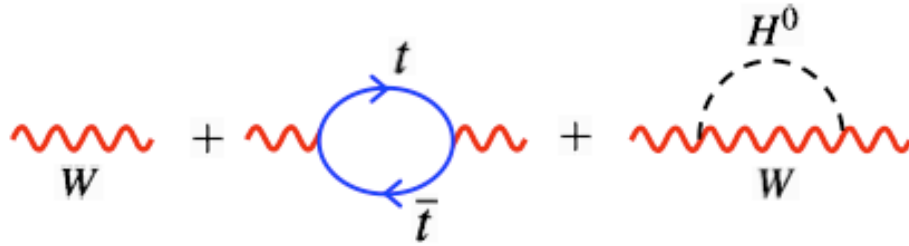
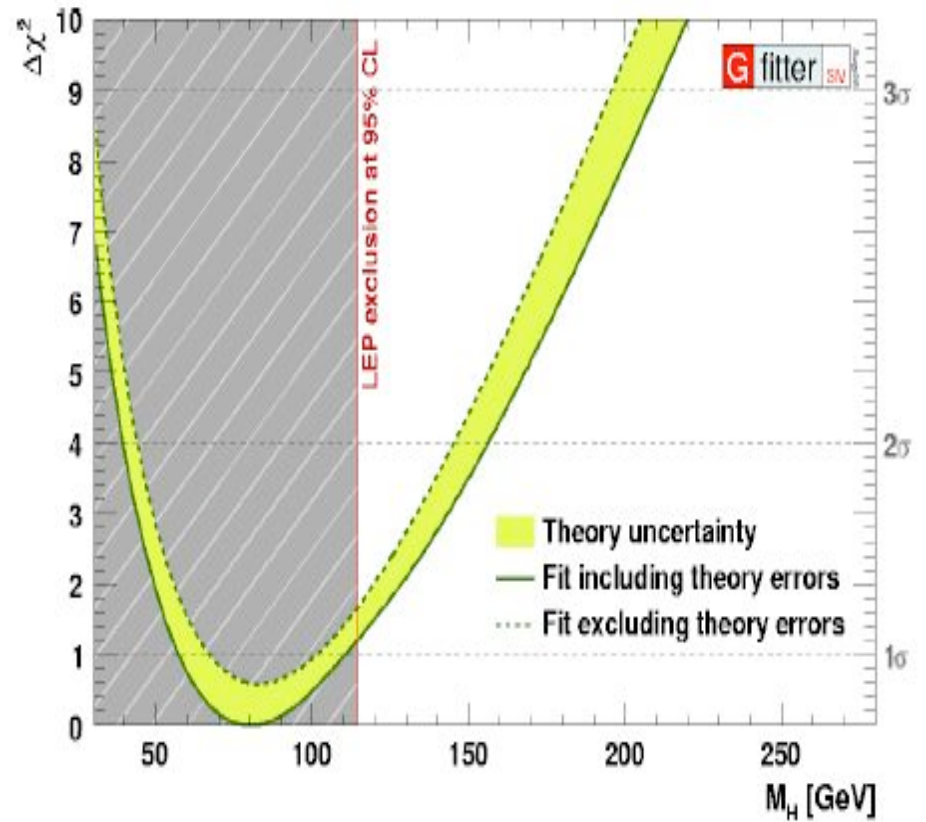
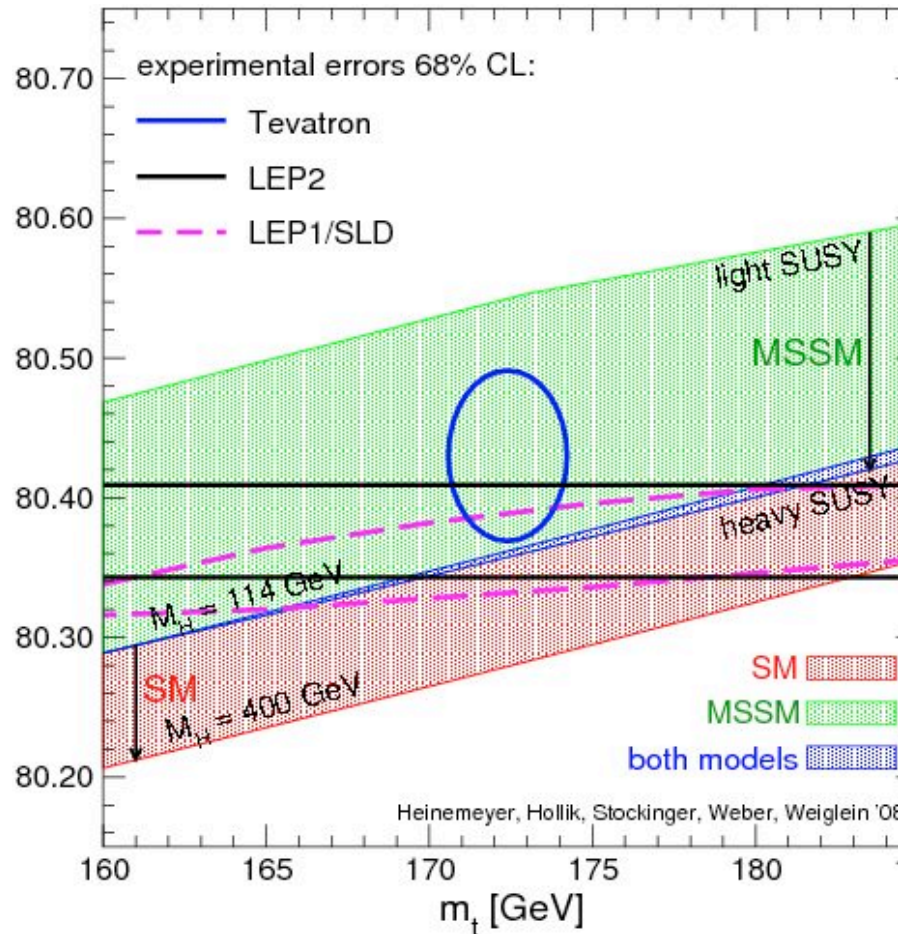




