

Magnetic properties of RCu_2 ($\text{R} = \text{Dy}, \text{Ho}, \text{Er}$) and $\text{Dy}_x\text{Y}_{1-x}\text{Cu}_2$ compounds

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Abstract: The low field temperature dependence of the magnetization of some RCu_2 ($\text{R}=\text{Dy}, \text{Ho}, \text{Er}$) compounds has been measured under hydrostatic pressures up to 5 kbar. Apart from the antiferromagnetic-paramagnetic transitions additional transitions have been observed for HoCu_2 and ErCu_2 below their Néel temperatures. For the $\text{Dy}_x\text{Y}_{1-x}\text{Cu}_2$ compounds the dependence of the Néel temperature on the Y content has been determined. The results are discussed in the RKKY model. © 1983.

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