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**Danijela Damjanovic\*** (ddamjano@math.harvard.edu), 1 Oxford street, Department of Mathematics, Cambridge, MA 02138. *Rigidity of partially hyperbolic higher-rank actions obtained as restrictions of the Weyl chamber flow.*

In this talk I will discuss cocycle rigidity results for certain higher-rank partially hyperbolic abelian algebraic actions obtained from the Weyl chamber flow on  $G/L$ , where  $G$  is a simple split Lie group and  $L$  is an irreducible torsion free lattice in  $G$ . In the second part of the talk I will discuss cocycle rigidity of small perturbations of such actions and its implications for local rigidity. (Received September 10, 2007)