

Discussion of track structure models and efficiencies of luminescence dosimeters to HCP

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In this work we present a discussion on preliminary predictions of efficiencies to HCP using four different analytical track structure models: Chatterjee, Katz, Katz-Waligorski and Katz-Fageeha. The method used in this work consists of using an analytical track structure model convoluted with the dose response of the luminescence material.