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Convolution semigroups in operator-valued probability

In this talk we shall discuss from an analytic perspective non-commutative convolution semigroups of distributions with values in a C^* -algebra B . It turns out that these semigroups can be naturally indexed by sub-semigroups included in the space of completely positive maps on B . This is joint work with M. Anshelevich, M. Fevrier and A. Nica.