

On some q -deformations of von Neumann algebras of free groups and their maximal abelian subalgebras

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I will recall two deformations of von Neumann algebras associated to free groups; one based on q -Hecke deformations, and the other on the q -Fock space construction, and discuss some examples of maximal abelian subalgebras in the resulting von Neumann algebras, together with their properties. Based on joint work with Martijn Caspers and Mateusz Wasilewski.