Ionut Chifan* (ionut.chifan@vanderbilt.edu), 1326 Stevenson Center, Nashville, TN 37240, and Adrian Ioana (adiioana@math.ucla.edu), Los Angeles, CA 90095. On relative property (T) and Haagerup's property.

For a given countable group Γ we consider the following three properties:

- 1. Γ has an infinite subgroup with relative property (T).
- 2. The group von Neumann algebra $L(\Gamma)$ has a diffuse von Neumann subalgebra with relative property (T).
- 3. Γ does not have Haagerup's property.

It is clear that $(1)\Rightarrow(2)\Rightarrow(3)$. We prove that both of the converses are false. This is joint work with Adrian Ioana. (Received September 04, 2009)