

1156-14-395

Laura Rider* (laurajoy@uga.edu), **Kei Yuen Chan** and **Paul Sobaje**. *Exotic t-structure for coherent sheaves on a partial resolution of the nilpotent cone*. Preliminary report.

In this talk, I will explain how to define an exotic t-structure for coherent sheaves on a partial resolution of the nilpotent cone. Along the way, I'll mention the special cases of exotic sheaves on the Springer resolution and perverse coherent sheaves on the nilpotent cone, along with some of their applications to geometric representation theory. This is joint work with Paul Sobaje and Kei Yuen Chan. (Received January 28, 2020)