Long-lived Stau

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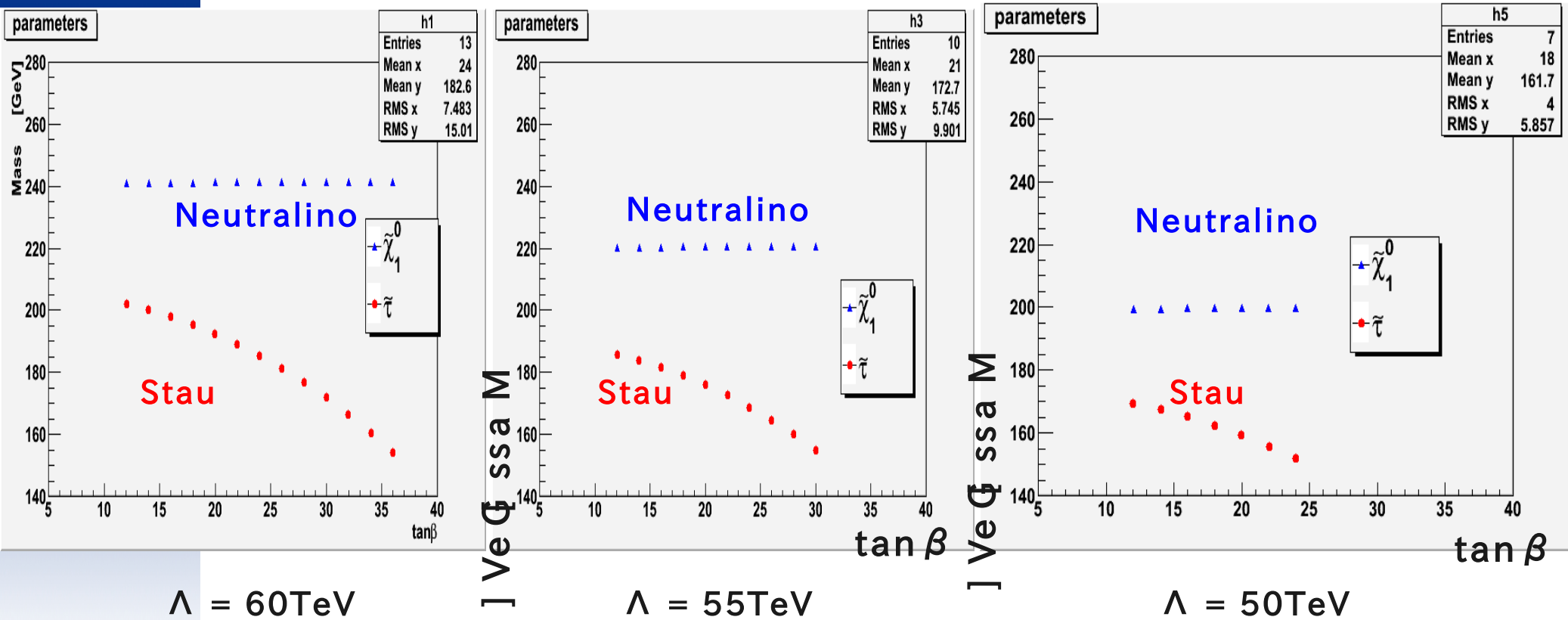
Isasugra

Isasugra calculates SUSY masses from SUSY parameters,
Those parameters are Λ,tanβ,mass scale of messenger
and so on.

I'd like to decide suitable SUSY masses
using isasugra.

Masses and SUSY Parameters

Λ = 60TeV

Λ = 55TeV

Λ = 50TeV

Mass scale of messenger is 4800TeV,N5 is 3 and sign(μ) is 1.
 I Changed SUSY parameters maintaining SUSY mass spectrum.

Summary

· To use larger SUSY masses,Λ is larger and tanβ is smaller.

· Lightest neutralino mass is about 240GeV,
  and stable stau mass is about 200GeV.

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