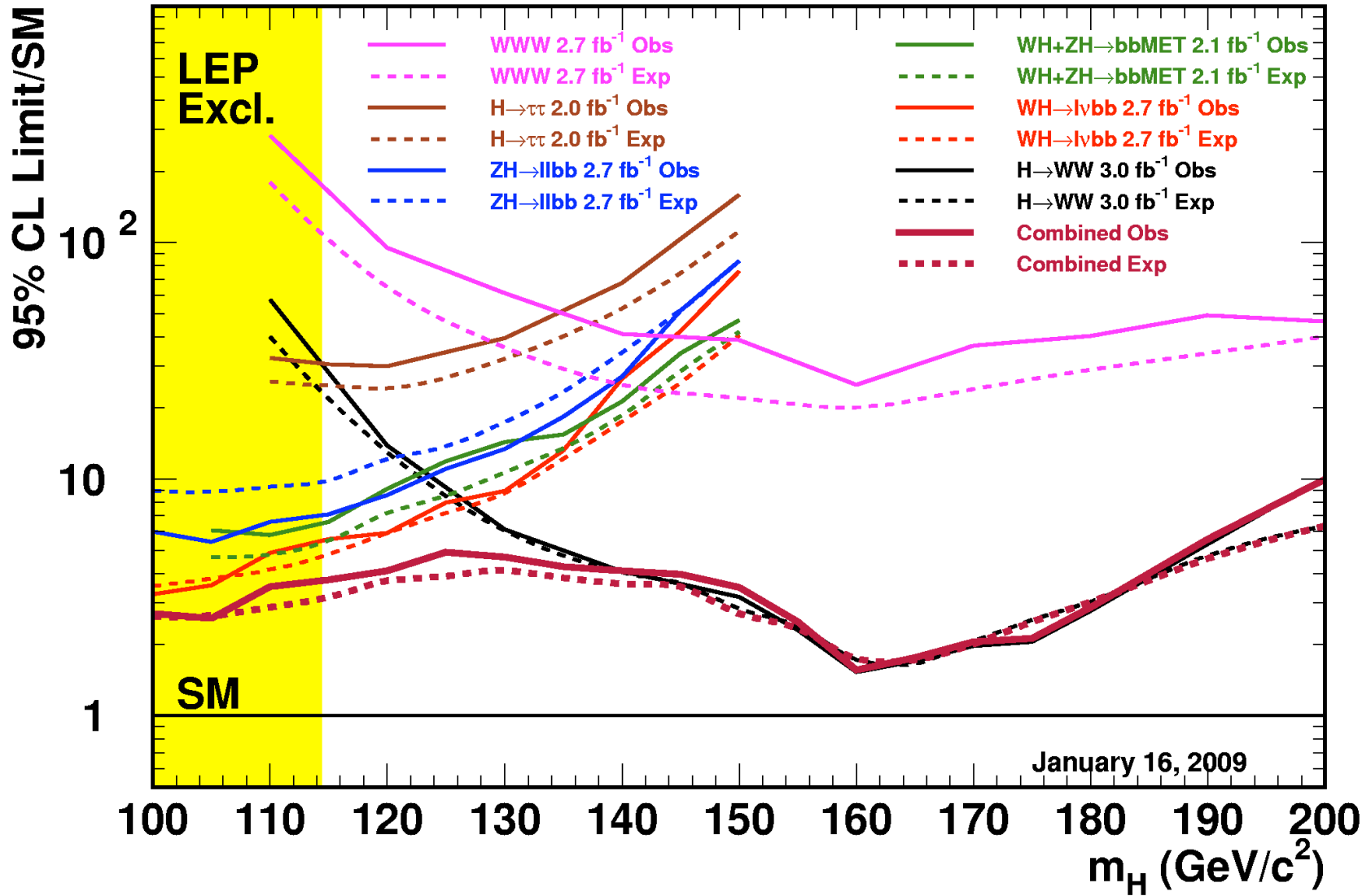
★ But the W mass also depends on the Higgs mass (albeit only logarithmically)



