

Abstract Submitted  
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**Detector set-up for measuring the e-nu correlation in He-6 beta decay** YELENA BAGDASAROVA, ALEJANDRO GARCIA, University of Washington, KEVIN BAILEY, Argonne National Lab, XAVIER FLECHARD, LPC, CAEN, France, RAN HONG, University of Washington, ANDREAS KNECHT, CERN, ETIENNE LIENNARD, LPC, CAEN, France, PETER MUELLER, Argonne National Lab, OSCAR NAVILIAT-CUNCIC, Michigan State University, TOM O'CONNOR, Argonne National Lab, DEREK STORM, ERIK SWANSON, FREDERIK WAUTERS, University of Washington, WILL WILLIAMS, Argonne National Lab, DAVID ZUMWALT, University of Washington — Our experiment aims to extract the  $e - \bar{\nu}_e$  angular correlation by measuring the momenta of the betas and the TOF of the  ${}^6\text{Li}$  recoil ions in the decay of  ${}^6\text{He}$ . In my talk, I will provide an overview of the detectors within our trapping volume, including the electric field system used to guide the recoil ions toward the microchannel plate + delay line detector. Using example data and simulation, I will discuss some of the high voltage application issues that arose during testing and how we remedied them.

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