

Prototype Silicon Air Cerenkov Detector

David Kieda , Thomas Stoksus

University of Utah, Dept. of Physics, 201 JFB Salt Lake City, UT 84112

Abstract

We have constructed a prototype Air Cerenkov detector for use in observing cosmic rays with energies above 10^{19} eV. The detector uses a number of silicon light detection elements to observe the entire night sky. Lab tests have been performed to examine the light intensity and angular resolution characteristics. In this talk we present results from these tests.