1147-16-593   **Bach Nguyen**, **Kurt Trampel*** (`ktramp2@lsu.edu`) and **Milen Yakimov**. *Discriminants and noncommutative algebras.*

We will present a general method for computing discriminants of noncommutative algebras obtained from specialization at roots of unity. This method builds a connection with Poisson geometry and will express the discriminants as products of Poisson primes. Quantum Schubert cells at roots of unity are examined in light of this method. Moreover, applications of the discriminant will be explored. (Received January 26, 2019)