

Abstract Submitted  
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**Some magnetic and electronic properties of Vanadium (hole) doped NaFeAs** SCOTT CARR, University of Tennessee, Knoxville — We examine the magnetic properties of the hole doped system  $V_x\text{Na}_{1-x}\text{FeAs}$ . It's known that the Na111 system exhibits structural, magnetic, and superconducting phase transitions. As opposed to the better studied electron doped systems, we successfully grew homogeneous single crystals with holes doped into the iron sites. Preliminary results show a total suppression of the superconducting phase and partial suppression of the AF order with doping as low as 1%. I will present a range of susceptibility measurements to examine the effect of Vanadium doping on  $T_c$  and the Neel Temperature.

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