1154-46-1766   **Michael Anshelevich*** (`manshel@math.tamu.edu`), Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843-3368. *Algebraic aspects of Hermitian Brownian motion.* Preliminary report.

We will describe the combinatorics associated with the Hermitian matrix-valued Brownian motion, represent this process on an appropriate Fock space, and use this representation to define multiple stochastic integrals with respect to it. (Received September 16, 2019)