Collection of problems and questions to address

How shall we organize our work?
Reference models?

- SM+Low scale N, triplet, Higgses, DM etc
- SUSY+ Seesaw
  - Singlet, triplet, mixed seesaw
  - top down, bottom up
  - different SUSY breaking scenarios, minimal, non-minimal
  - R-parity violation
- GUTs (RGEs above $M_{GUT}$)
- Split SUSY
- Extra dimensions
- Littlest Higgs model
- What else?
How to address flavour in those models?

- General phenomenological parametrizations of Yukawas (bottom up)
- GUT constraints on Yukawa structure: SU(5), SO(10)
- Flavour symmetries: abelian, non-abelian, discrete
- Textures, zeros etc?
- ????????????
Obervables and correlations between them

- Observables at colliders (tau -> 3 mu, LFV in slepton decays, non-universality is slepton masses?)
- Low energy LFV observables, mu-tau conversion, EDMs, T-odd observables
- Neutrino physics (seesaw I, II, III, ?)
- Cosmology: DM, leptogenesis etc
- Work out correlations between ALL those observables (including WG1, WG2 topics). Suggestions??
Technical and computational issues

• Do we need reference points for LFV in SUSY models??????
• Consistency of computational accuracy in SUSY LFV, leptogenesis, DM, EDMs, g-2, etc.
• Other issues???????
People

• The aim is to distribute topics to people interested to contribute