# ACCURACY OF COORDINATE DETERMINATION OF HIGH-ENERGY CHARGED PARTICLES BY SILICON STRIP DETECTORS

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The coordinate determination accuracy of minimum ionizing and short–range particles by silicon strip detector has been considered. The charge collection on neighboring strips of detector is studied and the influence of diffusion and the electric field distribution on accuracy are analyzed. It has been shown that coordinates both minimum ionizing and short–range particles can be determined with an accuracy to a few microns using silicon strip detectors.