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Edward L Green* (green@math.vt.edu), 460 McBryde Hall, Department of Mathematics, Virginia Tech, Blacksburg, VA 24061, and **Dan Zacharia**, 215 Carnegie Hall, Department of Mathematics, Syracuse University, Syracuse, NY. Components of Auslander-Reiten quivers with modules of finite complexity over a finite dimensional selfinjective algebra. Preliminary report.

The structure of components of the Auslander-Reiten quiver of a finite dimensional selfinjective algebra that contain modules of finite complexity is studied. Particular attention is given to components that contain a module of complexity one. In particular, we completely describe the structure of such a component. (Received August 08, 2008)