

So we want to search for this...

• Large MET search have ruled out many areas of parameter space

- How about scenario for Lightest Supersymmetric Particle (LSP) production with low MET.

- Idea: What if LSP is Singlino \rightarrow SUSY counterpart of singlet Higgs?

- Consider $NLSP \rightarrow LSP + X$ decay, where X decays into Standard Model particles.

- If $M_X \approx M_{NLSP}$ then LSP will carry little momentum, giving small MET signal [3].



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• Large MET search have ruled out many areas of parameter space.

• Hypothesis for Lightest Supersymmetric Particle (LSP) production

with low NME.

• Consider $NLSP \rightarrow LSP + X$ decay, where X decays into Standard Model

particles.

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• If $M_x \approx M_{N_{LP}}$ then LSP will carry little momentum, giving small MET signal

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