

Monitoring of crustal activity by gamma ray measurements on the ground

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By the use of the RE-100 scintillation counter, which enables to continuously record the two bands in the gamma ray spectrum, we have conducted measurements at the place close to the ground surface to monitor the radon emission as an indicator of crustal activity. During the recent two years, repeated continuous observations at a station and mobile observations on an automobile or a train disclose a burst-like emission of radon, its temporal fluctuations and regional variations in the average intensity of radon emission.