

S1-2.4

Mössbauer Effect in ^{57}Fe -doped Gallium Antimonide

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The work offers for discussion the results of investigations of absorption spectra (gamma-ray nuclear resonance) of gallium antimonide doped with ^{57}Fe isotope in the concentration range of the atomic mass of 1 to 3 % , within the temperature range of 4.2 to 300 K, in the absence of an external magnetic field. Also, a model of the impurity center of iron in gallium antimonide is described.