

Meeting: 998, Houston, Texas, SS 2A, Special Session on Representations of Algebras

998-16-256 **Shiping Liu*** (shiping.liu@usherbrooke.ca), Department of Mathematics, University of Sherbrooke, Sherbrooke, Quebec J1K 2R1, Canada. *Auslander-Reiten components of a Krull-Schmidt category*. Preliminary report.

Almost split sequences exist only in the module category over an artin algebra, but also in many other types of additive Krull-Schmidt categories. The shapes of Auslander-Reiten components of these categories are studied by many authors in many different contexts. In this talk, we will present a unified description of the possible shapes of these components, showing that the known results for an artin algebra remain true for a general additive Krull-Schmidt category. (Received February 29, 2004)