

1125-16-1769 **Xingting Wang*** (xingting@temple.edu), Temple University Department of Mathematics, 1805 N. Broad Street, Philadelphia, PA 19122, and **Xiaolan Yu** and **Yinhuo Zhang**. *Non-noetherian Hopf algebras versus noetherian Hopf algebras*. Preliminary report.

In this talk, we will talk about how to use the monoidal Takeuchi-Morita equivalence as a bridge between noetherian and non-noetherian Hopf algebras to study various properties of the latter. In particular, we will discuss homological behaviors such as twisted Calabi-Yau property. Many examples will be provided during the talk including the study of quantum automorphism groups associated to Artin-Schelter regular algebras. This is a joint work with Xiaolan Yu and Yinhuo Zhang. (Received September 19, 2016)