Spin reorientation in $Er_2Fe_{17-x}Mn_x$ - M??ssbauer effect study

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Abstract: The polycrystalline samples of $Er_2Fe_{17-x}Mn_x$ compounds have been studied by ^{57}Fe Mossbauer spectroscopy in the temperature range between 4.2K and 200K. A reorientation of the easy axis of magnetization has been evidenced for compound with x=4 in the measurements on magnetically oriented powdered sample. Spin reorientation from the c-axis to the basal plane is observed when temperature is increased above 105K. ?? 1988 J.C. Baltzer AG, Scientific Publishing Company.

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