Coulomb Excitation of $^{46}$V and Testing Isospin Symmetry in the $A = 46, T = 1$ Multiplet$^1$ J.W. KREMENAK, D.C. MCGLINCHEY, L.A. RILEY, Ursinus College — A beam of the rare isotope $^{46}$V was studied via intermediate energy Coulomb excitation at 60 MeV/nucleon at the National Superconducting Cyclotron Laboratory (NSCL). The $B(E2; 0^+_{g.s.} \rightarrow 2^+_1)$ value of $^{46}$V was used to calculate the $M_o$ value for the nucleus. The extracted $M_o$ value in $^{46}$V was compared with the isoscalar multipole matrix element extracted from the previously determined $B(E2; 0^+_{g.s.} \rightarrow 2^+_1)$ values of $^{46}$Cr and $^{46}$Ti. Preliminary results will be presented.

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