

**Track structure in polyethylene terephthalate irradiated by heavy ions:  
LET dependence of track diameter**

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*RADIATION MEASUREMENTS 31 (1999) 51-56*

The structure of latent tracks in polyethylene terephthalate is studied using chemical etching combined with a conductometric technique. Geometrical parameters of the latent tracks for the range of the electronic energy loss ( $dE/dx$ ) between 3 to 24 keV/nm are estimated. The dependence of the track core and track halo size on the energy loss is analyzed.