1128-13-139　　　　　**Jennifer Kenkel*** (`jennifer.kenkel@gmail.com`), UT. *Local Cohomology of Thickenings.* Preliminary report.

Let R be a standard graded polynomial ring that is finitely generated over a field, let $\mathfrak{m}$ be the homogeneous maximal ideal of R, and let I be a homogeneous prime ideal of R. Bhatt, Blickle, Lyubeznik, Singh and Zhang examined the local cohomology of R/I^t, as t goes to infinity, in characteristic 0. I will discuss their results, give a concrete example, and consider the same problem in positive characteristic. (Received February 22, 2017)