

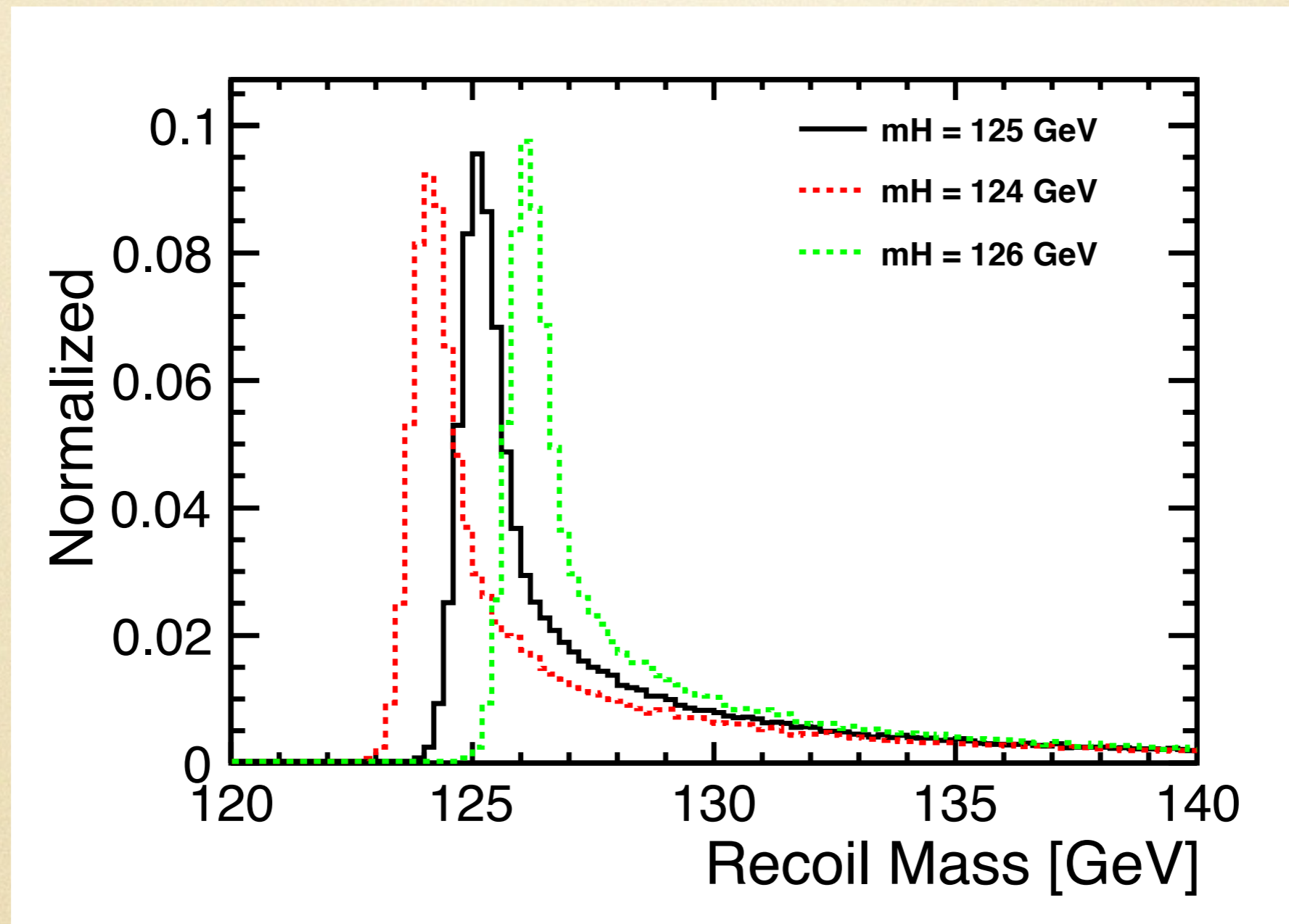
a message about recoil mass shape

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does the shape of recoil mass depend on Higgs mass?

