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Zeljko Cuckovic* (zcuckovi@math.utoledo.edu), University of Toledo, Department of Mathematics and Statistics, 2801 W. Bancroft Street, Toledo, OH 43606, **Sonmez Sahutoglu**, University of Toledo, Department of Mathematics and Statistics, Toledo, OH 43606, and **Yunus Zeytuncu**, University of Michigan-Dearborn, Department of Mathematics and Statistics, Dearborn, MI 48128. *A local weighted Axler-Zheng theorem in 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 local version of Axler-Zheng's theorem for weighted Bergman spaces on smooth bounded pseudoconvex domains in C^n . (Joint work with Sonmez Sahutoglu and Yunus Zeytuncu) (Received July 14, 2017)