

## SO(10)

A good starting point is the diploma thesis of Andreas Weinberger: *The Charged Lepton Flavor Violating Decay  $\mu \rightarrow e\gamma$  in Supersymmetric Theories*. There is also an extensive list of references.

The talk was based on the following papers:  
renormalizable SO(10):

- Takeshi Fukuyama, Tatsuru Kikuchi, Nobuchika Okada *Lepton Flavor Violating Processes and Muon  $g-2$  in Minimal Supersymmetric SO(10) Model* Phys.Rev. D68 (2003) 033012 [hep-ph/0304190]

non-renormalizable SO(10) (models of Albright/Barr vs. Babu/Pati/Wilczek):

- Parul Rastogi *Distinguishing Between Hierarchical and Lop-sided SO(10) Models* Phys.Rev. D72 (2005) 075002 [hep-ph/0507302] → This paper gives a thorough discussion of the 2 models and the possibility to distinguish them. You can find a list of references to other works studying those models.
- Ernest Jankowski, David W. Maybury *Lepton Flavour Violation in a Class of Lopsided SO(10) Models* Phys.Rev. D70 (2004) 035004 [hep-ph/0401132]

Tables useful for GUT groups:

- R. Slansky *Group Theory for Unified Model Building* Phys.Rept.79:1-128,1981