1077-22-1415 **Benjamin Trahan*** (trahan@math.utah.edu), trahan@math.utah.edu. *Lefschetz Functors for the Metaplectic Group.*

In a recent paper, Ciubotaru and Trapa defined a family of exact functors carrying spherical Harish-Chandra modules for real classical linear algebraic groups to representations of a certain algebra called the graded affine Hecke algebra. Representations of this algebra can then be translated, thanks to results of Lusztig, Barbasch, and Moy, into representations of a p-adic group of the same type as the original real group. The result, in effect, is a Lefschetz functor for real classical linear algebraic groups; it also embeds the spherical unitary dual for the real group into the spherical unitary dual for the p-adic group. This talk describes the first extension to a non-linear example, an analagous functor for genuine representations of the real and p-adic metaplectic groups. (Received September 22, 2011)