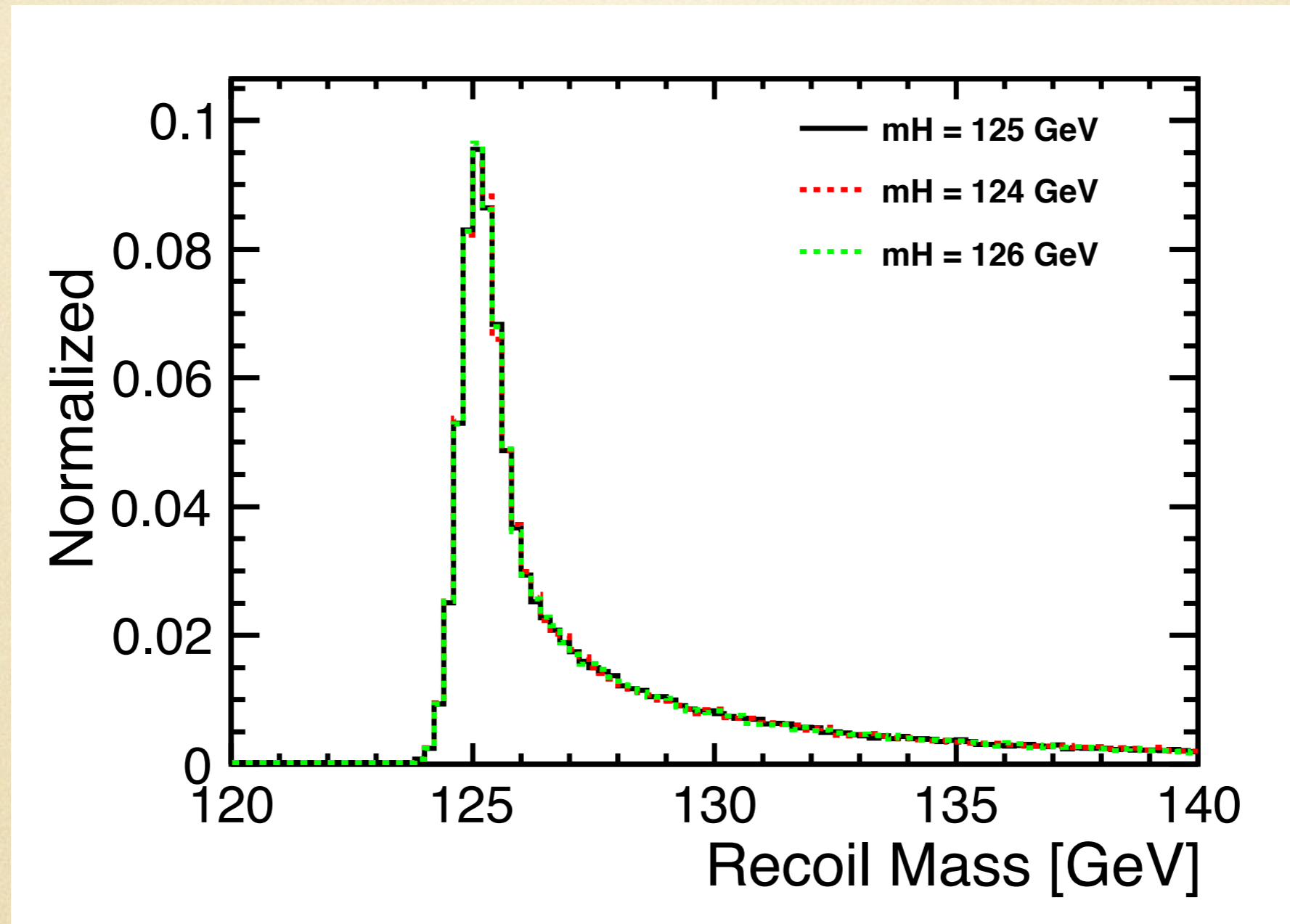
is ISR sensitive to m_H ?



generator level, obtained by whizard

does the shape of recoil mass depend on Higgs mass?

seems not!



shift the distribution to same centre

does the shape of recoil mass depend on Higgs mass?

seems not!

- bad news: template fitting would not help improve statistical error
- good news: if recoil mass shape is same for different m_H , it will be known once beam spectrum is measured, we can fit the m_H by shifting the known shape \rightarrow encourage us to use kernel function to describe the recoil mass shape, and to study the uncertainty of the shape due to uncertainty of beam spectrum (systematic errors).