

substrate by Pulsed

$\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ (Nd-123)

as the corresponding

COLLECTED

f data were taken for each sample:

Voltage vs temperature data

Gives T_c for the sample

High or low T_c roughly correspond to the quality of the sample

Voltage vs. current (V-I) plots are recorded at 75, 79, 81, 83, 85,

Shows the temperature dependence of I_c

At 77 K, V-I plots are recorded with magnetic fields of 200G, 5

Temperature Dependence of Critical Current for Four Grain Boundary Misalignments

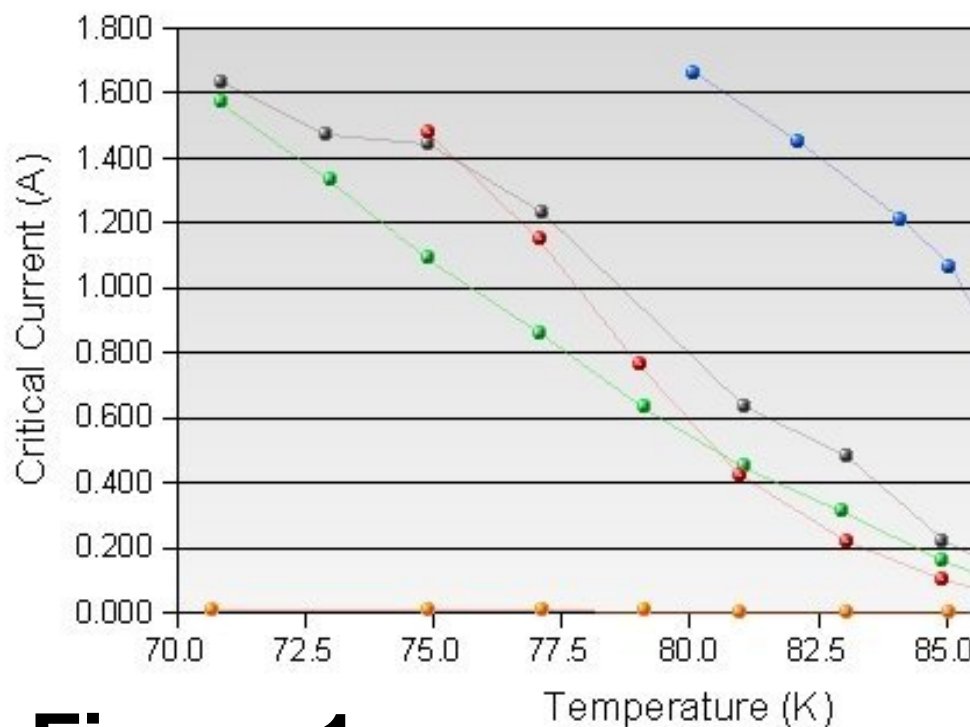


Figure 1

YBCO Sample W

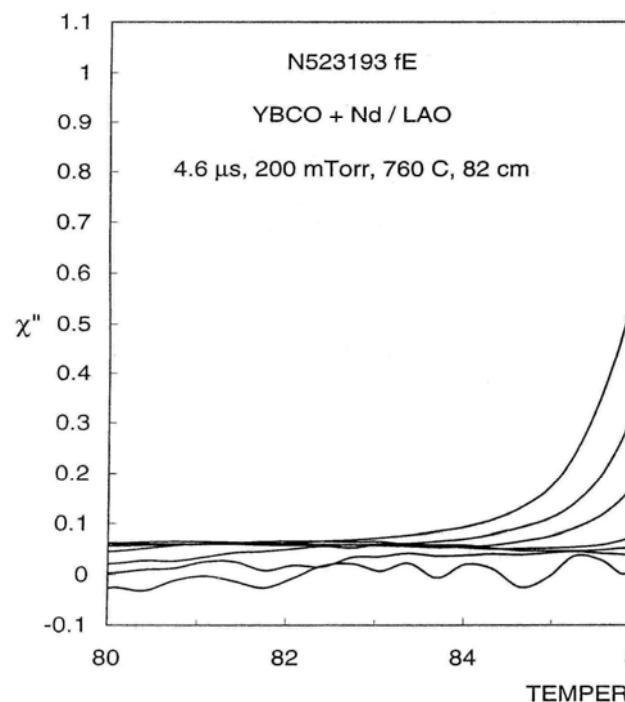


Figure 3