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Bach Nguyen*, bnguy38@lsu.edu, and **Kurt Trampel** and **Milen Yakimov**. *Discriminant of Quantum Schubert Cell Algebras via Poisson Geometry*.

The notion of discriminant is an important tool in number theory, algebraic geometry and noncommutative algebra. However, in concrete situations, it is difficult to compute and this has been done for few noncommutative algebras by direct methods. In this talk, we will describe a general method for computing noncommutative discriminants which relates them to representation theory and Poisson geometry. As an application we will provide explicit formulas for the discriminants of the quantum Schubert cell algebras at roots of unity. (Received January 12, 2017)