

Abstract Submitted  
for the DNP20 Meeting of  
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**Systematic Effects in the aCORN Experiment**<sup>1</sup> FRED WIET-  
FELDT, Tulane Univ, ACORN COLLABORATION — The aCORN experiment  
measures the neutron decay  $a$ -coefficient. Important systematic effects from the  
aCORN NG-C run will be discussed. These include transverse magnetic and elec-  
tric fields, electron backscatter, proton scattering and focusing, collimator alignment,  
residual gas interactions, and neutron polarization.

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