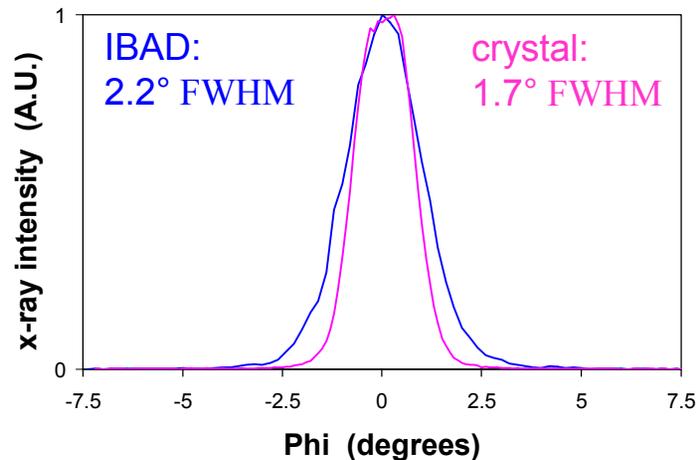


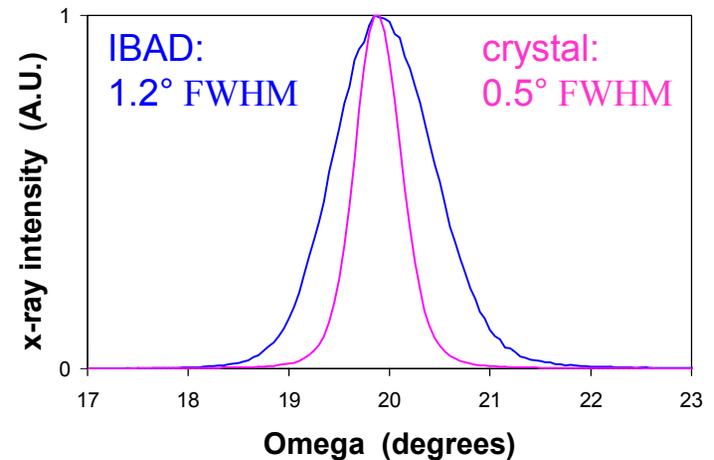
Texture: How good is good enough?

With **IBAD MgO** texture in the 5-7 ° FWHM range, YBCO texture is approaching that measured on **single crystal MgO**

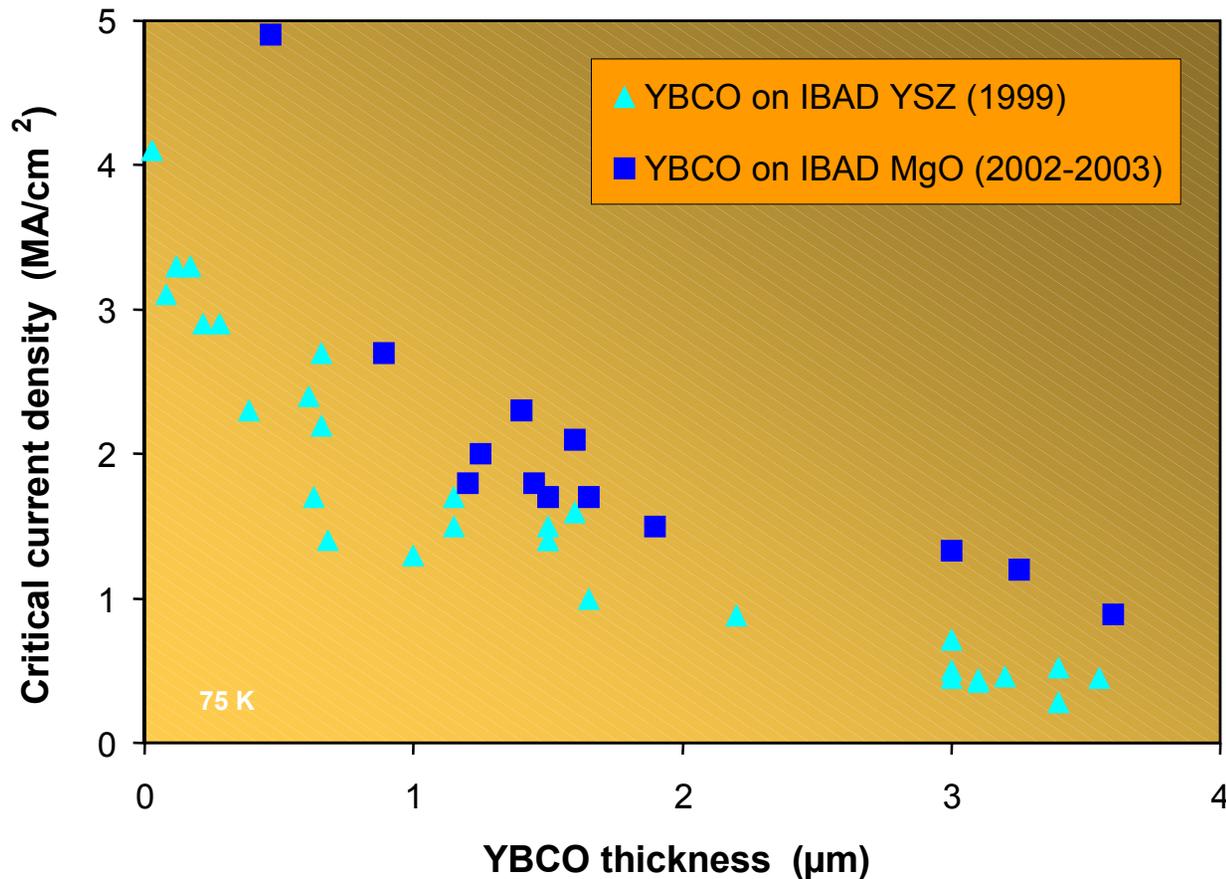
Phi-scan on YBCO (103)



Rocking curve on YBCO (005)



With IBAD MgO presently at $\sim 6^\circ$ FWHM in-plane, J_c values are higher than we have achieved in the past with IBAD YSZ ...



... and are essentially equivalent to those for single-crystal substrates

Average in-plane texture for YBCO on IBAD MgO samples: 2.7° FWHM

