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Cosmic Neutrino Detection from the International Space Station

Quite recently the IceCube Collaboration has reported clear evidence for neutrinos of cosmic origin. Here we ask whether the proposed first generation of space-based cosmic ray detectors will be sensitive to the cosmic neutrino flux. We consider proposed scenarios for ultra-high energy cosmic ray detectors to be deployed aboard the International Space Station and estimate the expected rates for cosmic neutrino detection over different energy regimes.

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