

compositions 1:2:3 and 2:2:3 of Y:Ba:Cu. The inverse a.c. Josephson effect⁴ in $Y_1 Ba_2 Cu_3 O_{9-y}$ sample indicated the persistence of superconducting weak links up to 230 K. This however was not reflected in resistance measurements. This particular phase presumably may have been stabilized in the presence of Sr and Ca.

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ANNOUNCEMENT

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