

The soil effect for environmental radiation

*Shuya Yamaki^{1,2}, *Masato Ono^{1,2}, *Shun Suto^{1,2}

1. Rifu Observation group of Environmental Radiation, 2. Miyagi Rifu high school

We have continued year-long term observation for the environmental radiation especially γ -ray. Indeed, the seasonal change and climate dependency have been observed. However, the intensity of radiation were much various among the soil variation.

We measured them from the foiled soil by the scintillation counter and geiger counter, the duration were each 30 seconds.

We found the soils have never Shielding effects, but have radioactive varieties amond Granite ,Vermiculite, Bentonite and ashed soils. Humidity in the soils have some effects, but not snow-covered soils.

Keywords: Humidity of soil, Environmental radiation, Radioactive soil

