

FORMATION OF EXCITED PARTICLES  
UNDER ION BOMBARDMENT OF ORGANIC DYES

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S u m m a r y

We investigate the basic parameters of ion-photon emission under the bombardment of organic objects with an  $\text{Ar}^+$  ion beam. The spectral composition, quantum yield, and space distribution of radiation of knocked-out excited particles are determined. The obtained results are used to make a conclusion about the mechanism of formation of excited particles.