Pramod Achar (pramod@math.lsu.edu), William Hardesty* (whardesty@lsu.edu) and Simon Riche (simon.riche@math.univ-bpclermont.fr). Some remarks on exotic t-structures in positive characteristic.

In this talk we will discuss joint work with P. Achar and S. Riche involving exotic t-structures for the Springer resolution and the nilpotent cone in positive characteristic. Specifically, we will examine how a number of classical results due to R. Bezrukavnikov in characteristic 0 can be adapted to the positive characteristic case by certain base change arguments. (Received January 17, 2017)