1135-13-209 **Chloe I. Avery**, **Caitlyn Booms*** (cbooms1@nd.edu), **Timothy M. Kostolansky**, **S. Loepp** and **Alex Semendinger**. *Completions of Noncatenary Local Integral Domains.* Preliminary report.

Let A be a local ring with unique maximal ideal M, and let $\widehat{A}$ be the M-adic completion of A. We say that A is *catenary* if, given any pair of prime ideals $P \subsetneq Q$, the length of every saturated chain of prime ideals between them is the same, and we say that A is *noncatenary* otherwise. In this talk we characterize the completions of noncatenary local integral domains. (Received August 11, 2017)