1113-47-301 **Daniel J Hoff*** (d1hoff@ucsd.edu). Unique Prime Factorization for Von Neumann Algebras of Equivalence Relations.

A tracial von Neumann algebra M is called prime if it cannot be decomposed as the tensor product of two nontrivial (not type I) subalgebras. Naturally, if M is not prime, one asks if M can be uniquely factored as a tensor product of prime subalgebras. The first result in this direction is due to Ozawa and Popa in 2003, who gave a large class of groups C such that for any $\Gamma_1, \ldots, \Gamma_n \in C$, the associated von Neumann algebra $L(\Gamma_1) \otimes \cdots \otimes L(\Gamma_n)$ is uniquely factored. This talk will focus on von Neumann algebras arising from a class of measured equivalence relations, and how the techniques of Ozawa and Popa can be adapted to this setting. (Received August 25, 2015)