

T3.2-P09. Cosmic Muon Veto project UPDATE

Cosmic Muon Veto Systems (CMVS) are used for suppression of the signals produced by HPGe detectors as effect of the interaction of cosmic radiation with the lead shielding of the detector. A customized CMVS has been installed at the VIP00 test station of CTBTO Headquarter in Vienna, with the scope to assess the impact of electromagnetic particles showers produced by the interaction of cosmic muons with the lead shielding and potential improvements in the sensitivity of the particulate systems operating at Radionuclide Stations of the International Monitoring System (IMS) of the CTBTO – with special focus on stations installed at high altitudes or in places subject to intense cosmic radiation. The poster presents system's design, data acquisition modes and analysis and also describes the potential use of the CMVS for onsite re-measurements of samples of interests at remote IMS Radionuclide Stations.

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