1138-47-38 **Zeljko Cuckovic*** (`zcuckovi@math.utoledo.edu`), University of Toledo, Department of Mathematics and Statistics, 2801 W. Bancroft Street, Toledo, OH 43606. *Axler-Zheng theorem in* $\mathbb{C}^n$.

Axler-Zheng theorem characterizes the compactness of finite sums of finite products of Toeplitz operators acting on the Bergman space on the unit disk in terms of the Berezin transform of the operators. We prove a version of the Axler-Zheng's theorem for weighted Bergman spaces on smooth bounded pseudoconvex domains in $\mathbb{C}^n$. We also discuss the compactness of Hankel operators on these domains. The talk is based on a couple of joint works with Sonmez Sahutoglu and Yunus Zeytuncu. (Received January 21, 2018)