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The Investigation of the Thermoluminescence Emission Bands of LiF:Mg,Ti (TLD-100) by a Simple Developed Model

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order to demonstrate the success of the developed model, the emission spectra of dosimetric material LiF:Mg,Ti (TLD-100) was also measured. Then, a computerised best-fit program including the developed model was used to analyse the emission spectra. The number of individual bands and their kinetic parameters were also obtained by this program. Two emission bands were observed for all glow peaks with peak energies at around 3.0 eV and 2.75 eV.

Key Words: Thermoluminescence, LiF.Mg,Ti, TLD-100, Emission Band

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