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William Chin* (wchin@condor.depaul.edu). *Coverings of pointed Hopf algebras.*

We discuss coverings of graded pointed Hopf algebras, which arise as coalgebra coverings of the underlying pointed coalgebras. When there are enough quadratic relations, the universal covering Hopf algebra of a bosonization of a Nichols algebra is given by the enveloping group of the underlying rack. This provides a range of finite-dimensional pointed Hopf algebras with various groups of group-like elements. We discuss some cases where Hopf algebra coverings lift to nongraded Hopf algebras. (Received September 17, 2014)