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**Guillaume Cebron** and **Ching Wei Ho\***, 9500 Gilman Dr, La Jolla, CA 92093. *The Large-N Limit of the  $q$ -Segal-Bargmann Transform.*

Sniady constructed a random matrix model which has a limiting noncommutative distribution of the  $q$ -Gaussian distribution. We prove that the Segal-Bargmann transform on the Sniady random matrix model converges to the  $q$ -Segal-Bargmann transform in  $L^2$  sense. (Received September 23, 2017)