Effect of gamma doses on the optical parameters of Se76Te15Sb9 thin films

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Abstract:

The dependence of the absorption coefficient on the photon energy was determined as a function of radiation dose for Se76Te15Sb9 thin films. The indirect optical energy gap was found to decrease from 1.257 to 0.664 with increasing the radiation dose from 10 to 250 krad. The dependence of the refractive index on the radiation dose has been discussed.

Keywords:

Thin films; Optical properties

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