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**Weiqiang Wang\*** ([ww9c@virginia.edu](mailto:ww9c@virginia.edu)). *Multiparameter quantum Schur duality of type B.*

We establish a Schur type duality between a coideal subalgebra of the quantum group of type A and the Hecke algebra of type B with 2 parameters. We identify the  $i$ -canonical basis (developed by Bao and Wang) on the tensor product of the natural representation with Lusztig's canonical basis of the type B Hecke algebra with unequal parameters associated to a weight function. This is joint work with Huanchen Bao (IAS) and Hideya Watanabe (Tokyo Institute of Technology). (Received September 05, 2016)