
Cosmic-Ray Detection System For Education

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We present a cosmic-ray detection system which consists of three pairs of scintillator and photo-multiplier, three coincident signal processing boards, and a control board. The data output comprises three counter displays, three arrow LED displays for the direction, and a standard USB interface for further data processing. There are two operating modes: one is manual mode and the other computer mode based on the internet. We tested the distribution and the transmission of cosmic-ray in the air and the shield material with the cosmic-ray detector. This cosmic-ray detection system can be used for an education or demonstration purpose in university.