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**Thomas Sale\*** ([tw2mb@virginia.edu](mailto:tw2mb@virginia.edu)). *Quantum supergroups at roots of unity.*

A quantum covering group is an algebra with parameters  $q$  and  $\pi$  subject to  $\pi^2 = 1$  that specializes to the usual quantum group at  $\pi = 1$  and to a quantum supergroup at  $\pi = -1$ . We establish the Frobenius-Lusztig homomorphism and Lusztig-Steinberg tensor product theorem in the setting of quantum covering groups at roots of 1. The specialization of these constructions at  $\pi = 1$  recovers Lusztig's constructions for quantum groups at roots of 1. This is joint work with Christopher Chung and Weiqiang Wang. (Received January 28, 2019)