BSM1 Discussion Questions

- 1) Is there a place that we are not covering well? Is it because of fashions, lack of triggers, or otherwise?
  - How to target the compressed region, or degeneracies (e.g. $m_{stop} \sim m_{top}$)
  - Inclusion of soft leptons from quasi-degenerate higgsino LSPs?

- 2) How confident are we in the modeling and performance of high p_T / boosted objects at 14 TeV?
  - What if we see a resonance at mass not equal to m_W or $m_{top} \rightarrow$ are we confident that it is real?
  - Modeling of accidental substructure leading to broad differences in mass distribution?
  - Extrapolation to high p_T and high PU?

- 3) What blinding strategy should we pursue in the future? Should ATLAS and CMS agree on a common policy?

- 4) At 14 TeV, the spotlight will be on high masses $\rightarrow$ how much emphasis should the experiments place on lower masses?

BSM2 Discussion Questions

- 1) The standard question: is there a place that we are not covering well? Is it because of fashions, lack of triggers, or otherwise?

- 2) If the galactic center signal is the DM annihilating, what is the best way of looking for it at colliders?
  - And what is the best way to put constraints on the mediator?

- 3) How applicable is EFT when extrapolating collider results to limits in the DM σ vs. M plane?
  - How should we treat this in the future (e.g., simplified models)?
  - Do different models require different search strategies/selections?

- 4) What range of neutralino DM masses is NOT excluded by our current results, and how do we target these holes?