1067-47-522 **Arias Alvaro*** (aarias@math.du.edu), Department of Mathematics, University of Denver, Denver, CO 80208, and **Latremoliere Frederic** (Frederic.Latremoliere@du.edu), Department of Mathematics, University of Denver, Denver, CO 80208. *Ergodic actions of convergent Fuchsian groups on quotients of the noncommutative Hardy algebras.*

We characterize the completely isometric automorphism group of some quotients of F_n^∞, the noncommutative Hardy algebras introduced by Popescu in 1990.

We use the remarkable result of Davidson and Pitts that the group of completely isometric automorphisms of F_n^∞ is $SU(n,1)$, the group of biholomorphic maps from the unit ball of C^n into itself. We also use the pseudohyperbolic metric of the unit ball of C^n to simplify some calculations, and we use a version of a Blaschke condition on the unit ball of C^n. The completely isometric automorphism group of the quotient algebra is characterized using the spectrum of the quotient and using theory of biholomorphic maps on the unit ball of C^n.

As a Corollary, we prove that if Γ is a discrete group of $SU(n,1)$ satisfying the version of the Blachske condition, then there exists a quotient of F^∞ with Γ as the completely isometric automorphism group, provided Γ is its own stabilizer. (Received September 08, 2010)