

MIT Lie Groups Seminar
Wednesday 4:30–5:30, room 2-142

March 6: Roman Bezrukavnikov (MIT), “Some examples of Hodge modules arising in representation theory.”

I will present a joint result with Simon Riche computing Hodge filtration on the (dual) Verma module (or rather its image under the Beilinson-Bernstein localization theorem). Time permitting, I will describe a conjecture on Hodge filtration on character D -modules (joint with D. Kazhdan and Y. Varshavsky) motivated by study of almost characters for loop groups.