SPIN REORIENTATION TRANSITIONS IN COBALT

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9.7 cm

We have studied the spin reorientation process in Cobalt using capacitance dilatometric measurements along the c- and a- axes of a single crystal. We find no evidence of critical behaviour at either of the temperatures at the beginning and end of this process. This suggests that the re-orientation process is a "single-site" phenomenon, involving only changes in the local environment of each moment, rather than a co-operative phenomenon.

13.4 cm

Subject category :

3. Transition Metals, Alloys and Compounds

Presentation mode :
oral

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