

# Geometric Representation Theory Seminar

Organizer(s): Constantin Teleman

Thursday, 2:10–3:30pm, 736 Evans

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Nov. 12    **William Slofstra**, UC Berkeley

*Filtrations on  $G^L$ -representations and their interpretation in terms of the loop Grassmannian*

I will start by defining the principal nilpotent filtration, and explain its relation to the  $q$ -analogue of Kostant's multiplicity formula and Kostant's generalized coefficients. We will then translate this, via the geometric Satake isomorphisms, in terms of the loop Grassmannian of the Langlands dual group.