Aug. 13, 2018

Dear Editor,

I am writing to submit our manuscript entitled, “Characteristics of fast timing MCP-PMTs in magnetic fields”, as a full-length article for consideration of publication in NIMA.

In this paper, we report on tests in magnetic fields of 85 two 6 × 6 cm2 MCP-PMTs based on different designs, as produced in the Argonne fabrication facility. We describe the different designs, the magnetic field tolerance measurement setup, experimental results and discussions on the significantly improved magnetic field tolerance with design improvement. This manuscript describes original work and is not under consideration by any other journal.

Thank you in advance for receiving our manuscript and considering it for review. We appreciate your time and look forward to your response.

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