

Abstract Submitted  
for the MAR08 Meeting of  
The American Physical Society

**Single Crystal Growth and Characterization of Quasi 1-D,  
Magnon BEC Candidate  $\text{Pb}_2\text{V}_3\text{O}_9$**  BENJAMIN CONNER, NHMFL/FSU,  
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ICAS, YOUN-JUNG JO, NHMFL — Recent success in the floating zone growth of  
single crystal  $\text{Pb}_2\text{V}_3\text{O}_9$  will be highlighted.  $\text{Pb}_2\text{V}_3\text{O}_9$  has been studied as part of  
the class of antiferromagnetic 1D spin 1/2 dimer compounds that are believed to  
be driven through a phase transition to a BEC state with applied magnetic field.  
Magnetic susceptibility and specific heat measurements will be discussed.

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Date submitted: 26 Nov 2007

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