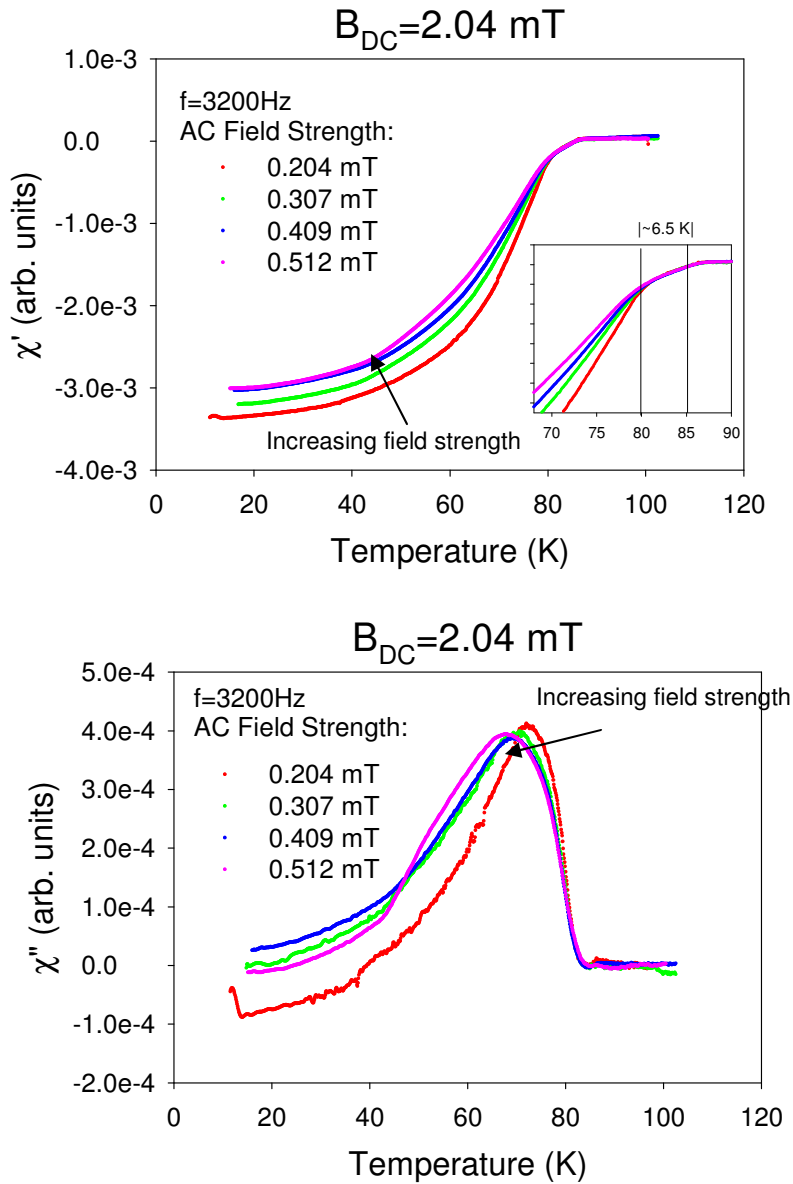


Figure6. AC Susceptibility measurements at 3200Hz. The AC field strength is fixed at 0.204 mT while B_{DC} is varied. The inset for χ' shows two transitions for all measurements with the DC field is turned on.

