

Contributed talk on September 23, 2024, 15:00 pm

Speaker: **Aidan Lindberg, University of Toronto**

Title: Hodge theory of log Poisson manifolds

Abstract:

In this talk I will discuss recent joint work with Brent Pym concerning Hodge theory for holomorphic Poisson manifolds, with a view towards nonperturbative deformation quantization. I will show how to every logarithmic Poisson manifold one can associate a canonical mixed Hodge structure and describe how, in the case of torus invariant Poisson structures on projective space, the associated period map recovers the q -parameters defining noncommutative tori.