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## The study of crystal and magnetic structure of MgFe<sub>2</sub>O<sub>4</sub> ferrite

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MgFe<sub>2</sub>O<sub>4</sub> ferrites have been synthesized using solid reaction method. Crystal and magnetic structure studied by in-situ High-Resolution Fourier Diffractometer at the various annealing temperature. MgFe<sub>2</sub>O<sub>4</sub> sample exhibits cubic (space group Fd3m), partly inverse spinel and ferromagnetic structure at room temperature and it were stable up to T = 753 K.

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**Session Classification:** Презентации участников