QUANTUM GROUPS AND FACTORS

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Abstract:
The theory of compact quantum groups has for many years been a source of interesting operator algebras. The talk will focus on the question which von Neumann factors can be obtained as algebras of "bounded functions on a compact quantum group". I will try to keep the technical issues of the theory of von Neumann algebras and compact quantum groups down to a minimum and focus on the simple cases where elementary operator theory is sufficient to answer the question.