Contribution ID: **93**   Type: **Software programming (Java, 3D modelling, LabView, SCADA WinCC etc.)**

Data aquisition from spectrometry and dosimetry systems using LabView environment

During one month of work we focused on completing two main tasks. One of them was to modify existing software programs for three types of detectors: SiPM spectrometer, Geiger- Mueller counter and Gamma-Scout dosimeters. All the programming was done in LabView graphical development environment. Our second assignment was to measure radiation intensity in three different surroundings: inside the rack, inside the building and outside the building. The aim was to measure the background radiation which would be needed for correct interpretation of data aquired during NICA experiment. We used dosimeters connected to computers by USB interface. All data was compared and statistically analysed. Except that, we connected all dosimeters to Ethernet to extend range of future measurements.

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