1103-16-154 **Jolie Roat*** (jdroat@iastate.edu) and **Siu-Hung Ng** (rng@math.lsu.edu). *On $8p$ dimensional Hopf algebras with the Chevalley property.*

The classification of 24-dimensional Hopf algebras remains predominantly open. In particular, little is known about those Hopf algebras with the Chevalley property. In this talk, we will classify the non-semisimple Hopf algebras of dimension 24 with the Chevalley property. In particular, we find such a Hopf algebra must either be pointed, or have a coradical of dimension 12. Further, the 12-dimensional coradical can only be isomorphic to the dual of the dihedral group algebra, the dual of the dicyclic group algebra, or the self-dual, non-commutative semisimple Hopf algebra A_+ of dimension 12 determined by $G(A_+) \cong \mathbb{Z}_2 \times \mathbb{Z}_2$. These results can be extended to Hopf algebras of dimension $8p$ with the Chevalley property. (Received August 18, 2014)