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Alpha –Ray Irradiation Effect on Optical Properties for CoumarinDoped Polystyrene Polymer Films

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Abstract:In this work, the effect of the alpha irradiation on optical propertiesforCoumarindye doping different ratio in Polystyrene films has been studied. The absorption spectra increase with increasing doping ratio of dye solution and time of alpha irradiation, especially in doping ratio 60 ml.spectroscopy properties showed that the peaks to Coumarindye for all samples after irradiation refer which have evaluated and compared with other researchers.

Keywords:Spectroscopy properties,Coumarin, Polystyrene Polymer, Dye Doped Polymer Films, Effect of Alpha irradiation.

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