

Morin transition

Synonym: spin-flop transition

A transition specific to $\alpha\text{-Fe}_2\text{O}_3$ in which there is a change in the direction of the atomic magnetic moments in the antiferromagnetic state from parallel to perpendicular to the c -axis. Synonymous with spin-flop transition.

Source:

PAC, 1994, 66, 577 (*Definitions of terms relating to phase transitions of the solid state (IUPAC Recommendations 1994)*) on page 587