HIGH TEMPERATURE MAGNETIC PROPERTIES OF $(Sn_{1-x}Pb_x)_2P_2S_6$ CHALCOGENIDES

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In this contribution we present the results of study of high temperature magnetic properties (50 - 400 K) of the chalcogenides $(Sn_{1-x}Pb_x)_2P_2S_6$ where Pb content varies from 0 till 0.6. We have studied the Pb influence on the phase transition at about 335 K. Pb causes its shift towards to lower temperatures. Magnetic field till 3 T has no influence on this transition to ferroelectric state.

9.7 cm

13.4 cm

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