

Exercises

- (8) Prove that the phase space distribution for the M_{LL} invariant mass is has the triangular shape shown on the previous slide, and
- (9) Show that the endpoint is located at

$$\left(m_{ll}^{\max}\right)^2 = \frac{\left(m_{\tilde{\chi}_2^0}^2 - m_{\tilde{l}_R}^2\right)\left(m_{\tilde{l}_R}^2 - m_{\tilde{\chi}_1^0}^2\right)}{m_{\tilde{l}_R}^2}$$