Measurement of the Neutron Travel Time Distribution Inside a Neutron Monitor

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LIVE > ROOM 4 Discussion 04 Discussion 04	Porum-1-Evening-Air-Categories/AirAstract.Using a setup for testing a prototype for a satelike-borne cosmic-ray ion detector; we have operated a stack of scintillator and silicon detectors on top of the Princess Skindhorn Neutron Monitor (PSNM), an 18-counter NM64 detector at 2560-m altitude at Doi Inthanon, Thailand. Monte Carlo simulations have indicated that about 15% of the neutron counts by PSNM are due to interactions (mostly in the lead producer) of GeV-range protons