1099-60-125   **Guillaume Cébron*** (`guillaume.cebron@upmc.fr`). *Matricial model for free multiplicative Lévy processes.*

The free unitary Brownian motion, introduced by Philippe Biane in 1997, is the limit of the Brownian motion on the unitary group in large dimension. In this talk, I shall extend this result to unitary free Lévy processes. More precisely, each unitary noncommutative stochastic process whose multiplicative increments are stationary and freely independent is the limit (in non-commutative distribution) of a classical Lévy process on the unitary group with adapted parameters. The techniques of proof relies on the theory of free log-cumulants, and on the Schur-Weyl duality. (Received February 04, 2014)