MAGNETIC AND MÖSSBAUER STUDIES OF $\mathbf{Bi_{m+1}Ti_{m-x-y}Fe_xX_yO_{3m+3}}$ (X= Sn, Nb)

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9.7 cm

We present the results of Mössbauer and magnetic studies of the polycrystalline compounds $Bi_{m+1}Ti_{m-x-y}Fe_xX_yO_{3m+3}$ (X= Sn, Nb) with perovskite-like layered- type structure , where m is a number of layers in a perovskite-like package. The negative values of θ indicate that these compounds have an antiferromagnetic type interactions. In wide temperature range the Mössbauer spectra show features characteristic for relaxation effects. This indicates the of existence spin fluctuations.

13.4 cm

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