

Supplemental Material

Studying Electronic Structures of Pure  $\text{SrCoO}_x$  Thin Films, Ordered Phases, And Heterostructures

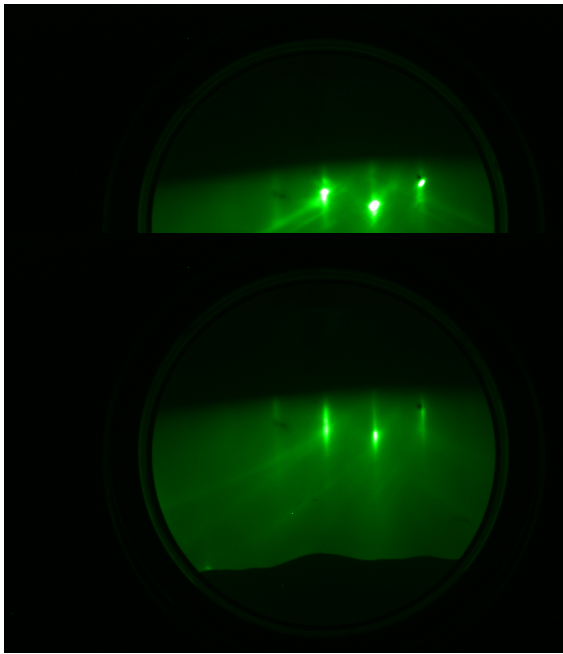


Fig 1:  $\text{LaAlO}_3$  (LAO) substrate before growth (top),  $\text{SrCoO}_x$  (SCO) film grown on LAO (bottom)

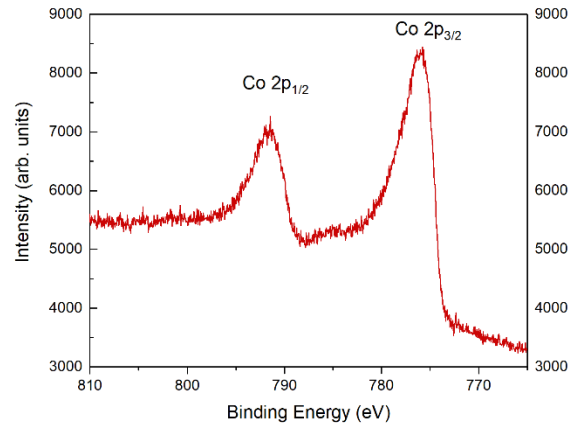


Fig 2: XPS spectra of Co 2p

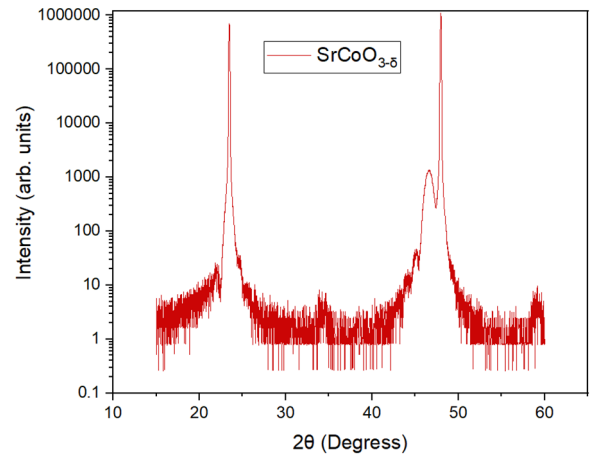


Fig 3: XRD analysis of SCO film grown on LAO