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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. RI-LEY, Ursinus College — A beam of the rare isotope ⁴⁶V 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 ⁴⁶V was used to calculate the M_o value for the nucleus. The extracted M_o value in ⁴⁶V was compared with the isoscalar multipole matrix element extracted from the previously determined $B(E2; 0_{g.s.}^+ \rightarrow 2_1^+)$ values of ⁴⁶Cr and ⁴⁶Ti. Preliminary results will be presented.

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