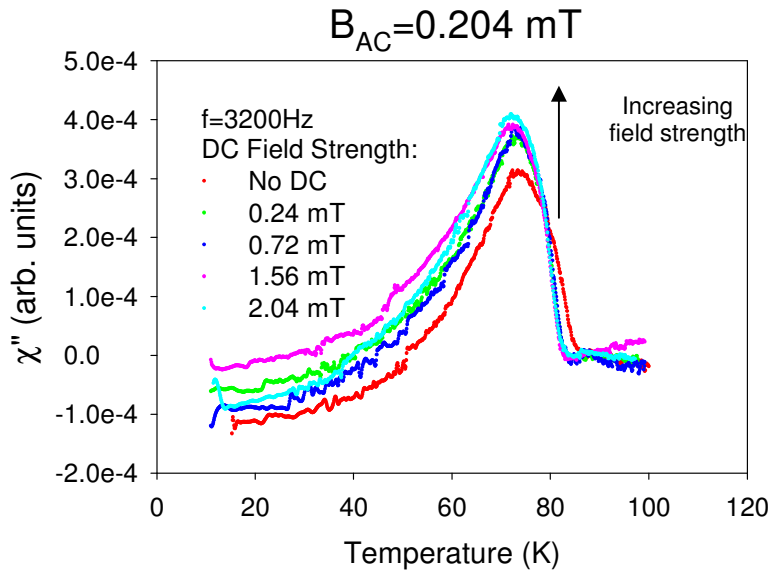
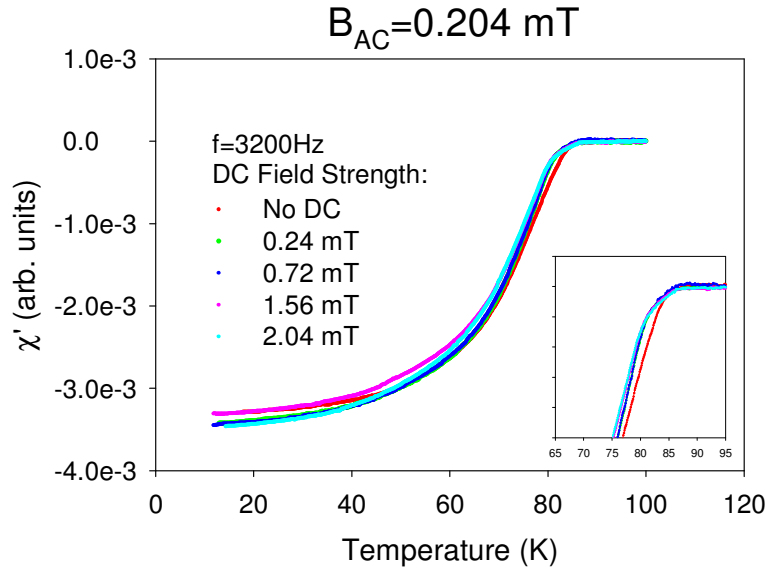


Figure7. AC Susceptibility measurements at 3200Hz. The AC field strength is fixed at 0.307 mT while B_{DC} is varied. The χ' curves at higher DC field shows slight signs of developing an intragranular transition.

