1031-03-69   **Asger Dag Tornquist*** (`asger@math.utoronto.ca`), 40 St. George St. room 6092, Toronto, Canada M5S 2E4, Canada. *Localized cohomology in orbit equivalence and Borel reducibility theory.* Preliminary report.

I will discuss a notion of "localized cohomology" that allows certain results in orbit equivalence theory to be obtained under weaker assumptions. In particular, I will discuss an orbit inequivalence result for countable groups with the relative property (T), with no futher algebraic condition required. Finally, I will discuss Borel reducibility results in this context as well. (Received August 03, 2007)