

1106-11-1801      **Ellen Eischen\*** (eeischen@email.unc.edu). *p-adic q-expansions and families of automorphic forms.*

One approach to  $p$ -adically interpolating special values of certain  $L$ -functions relies on constructing  $p$ -adic families of automorphic forms. I will explain how to produce such  $p$ -adic families for certain unitary groups. In particular, this talk will focus on the  $q$ -expansions (and certain analogues of  $q$ -expansions) of these forms. I will also mention some applications to number theory and beyond. (Received September 15, 2014)