1063-47-240 **Ionut Chifan*** (ionut.chifan@vanderbilt.edu), 1420 Stevenson Center, Nashville, TN 37235, and **Jesse Peterson** (jesse.d.peterson@vanderbilt.edu), 1424 Stevenson Center, Nashville, TN 37235. *Von Neumann algebras with unique group measure space Cartan subalgebra.*

In this talk I will introduce a class of groups ($\mathcal{CR}$) satisfying the following property:

If $\Gamma \in \mathcal{CR}$ then any free, ergodic, measure preserving action of Γ on a probability space gives rise to a von Neumann algebra with unique group measure space Cartan subalgebra.

I will also discuss few applications of this result to W^*-rigidity. This is joint work with Jesse Peterson. (Received August 17, 2010)