

A Study of Variation of Track Registration Properties of Cr-39 with Humidity

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Solid state Nuclear track detection techniques can be successfully applied in many areas in nuclear science. Radiation dosimetry, Uranium exploration and earth quake prediction are some examples.

CR-39 is a solid state Nuclear track detector which is widely being used in Randon measurements in different environmental conditions. The main aim of this study was to study the effect of humidity on alpha track registration properties of CR-39. Environments of different Relative Humidities were created using saturated chemical solutions.