1122-37-176   **Michael H. Schraudner*** (`mschraudner@dim.uchile.cl`), Beauchef 851, Torre Norte, Of. 709, 8370459 Santiago de Chile, RM, Chile, and **Álvaro M. Bustos**. *Projective subdynamics of subshifts of finite type on virtually cyclic groups.* Preliminary report.

Building on the notion of projective subdynamics, studied by R. Pavlov and M. Schraudner for $\mathbb{Z}^d$ subshifts of finite type (SFTs) the current work investigates the setting of G SFTs defined on (infinite) virtually cyclic groups G. Possible projective subdynamics are sofic and have to satisfy necessary conditions similar to the ones obtained in the $\mathbb{Z}^d$ context. Constructive realization results however depend on the structure and size of the complementary part of the infinite cyclic subgroup inside G and we are able to give tight bounds on the question for which virtually cyclic groups G certain sofic shifts do (or do not) occur as projective subdynamics. In addition we also prove some results relating the G SFT's entropy to the entropy of its projective subdynamics. (Joint work carried out during A. Bustos' master thesis.) (Received August 12, 2016)