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Instrumentation of Position Sensitive Photomultiplier Tubes Hamamatsu H8500

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Abstract content

Summary

Position Sensitive photomultiplier tubes convert scintillation light into a high gain current signal localized to group of anode segments. The current signals distribution contains important information regarding the energy, timing, and location of High Energy Ray Cosmic interactions. In this work we use a flat panel PS-PMT (Hamamatsu H8500) for imaging. We describe the no-uniformity of PS-PMT H500, the Discretized Positional Circuit (DPC) and the Target Data Acquisition building in FCFM-BUAP. This electronic can be use in detections of cosmic rays or applications in medical physics, for example.

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