1048-20-332 **Stacy L. Beun*** (slb96@cabrini.edu), Cabrini College, 610 King of Prussia Rd, Radnor, PA 19087. *Classifying conjugacy classes of maximal (θ, k)-split tori in $SL(n, k)$.* Preliminary report.

Classifying the orbits of a minimal parabolic k-subgroup acting on a symmetric k-variety is essential to the study of symmetric k-varieties and their representations. For general fields, Helminck and Wang gave several general characterizations of these orbits; however, field-specific classifications are still needed for each class of symmetric k-variety. In order to classify these orbits, we need to first classify the H_k-conjugacy classes of maximal (θ, k)-split tori, where θ is the defining involution of the symmetric k-variety and H_k is the fixed point group of θ. In this work, we classify the H_k-conjugacy classes of maximal (θ, k)-split tori for various involutions of $\mathrm{SL}(n, k)$ and for a number of bases fields, including finite fields and the p-adic numbers. (Received February 10, 2009)