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Mohammed Abouzaid and **Luis Diogo***, ldiogo@columbia.edu. *Monotone Lagrangians on cotangent bundles*. Preliminary report.

Take a monotone Lagrangian on the cotangent bundle of an odd dimensional sphere, whose Floer homology is not trivial. We show that this Lagrangian is not Hamiltonian displaceable from either the zero section or an element of a certain 1-parameter family of monotone Lagrangian tori. The proof involves a classification of modules over the wrapped Floer homology of a cotangent fiber. If time permits, we will discuss a possible generalization to other cotangent bundles. (Received August 25, 2016)