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Ionut Chifan and **Thomas Sinclair*** (thomas.sinclair@math.ucla.edu), UCLA Mathematics Department, Box 951555, Los Angeles, CA 90095-1555. *Von Neumann Algebras of Hyperbolic Groups.*

We will describe some operator-algebraic consequences of negative curvature in the theory of countable discrete groups, with applications to the structural theory of II_1 factors and measured group theory. (Received August 22, 2011)