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Yorck Sommerhäuser*, Memorial University of Newfoundland, Department of Mathematics and Statistics, St. John's, NL A1C 5S7, Canada. *Yetter-Drinfel'd Hopf Algebras and Their Extensions*. Preliminary report.

Under suitable assumptions on the base field, a commutative and cocommutative semisimple Yetter-Drinfel'd Hopf algebra over a finite abelian group contains a subalgebra that can be described as an extension. We discuss certain aspects of the theory of extensions of Yetter-Drinfel'd Hopf algebras that are relevant in this context. (Received August 06, 2015)