

Abstract Submitted  
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**Coulomb Excitation of  $^{50}\text{Mn}$  and Isospin Symmetry in the  $A = 50$ ,  $T = 1$  Multiplet**<sup>1</sup> D.C. MCGLINCHEY, J.W. KREMENAK, L.A. RILEY, Ursinus College — The  $2_1^+$  of  $^{50}\text{Mn}$  has been studied using intermediate energy Coulomb excitation at 61 MeV/nucleon at the National Superconducting Cyclotron Laboratory at Michigan State University. Here a preliminary  $B(E2 : 0_{g.s.}^+ \rightarrow 2_1^+)$  value for  $^{50}\text{Mn}$  is presented. Using this result and  $B(E2)$  values previously determined for  $^{50}\text{Fe}$  and  $^{50}\text{Cr}$ , a test of isospin purity in the Mass 50,  $T = 1$  multiplet is performed.

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