1060-51-114 **Lee Michelle***, 2074 East Hall, 530 Church Street, Ann Arbor, MI 48109. *Dynamics on the $PSL(2,\mathbb{C})$-character variety of a twisted I-bundle.* Preliminary report.

The deformation space of a compact hyperbolizable 3-manifold M, $AH(M)$, is the space of marked hyperbolic 3-manifolds homotopy equivalent to M. $AH(M)$ sits inside $\mathcal{X}(M)$, the $PSL(2,\mathbb{C})$ character variety of $\pi_1(M)$. $Out(\pi_1(M))$ acts on both of these spaces and in particular acts properly discontinuously on the interior of $AH(M)$. Minsky recently defined a notion of primitive-stable representations in $\mathcal{X}(H_g)$ where H_g is a handlebody of genus g. He showed that the set of such representations forms an $Out(F_g)$-invariant open set strictly larger than the interior of $AH(H_g)$ on which the action of $Out(F_g)$ is properly discontinuous. We will discuss an analogous notion of primitive-stable representations in $\mathcal{X}(M)$ when M is a hyperbolizable twisted I-bundle to obtain an analogous result. (Received March 25, 2010)