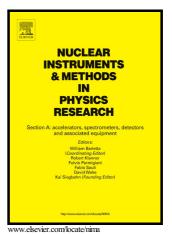
# Author's Accepted Manuscript

Detection of charged particles with a methylammonium lead tribromide perovskite single crystal

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## **ACCEPTED MANUSCRIPT**

# Detection of charged particles with a methylammonium lead tribromide perovskite single crystal

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#### Abstract

Methylammonium lead tribromide (MAPbBr<sub>3</sub>) perovskite crystals have attracted significant attention due to their attractive performance in various optoelectronic applications such as solar cells, light-emitting devices, photodetectors, and recently in X-ray detectors. In this study, we demonstrate a possible use of perovskite-based devices for

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