

Environmental Radioactivity Laboratory of iThemba LABS

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The Environmental Radioactivity Laboratory of iThemba LABS, in the Department of Subatomic Physics has been using radiation detectors for measurements of anthropogenic (man-made) and natural radionuclides present in our environment. The radiation detectors consist of a laboratory-based HPGe detector, field-based MEDUSA detector systems and a flexible radon monitor, RAD7. To assist in the testing and calibrations of the detectors, various Monte Carlo (MC) codes are also being used to optimise the experimental data with the calculations. To date, various users have used the facilities to count and analyze their samples. For this contribution, current activities and future plans of the facility will be discussed.

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