



Radiation Doses by External Natural Sources to the Population of Gjirokaster City, Albania

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Abstract: In the present study is carried out an estimation of radiation dose to the population of Gjirokaster city, caused by external natural sources. For this purpose were undertaken two independent ways of measurements. The first way consisted in the measurements of equivalent dose rate through a scintillation NaI detector instrument in the living environment like dwellings, schools and kinder gardens. The second ones was carried out through thermoluminescent dosimeter, which were put in the same places of measurements during a period of three months. The results for the equivalent dose given by two mentioned methods were 0.63 mSv and 0.67 mSv with a coefficient of variation less than 15%.

Keywords: *Radiation dose, natural sources, NaI, thermoluminescent detector.*

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