

Abstract Submitted  
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**Characterization of the KATRIN detector section**<sup>1</sup> BRANDON WALL, CENPA, Dept. of Physics, University of Washington, KATRIN COLLABORATION — The **K**arlsruhe **T**ritium **N**eutrino (KATRIN) experiment's goal is to measure the end point shape of the tritium beta decay spectrum and attain a mass sensitivity of 200 meV. KATRIN is located at the Karlsruhe Institute of Technology in Karlsruhe, Germany. There are three main sections: a tritium source, spectrometers, and a detector section. The detector section is the primary US contribution to the experiment. A short review of the KATRIN experiment's detector section and results from its characterization will be presented. I will discuss the performance of the focal plane detector (a monolithic silicon PIN diode array), calibration tools, and the detector back ground rate.

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Brandon Wall  
CENPA, Dept. of Physics, University of Washington

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