

December 2: Steven Miller (Rutgers), *Unipotent unitary representations and Eisenstein series*.

My talk will discuss some recent connections between Eisenstein series and the representation theory of split real reductive Lie groups. They can be used to show the unitarity of the base-point of real unipotent Arthur packets, as well as construct some examples of representations having certain small wavefront sets. Time permitting, I will outline some potential extensions to Kac-Moody groups suggested by string theory.