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**Daniel Drimbe, Daniel Hoff\*** (hoff@math.ucla.edu) and **Adrian Ioana**. *Tensorial Relative Solidity*.

A well known and remarkable result of Popa and Vaes from 2012 says that icc hyperbolic groups are relatively strongly solid. As a consequence, if a countable icc group  $\Lambda$  is a product of  $k$  non-amenable hyperbolic groups, then  $L(\Lambda)$  has the following property: For any tracial von Neumann algebra  $M_0$ , and any  $k + 1$  commuting subalgebras of  $M_0 \overline{\otimes} L(\Lambda)$ , the first  $k$  of which are strongly non-amenable relative to  $M_0$ , the  $(k + 1)$ st must strongly intertwine into  $M_0$  in the sense of Popa. In joint work with Daniel Drimbe and Adrian Ioana, we show that this property, although a substantial weakening of relative strong solidity, has the quality that it passes from  $\Lambda$  through measure equivalence; that is,  $L(\Gamma)$  has this property for any icc group  $\Gamma$  which is merely measure equivalent to a product of  $k$  non-amenable hyperbolic groups. In fact, even more is true of  $L(\Gamma)$ , the consequences of which will be the focus of this talk. (Received September 22, 2017)