1135-16-1208 **Van Cat Nguyen** (nguyen@hood.edu), Dpartment of Mathematics, Hood College, Frederick, MD 21701, **Xingting Wang*** (xingting@temple.edu), Department of Mathematics, Temple University, Philadelphia, PA 19122, and **Sarah Witherspoon** (sjw@math.tamu.edu), Department of Mathematics, Texas A&M University, Collega station, TX 77843. *Finite generation of cohomology rings of some pointed Hopf algebras in positive characteristic.* Preliminary report.

It is a long standing conjecture that the cohomology ring of a finite-dimensional Hopf algebra is always finitely generated. So far affirmative answers for noncommutative and noncocommutative Hopf algebras are given in a case by case basis. In this talk, over a base field of characteristic p>2, we prove the cohomology rings of the bosonization of the rank 2 Nichols algebra of Jordan type over a cyclic group of order p and their liftings in p=3 are finitely generated. We will apply the twisted tensor product and Anick resolutions to achieve that goal. (Received September 20, 2017)