1023-11-1186 **Alan Koch*** (akoch@agnesscott.edu), Department of Mathematics, Agnes Scott College, 141 E. College Ave., Decatur, GA 30030. *The Breuil Module of a p-Torsion Group Scheme Represented by a Monogenic Hopf Algebra.* Preliminary report.

Let R be a characteristic zero discrete valuation ring with residue field k of characteristic p. We give the Breuil module for each R-group scheme $G = \mathrm{Spec}(H)$ such that G is of rank p^n for some n, G is killed by p, and H is a monogenic R-Hopf algebra. Each Breuil module arises as a lift of the Dieudonné module of some k-group scheme of rank p^n which is killed by p and monogenically represented. We start with these k-group schemes and construct all of their lifts to R. (Received September 25, 2006)