

**Meeting:** 1004, Bowling Green, Kentucky, SS 10A, Special Session on Hopf Algebras and Related Topics

1004-16-176      **David E. Radford** and **H.-J. G. Schneider\*** ([hanssch@mathematik.uni-muenchen.de](mailto:hanssch@mathematik.uni-muenchen.de)),  
Mathematisches Institut, Ludwig-Maximilians-Universitaet Muenchen, D-80333 Munich, Germany.  
*On the irreducible representations of a class of pointed Hopf algebras.* Preliminary report.

This is a report on recent joint work with D. Radford which is still in progress. We describe the irreducible representations of certain algebra structures on the underlying vector space of the tensor product of two algebras. Then we apply our results to generalized quantum doubles, and in particular to a class of pointed Hopf algebras introduced by N. Andruskiewitsch and the second author. (Received January 24, 2005)