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Characteristics of semiconductor tagging system for stopped pions

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In a wide class of accelerator experiments with charged particles, an important task is to determine the coordinates of their stops. In this paper, a method for determining the stops of pions and muons based on the use of semiconductor detectors (PCDs) has been proposed and experimentally tested. Based on the performed measurements, dependence has been obtained that allows determining the stopping point of the pion in the tagging system. These results can be used to optimize the thickness of monitor detectors.

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