

Abstract Submitted  
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**Progress Towards A 60 kg Bubble Chamber for Dark Matter  
Detection** ANDREW SONNENSCHNEIN, Fermilab, COUPP COLLABORATION  
— The COUPP collaboration has been investigating the use of bubble chambers  
for direct detection of dark matter. Our progress in developing a stable 2 kg CF<sub>3</sub>I  
bubble chamber with long superheated life time has led us to start construction on a  
significantly larger detector with a sensitive mass of 60 kg. I will give an overview of  
the challenges in engineering this detector and discuss the status of its construction.

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