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A generalized Steinberg section and branching rules for quantum groups at roots of 1

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In this paper we construct a generalization of the classical Steinberg section for the quotient map of a semisimple group with respect to the conjugation action. We then give various applications of our construction including the construction of a sort of Gelfand Zetlin basis for a generic irreducible representation of quantum GL(n) at odd roots of unity.

Comments:	29 pages. The new version contains a number of minor corrections
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