

Abstract Submitted  
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**Searching for Solar Axions using the MAJORANA DEMONSTRATOR**<sup>1</sup> CHRISTOPHER O'SHAUGHNESSY, Univ of NC - Chapel Hill, MAJORANA COLLABORATION — The choice of P-Type Point Contact (PPC) detectors for the MAJORANA DEMONSTRATOR (MJD) was driven by the high energy resolution and superb pulse shape analysis capability of this technology. Due to its low-capacitance this technology also boasts good energy resolution even at low energy, at the keV scale or better. This opens up an ensemble of searches for new physics that can be pursued in parallel with the main goals of searching for neutrinoless double beta decay. Here I will discuss the efforts toward measuring crystal axes in the as-built detector units of MJD to improve sensitivity to the detection of solar axions.

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