1131-13-340   **Lars Winther Christensen*** (`lars.w.christensen@ttu.edu`) and **Oana Veliche**. *The Golod property of powers of the maximal ideal.* Preliminary report.

We identify minimal cases in which a power of the maximal ideal $\mathfrak{m}$ of a local ring R is not Golod, i.e. the quotient $R/\mathfrak{m}^i$ is not a Golod ring. Complementary to a 2014 result by Rossi and Şega, we prove that for a generic artinian Gorenstein local ring $(R, \mathfrak{m})$ of socle degree 3, the quotient $R/\mathfrak{m}^3$ is not Golod. This is assuming that $\mathfrak{m}$ is minimally generated by at least 3 elements. Indeed, we show that if $\mathfrak{m}$ is 2-generated, then every proper quotient $R/\mathfrak{m}^i$ is Golod. (Received July 18, 2017)