

Representation Theory, Geometry & Combinatorics Seminar

Organizer: M. Haiman and K. Reshetikhin

Wednesday, 4:00–6:00pm, 939 Evans

March 4 **Hiroshi Iritani**, Kyushu

An integral structure in quantum cohomology

I will discuss an integral structure in quantum cohomology defined by the K -group and a Γ -class. Under mirror symmetry, this integral structure should be mirror to the integral local system of the Gauss-Manin system on the B -side. I give an evidence for this in toric case and discuss applications to the functoriality problem in quantum cohomology.