



MEETING OF THE AMERICAN PHYSICAL SOCIETY DIVISION OF PARTICLES AND FIELDS

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CosmicWatch: the Desktop Muon Detector

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The CosmicWatch Desktop Muon Detectors were designed as an outreach tool to promote particle physics to undergraduates and high-school students. The detectors are pocket-sized, self-contained, light-weight (~100g), and require a very small amount of power (sub-Watt). The data can be read-out through a USB serial connection or saved locally to an SD-card. We've been working with students at various universities and high-schools through-out the world and have found that a single detector can be built by a new student in under a few hours for approximately \$100.

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