

Abstract Submitted  
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**Status of the KATRIN neutrino mass experiment**<sup>1</sup> ERIC MARTIN,  
Univ of Washington, KATRIN COLLABORATION — The upcoming Karlsruhe  
Tritium Neutrino (KATRIN) experiment aims to explore neutrino mass down to  $0.2$   
 $\text{eV}/c^2$  (90% CL) by measuring the shape of the tritium beta decay spectrum. Using  
magnetic adiabatic collimation with an electrostatic filter (MAC-E filter) KATRIN  
will measure the electron kinetic energy spectrum with a resolution better than one  
part in  $10^4$ . All major components are on site and commissioning is underway, with  
first tritium data currently scheduled for 2017. The measurement technique will be  
explained along with an update on commissioning progress.

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