1026-11-38   **Ramin Takloo-Bighash*** (`rtakloo@math.princeton.edu`), Department of Mathematics, Princeton University, Princeton, NJ 08540. *On the existence of Bessel functionals.* Preliminary report.

In this talk I will describe recent results joint with Dipendra Prasad on the existence of Bessel functionals for the groups GSp(4) over a non-archimedean field, providing non-trivial examples for the conjectures of Gross and Prasad. In light of these conjectures one expects certain explicit multiplicity one statements related to the matching of epsilon factors. I will explain the proofs of these statements for discrete series packets. (Received January 23, 2007)