

# Particle Detectors

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Reference on particle detectors for graduate students and researchers in particle physics. The scope of the detection techniques in particle detectors is very wide, depending on the aim of the measurement. Detectors cover the measurement of energies from the very low to the highest of energies observed in cosmic rays. Describing the instrumentation for experiments in high energy physics and astroparticle physics, this edition describes track detectors, calorimeters, particle identification, neutrino detectors, momentum measurement, electronics, and data analysis. It also discusses applications of these detectors in other fields such as nuclear medicine, radiation protection and environmental science. Problem sets have been added to each chapter and additional instructive material has been provided, making this an excellent reference for graduate students and researchers in particle physics. EAN/ISBN : 9780511380037 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Grupen, Claus - Shwartz, Boris

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