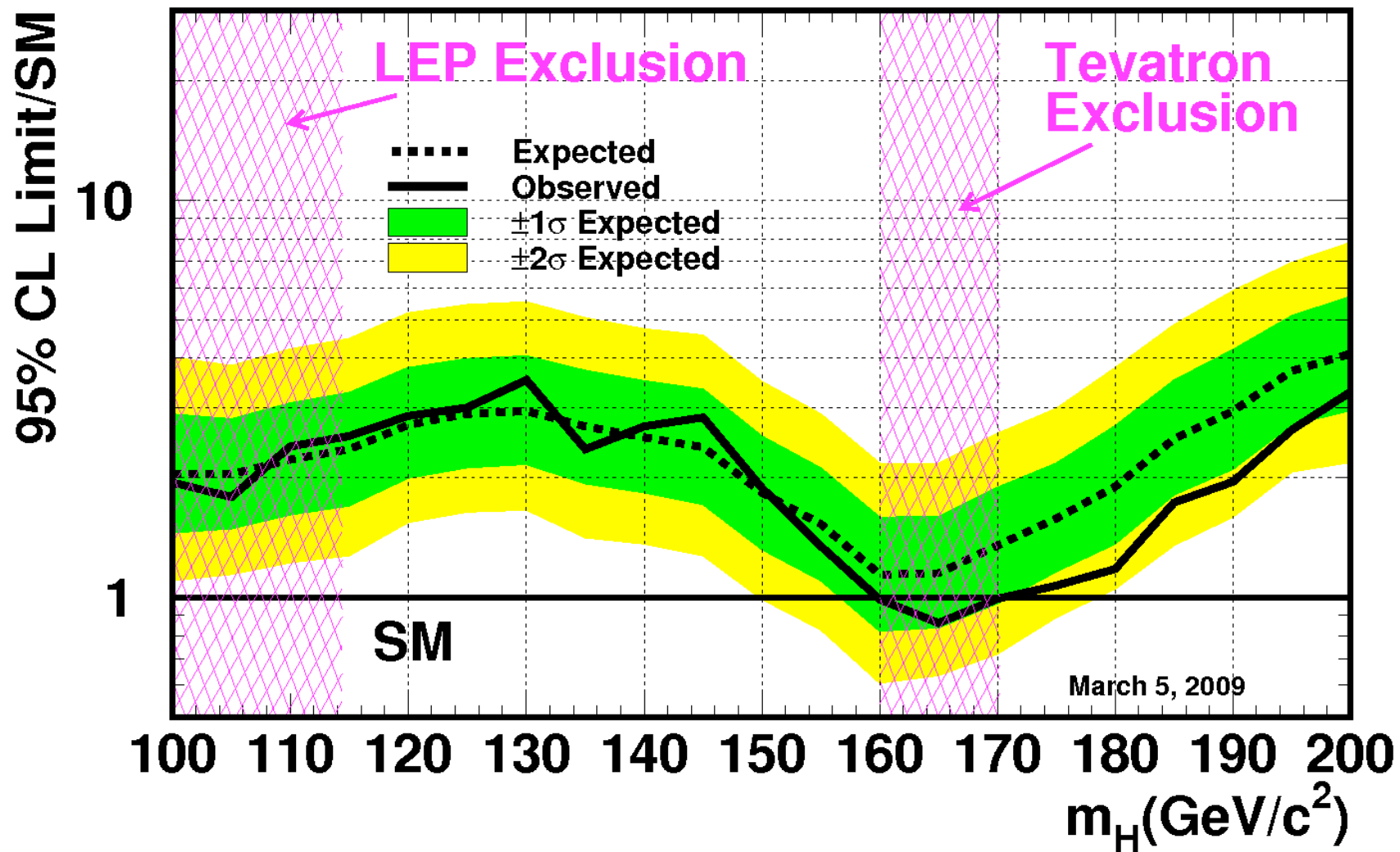
$$m_W = m_W^0 + am_t^2 + b \ln \left( \frac{m_H}{m_W} \right)$$



# CDF Run II Preliminary, L=2.0-3.0 fb<sup>-1</sup>



# Tevatron Run II Preliminary, L=0.9-4.2 fb<sup>-1</sup>



# Search for the Higgs Particle

Status as of March 2009

90% confidence  
95% confidence

Excluded by  
LEP Experiments  
95% confidence level

Excluded by  
Tevatron  
Experiments

Excluded by  
Indirect Me  
95% confidence

