1145-16-969   **Jacob Laubacher*** (`jacob.laubacher@snc.edu`). *A Deformation Theory Controlled by*
                     $H^\bullet_{S^d}(A, A)$. Preliminary report.

In this talk we explore how the higher order Hochschild cohomology of a commutative algebra A with coefficients in A controls a deformation theory when the simplicial set is taken as the d-sphere for any $d \geq 1$. (Received September 17, 2018)