

Structural transitions in erbium manganite at high temperature

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Abstract

Paper is devoted to investigation of structural transitions in erbium manganite with hexagonal crystal structure by means of high temperature x-ray diffraction and thermal analysis. Transition $P6_3cm$ to $P6_3mmc$ is detected at 1040 °C. Diffraction data was analyzed by full-profile method, partial coordinates of atoms, bond lengths and angles are calculated.

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