

1116-16-1604 **Siu-Hung Ng*** (rng@math.lsu.edu), Department of Mathematics, Louisiana State University,
Baton Rouge, LA 70803. *On Frobenius-Schur indicators for nonsemisimple Hopf algebras.*

There are two different generalizations of higher Frobenius-Schur indicators for the regular representations of finite-dimensional pivotal Hopf algebras, which are not necessarily semisimple. Both of these generalizations are invariant under gauge transformations and they coincide when the underlying Hopf algebras are semisimple with the canonical pivotal structure. In this talk, we will discuss these two generalizations of indicators with some examples, which demonstrate their difference. (Received September 20, 2015)