

Abstract Submitted  
for the MAR09 Meeting of  
The American Physical Society

**Signs of quantum Griffiths effects in the weak itinerant ferromagnet Ni-V<sup>1</sup>** ALMUT SCHROEDER, SARA UBAID-KASSIS, Kent State University  
— Magnetization and ac-susceptibility data of  $Ni_{1-x}V_x$  alloys are presented in the vicinity of the critical concentration,  $x_c \approx 11\%$ , where the ferromagnetic transition temperature is expected to vanish. For  $x > x_c$  power laws with unusual exponents are observed, which change with further dilution.

<sup>1</sup>supported by NSF DMR 0306766

Almut Schroeder  
Kent State University

Date submitted: 21 Nov 2008

Electronic form version 1.4