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Minxian Zhu* (minxian@math.rutgers.edu), 110 Frelinghuysen Rd., Department of Mathematics, Piscataway, NJ 08854. *Regular representations of quantum groups at roots of unity.*

I will discuss how the quantum function algebra decomposes as a bimodule of the big quantum group at roots of unity. I will explain how it is related to the structure of a family of vertex algebras associated to algebraic groups in rational levels. (Received February 08, 2009)