1121-05-131 **Anna Weigandt*** (weigndt2@illinois.edu), 1409 W. Green St, Urbana, IL 61801. *Prism tableaux for alternating sign matrix varieties.* Preliminary report.

Alternating sign matrices (ASMs) form the MacNeille completion of the strong Bruhat order on the symmetric group. To an ASM A, we associate the ASM variety X_A, a subvariety of the space of square matrices. X_A is defined by imposing rank conditions determined by the corner sum matrix of A. In the case where A is a permutation matrix, X_A is a matrix Schubert variety. We give a formula for the T-equivariant cohomology class of X_A as a generating series over prism tableaux, extending joint work with A. Yong. (Received July 16, 2016)