

Effect of pressure on the Néel temperature of $\text{Y}(\text{Mn}_{1-x}\text{Cu}_x)_2$. Resistivity of $\text{Y}(\text{Mn}_{1-x}\text{Cu}_x)_2$

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Abstract: Resistivity measurements have been carried out for $\text{Y}(\text{Mn}_{1-x}\text{Cu}_x)_2$ compounds with values of x of 0, 0.04, 0.07, 0.10, 0.20 and 0.30 in the temperature range from 4.2 up to 300 K at zero pressure and for YMn_2 under a pressure of 2 kbar. T_N has been found to decrease rapidly by applying external pressure as well as by applying a chemical pressure caused by a partial substitution of Mn atoms by Cu atoms. ?? 1992.

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