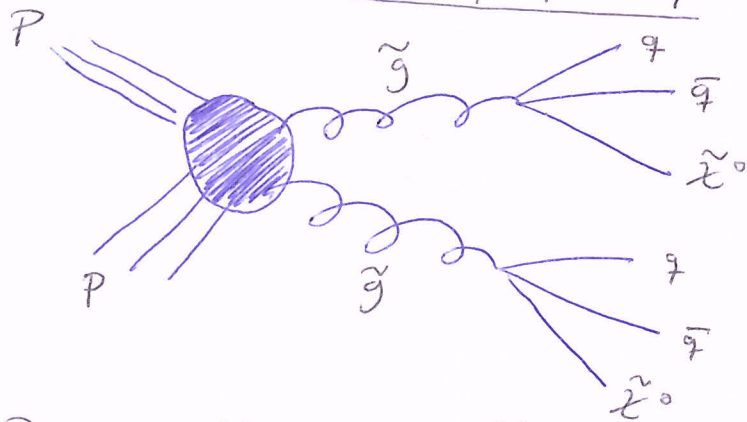


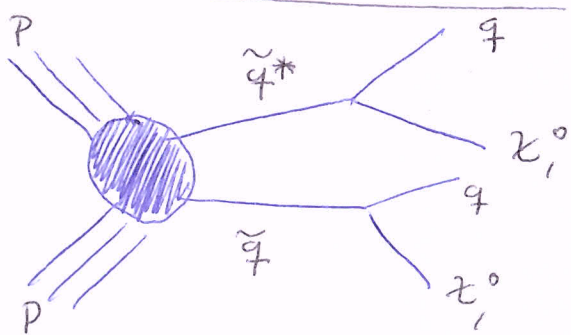
SUSY MODELS

T1 $\tilde{g} \rightarrow q \bar{q} \tilde{\chi}_1^0$

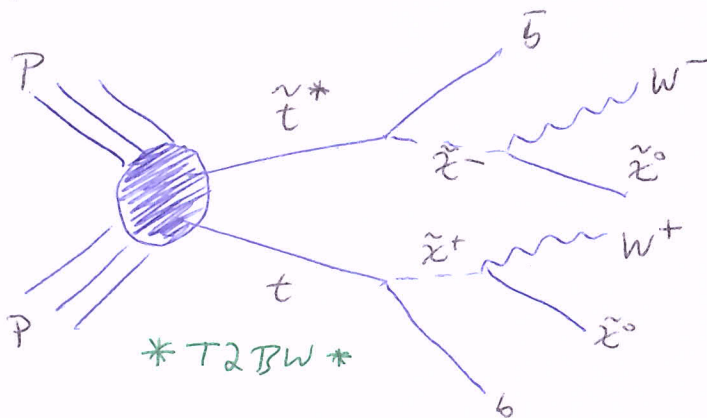


T1ttt and T1bbbb are just special cases where the quarks are specified.

T2 $\tilde{q} \rightarrow q \tilde{\chi}_1^0$



T2tt and T2bb are just special cases where the squarks (and therefore quarks) are specified.



T2bw has the squark-antisquark pair decays into a chargino, which then decays.

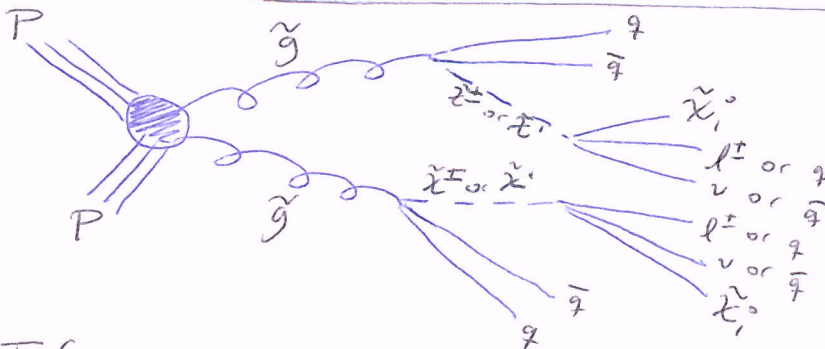
T3 $\tilde{g} \rightarrow q \tilde{q} \chi_1^0$ and $\tilde{g} \rightarrow [SUSY \text{ which decays}] + q \bar{q}$



T3w: $\tilde{\chi}^\pm \rightarrow W^\pm \tilde{\chi}^0$

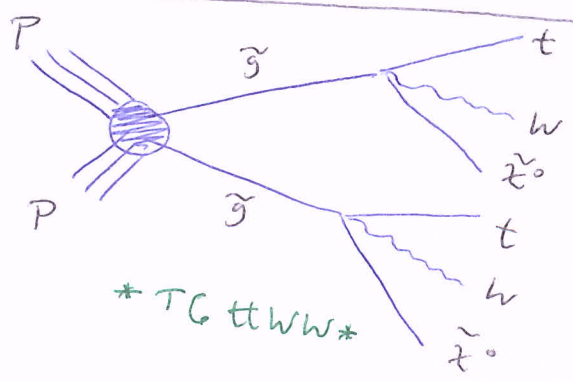
T3lh: $\tilde{\chi}_2^0 \rightarrow l^+ l^- \chi_1^0$

T5 - T3 with both SUSY particles Decaying



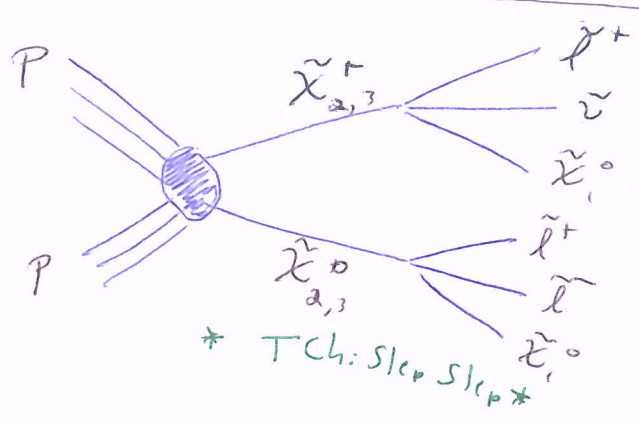
- T5 $\pi\nu$: $\tilde{\chi}^\pm \rightarrow \tilde{\chi}_1^0 p^\pm \nu$
 - T5 ZZ : $\tilde{\chi}_2^0 \rightarrow Z \tilde{\chi}_1^0$
 - T5 gg : $\tilde{\chi}_2^0 \rightarrow g \tilde{\chi}_1^0$
 - T5 Wg : $\tilde{\chi}_2^\pm \rightarrow g \tilde{\chi}_1^\pm$
or $\tilde{\chi}_1^\pm \rightarrow W \tilde{\chi}_1^0$
- \uparrow massless

T6 - T2 with 3-bodies decay



* T6 $ttWW$ *

TChi - Production of $\tilde{\chi}_1^+ \tilde{\chi}_2^0$ or $\tilde{\chi}_2^0 \tilde{\chi}_2^0$



- TChi WZ : $\tilde{\chi}_1^+, \tilde{\chi}_{2,3}^0 \rightarrow W, Z + \tilde{\chi}_1^0$
- TChi ZZ : $\tilde{\chi}_{2,3}^+, \tilde{\chi}_2^0 \rightarrow ZZ \tilde{\chi}_1^0, \tilde{\chi}_1^0$

* TChi: Step Step *