

## abstract

SHORT TALKS BY POSTDOCTORAL MEMBERS

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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The rational degeneration of the double affine Hecke algebras associated to the Weyl group  $W$  is a rational Cherednik algebra  $H_W$  associated to  $W$ . Deformed Harish-Chandra homomorphism is an analog of the Bernstein-Beilinson localization for the rational Cherednik algebras  $H_W$ ,  $W = \mathbb{Z}^n \rtimes S_n$ . The construction is based on the quantum Hamiltonian reduction of the algebra of differential operators on the variety of representations of the cyclic quiver.