

1106-47-1262

**Remi Boutonnet\***, Dept. Of Mathematics, University of California San Diego, 9500 Gilman Drive, MC0112, LA JOLLA, CA 92093. *Maximal amenable von Neumann subalgebras arising from maximal amenable subgroups.*

Consider a maximal amenable subgroup  $H$  in a discrete countable group  $G$ . In this talk I will give a general condition implying that the von Neumann subalgebra  $LH$  is still maximal amenable inside  $LG$ . The condition is expressed in terms of  $H$ -invariant measures on some compact  $G$ -space. As an example I will show that the subgroup of upper triangular matrices inside  $SL(n, \mathbb{Z})$  gives rise to a maximal amenable subalgebra. This talk is based on a joint work with Alessandro Carderi. (Received September 11, 2014)