Pseudo-isotropic Upper Critical Field in Cobalt-doped $SrFe_2As_2$ Epitaxial Films

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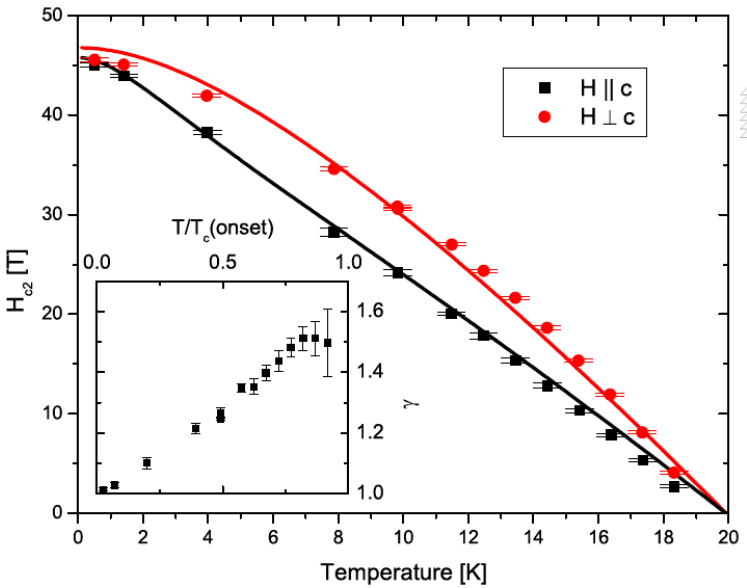

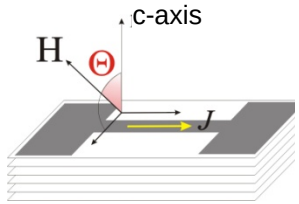

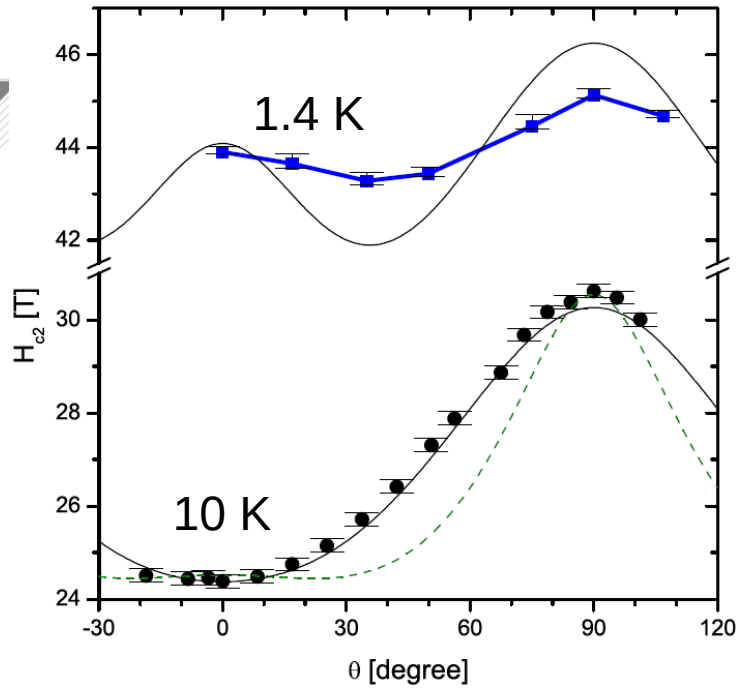

- Solid lines on both plots show a self-consistent fit using the dirty two-band model.
- The ratio, $\gamma = H_{c2}(H\|c) / H_{c2}(H\perp c)$ approaches 1 at 0 K.

- At 10 K, $H_{c2}(\theta)$ takes the single-band form.
- Fit indicates two bands with small, opposing anisotropy.
- Minimum near $\theta = 40°$ at 1.4 K confirms this unusual relationship.

$Sr(Co,Fe)_2As_2$ has a pseudo-isotropic upper critical field at low *T*.

Angular dependent transport in the 50 T pulsed magnet, NHMFL-LANL.

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