Brief Outline of Peter’s Analysis

- ISAJET – all SUSY processes at 14 TeV
- Three mSUGRA points – A1(ΔM=5), A2(10), A3(20)
- Event selection: 2 high τ-jets plus soft τ-jets to choose χ²⁰-χ₂⁰ events
  - All jets and τ’s are selected with E_T > 20 GeV
  - Scalar sum E_T of jets (including τ’s) and E_Tmiss > 600 GeV
  - E_Tmiss > 200 GeV
  - N_jet > 5
  - E_T(1st τ) > 40, E_T(2nd τ) > 40, E_T(3rd τ) > 20
- Figure 1: ΣE_Tvis = E_T(1st τ) + E_T(2nd τ)
- Figure 2: E_T(3rd τ)
$E_T^{\text{vis}}$ of $\tau$'s in SUSY

**Figure 1**

Leading $\tau$'s

- A1
- A2
- A3

$\Sigma E_T^{\text{vis}}$ of 2 leading $\tau$'s

**Figure 2**

3rd $\tau$

- A1
- A2
- A3

$E_T^{\text{vis}}$ of 3rd $\tau$