



Detected 1.5 million cosmic ray muon pulses in 3 scintillator detectors at the Queensborough Community College Physics Department, a QuarkNet Center in Bayside, New York on November 1st, 2016

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QuarkNet Detector

Scintillator:
Eljen-200,
PVT with organic fluors,
Light output 64% Anthracene,
λ max emission 425 nm,
rise time 0.9ns,
decay time 2.1 ns,
pulse width 2.5nm FWHM.

Photomultiplier tubes: Sens-Tech P30CW5, λ max response 350 nm output pulse rise time 4.5ns, 7 FWHM

DAQ Board series 6000





