1116-VB-2760 **Swarup N Ghosh*** (swarup.ghosh@swosu.edu) and **Alexander J Izzo**. *A hull with no nontrivial Gleason parts.* Preliminary report.

Suppose X is a compact subset of the n-dimensional complex Euclidean space $\mathbb{C}^n$ with polynomial convex hull $\hat{X}$. It was once conjectured that if $\hat{X}$ is strictly larger than X, then the set $\hat{X} \setminus X$ must contain some analytic structure. However, Stolzenberg gave a counterexample to the conjecture by constructing a compact subset X of $\mathbb{C}^2$ with hull (that is, $\hat{X} \setminus X$ is nonempty) such that $\hat{X} \setminus X$ contains no analytic disc. In this talk we will give a stronger counterexample to the conjecture. We will construct a compact subset X of $\mathbb{C}^3$ with hull such that $\hat{X} \setminus X$ contains no nontrivial Gleason part and does not support any nonzero bounded point derivation. (Received September 22, 2015)