Hard Susy (1)

- $C_1 \rightarrow N_1 W$ and $N_2 \rightarrow N_1 Z$
  - BRs and backgrounds
  - $R(W/Z)$ vs $N_{jet}$?
- $\tilde{\ell} \rightarrow \ell N_1$ and $\Delta M \rightarrow 0$
- $\tilde{q} \rightarrow q N_1$, $\tilde{g} \rightarrow q\bar{q} N_1$ and $\Delta M \rightarrow 0$
  - ISR tags have large systematics
- Wino or Higgsino LSP
  - leptonic decays lost
  - difficult if just ino production
- $\tilde{\tau}$ is NLSP or dominates decays
  - “tau” $\sim$ skinny jet
- superheavy $\tilde{q}$, $\tilde{g}$, all else light
  - SUSY normalized away?
Increased pile-up will weaken effectiveness of triggers

- soft leptons $\Rightarrow$ high-$p_T$ jet trigger
- soft jets $\Rightarrow$ high-$p_T$ lepton trigger