

Meeting: 1001, Evanston, Illinois, SS 24A, Special Session on Hopf Algebras at the Crossroads of Algebra, Category Theory, and Topology

1001-20-353 **Marc Rosso*** (Marc.Rosso@ens.fr), D.M.A, Ecole Normale Supérieure, 45 rue d'Ulm, 75005 Paris, France. *Representations of quantum groups: constructions and characters from a Hopf algebraic point of view.*

We give concrete realizations of finite dimensional representations of quantized enveloping algebras using quantized shuffles and some Hopf algebraic constructions. This leads to character formulas . This also applies to the root of unity case. (Received August 31, 2004)