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**Chun-Ju Lai** (cjlai@uga.edu), Department of Mathematics, University of Georgia, Athens, GA 30602, **Daniel K. Nakano** (nakano@uga.edu), Department of Mathematics, University of Georgia, Athens, GA 30602, and **Ziqing Xiang\*** (ziqing@uga.edu), Department of Mathematics, University of Georgia, Athens, GA 30602. *Isomorphism Theorem between  $q$ -Schur algebras of type  $B$  and type  $A$ .*

This talk focuses on Schur algebras of type B with two parameters  $q$  and  $Q$ . I will show that for arbitrary  $q$  and generic  $Q$ , the type B Schur algebras are isomorphic to direct sums of tensor products of type A Schur algebras. This enables us to address the questions of cellularity, quasi-hereditariness and representation type of the type B Schur algebras. This is joint work with Chun-Ju Lai and Daniel Nakano. (Received January 28, 2019)