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K. Diveris* (diveris@stolaf.edu), **M. Purin** and **P. Webb**. *Combinatorial Restrictions on the Tree Class of the Auslander-Reiten Quiver of a Triangulated Category.*

We show that if a connected, Hom-finite, Krull-Schmidt triangulated category has an Auslander-Reiten quiver component with Dynkin tree class then the category has Auslander-Reiten triangles and that component is the entire quiver. This is an analogue for triangulated categories of a theorem of Auslander, and extends a previous result of Scherotzke. (Received August 27, 2016)