

## Mirror symmetry, intersection of quadrics, and Hodge theory

Tony Pantev (University of Pennsylvania)

Abstract: I will discuss a construction of the homological mirror correspondence on algebraic integrable systems arising as moduli of flat bundles on curves. The focus will be on non-abelian Hodge theory as a tool for constructing objects in the Fukaya category. I will discuss specific example of the construction building automorphic sheaves on moduli space of bundles that are realized as intersections of quadrics. This is a joint work with Ron Donagi and Carlos Simpson.