

1151-60-211      **Fabrice Baudoin\*** ([fabrice.baudoin@uconn.edu](mailto:fabrice.baudoin@uconn.edu)), Department of Mathematics, 341 Mansfield Road, Storrs, CT 06268. *Bakry-Emery meet Villani.*

We present some methods based on Gamma-calculus to prove convergence to equilibrium for the semigroup generated by degenerate hypoelliptic operators. The example of the kinetic Fokker-Planck operator will be discussed in details.

Some of the results which will be presented come from a joint work with M. Gordina and D. Herzog. (Received August 19, 2019)