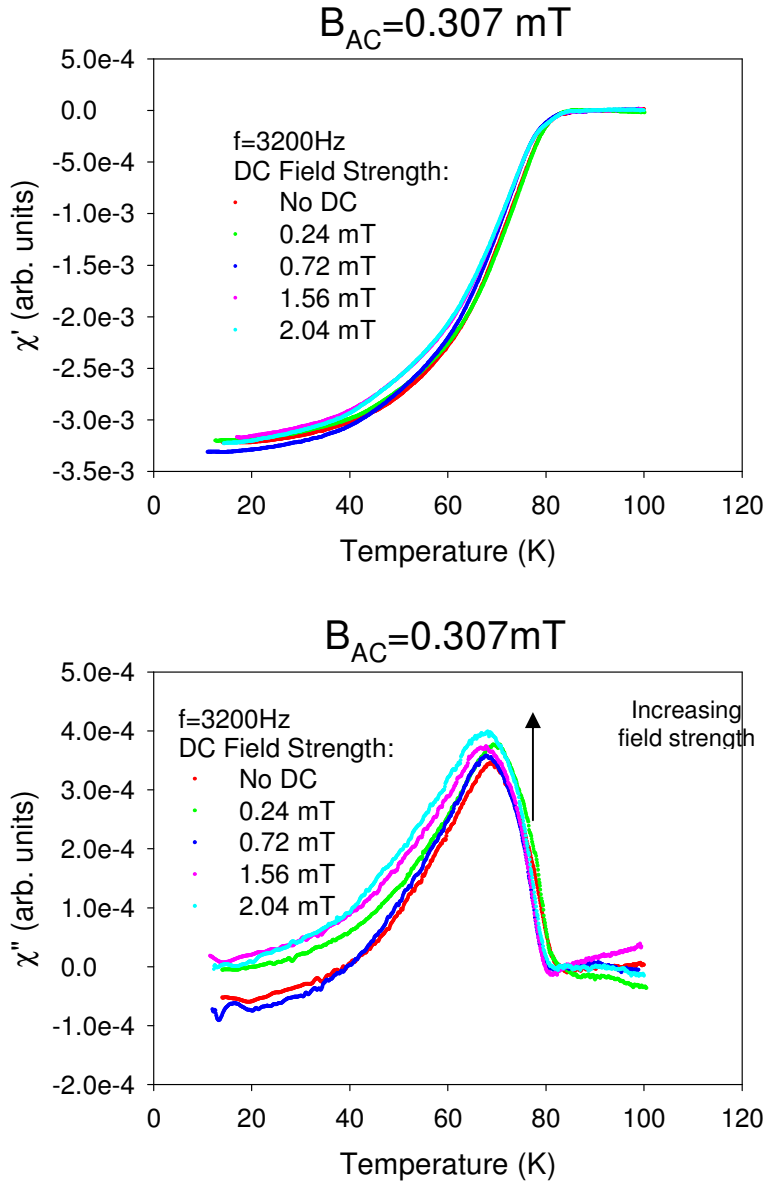


Figure8. AC Susceptibility measurements at 3200Hz. The AC field strength is fixed at 0.409 mT while B_{DC} is varied. The inset for χ' shows two transitions for susceptibility measurements obtained for $B_{DC} \geq 1.56$ mT

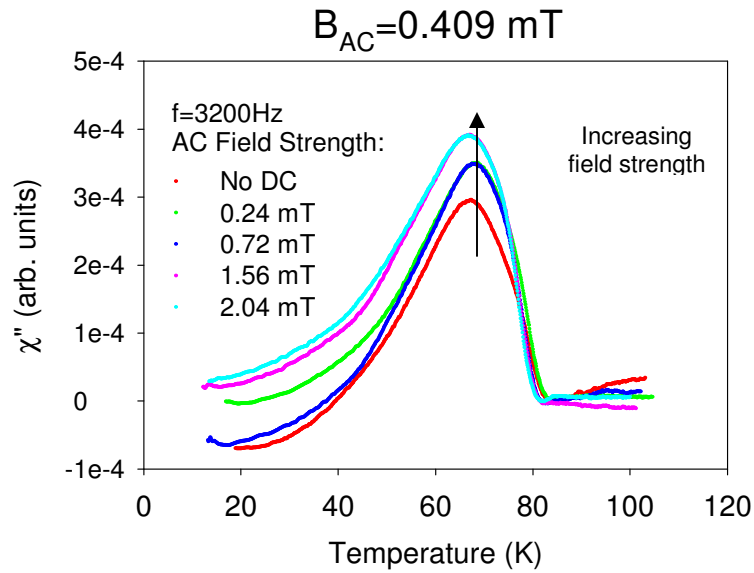
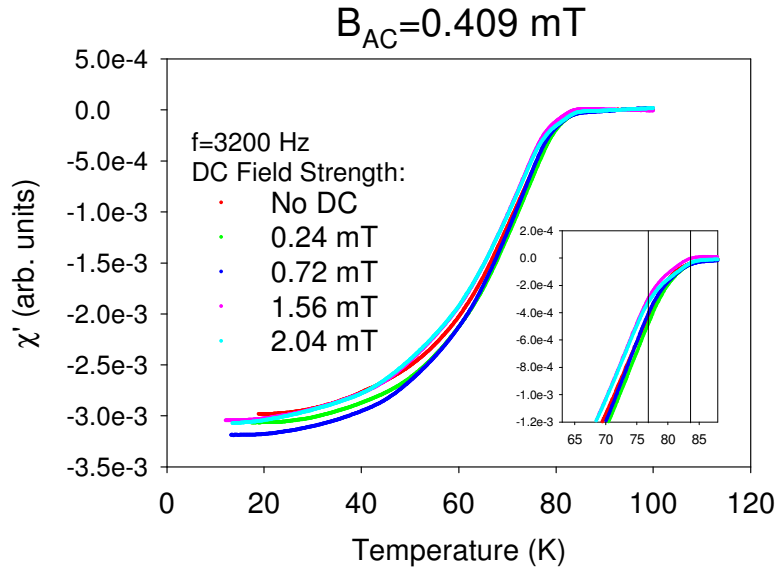


Figure9. AC Susceptibility measurements at 3200Hz. The AC field strength is fixed at 0.512 mT while B_{DC} is varied. The inset for χ' shows two transitions for measurements done at $B_{DC} \geq 0.72\text{mT}$.

