1116-16-1912 **Susan Montgomery**, **Maria D. Vega*** (maria.vega@usma.edu) and **Sarah Witherspoon**.
Hopf automorphisms and twisted extensions.

In this talk, I will describe some applications of a Hopf algebra constructed from a group acting on another Hopf algebra A as Hopf automorphisms, namely Molnar's smash coproduct Hopf algebra. I will also talk about connections between the exponent and Frobenius–Schur indicators of a smash coproduct and the twisted exponents and twisted Frobenius–Schur indicators of the original Hopf algebra A. (Received September 21, 2015)