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Aaron D Magid* (amagid@gmail.com), 1301 Campus Dr., University of Maryland, College Park, MD 20742, and **Richard D Canary**. *Dynamics of the outer automorphism group on the $PSL(2, \mathbb{C})$ character variety of a 3-manifold.*

Let M be a compact hyperbolizable 3-manifold. We construct open sets in the $PSL(2, \mathbb{C})$ character variety on which the action of $Out(\pi_1(M))$ is properly discontinuous. These open sets depend on the characteristic submanifold of M . This is joint work with Richard Canary and extends previous work by Canary-Storm. (Received August 29, 2011)