

1154-46-1179 **Krishnendu Khan*** (krishnendu.khan@vanderbilt.edu). *On Product Rigidity.*

It is well known that the passage of the weak closure of the group ring of a discrete group Γ , denoted by $L(\Gamma)$ tends to forget the algebraic properties of the group. However, over the last few years many examples where $L(\Gamma)$ "remembers" various algebraic properties of Γ were obtained via advancement of deformation/rigidity theory. In my talk, I shall give new classes of examples of groups for which the "product feature" is remembered by the group von Neumann algebra. This talk is based on joint work with Prof. Ionut Chifan and Sayan Das. (Received September 13, 2019)