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**Speaker:** Matthew Dyer  
University of Notre Dame

Tuesday, April 12, 2016

12:00 PM

125 Hayes-Healy Hall

**Title:** Stratified rings

**Abstract:**

It is a classical result of Bernstein, Gelfand and Gelfand that a block of category  $\mathcal{O}$  for a semisimple complex Lie algebra is equivalent to the category of finite dimensional modules for some finite dimensional "highest weight" algebra. This talk will discuss a class of "stratified" rings, which we take as our general framework for the remaining talks in this series, which generalizes such highest weight algebras in a similar way to that in which Andersen-Jantzen-Soergel categories generalize category  $\mathcal{O}$ .