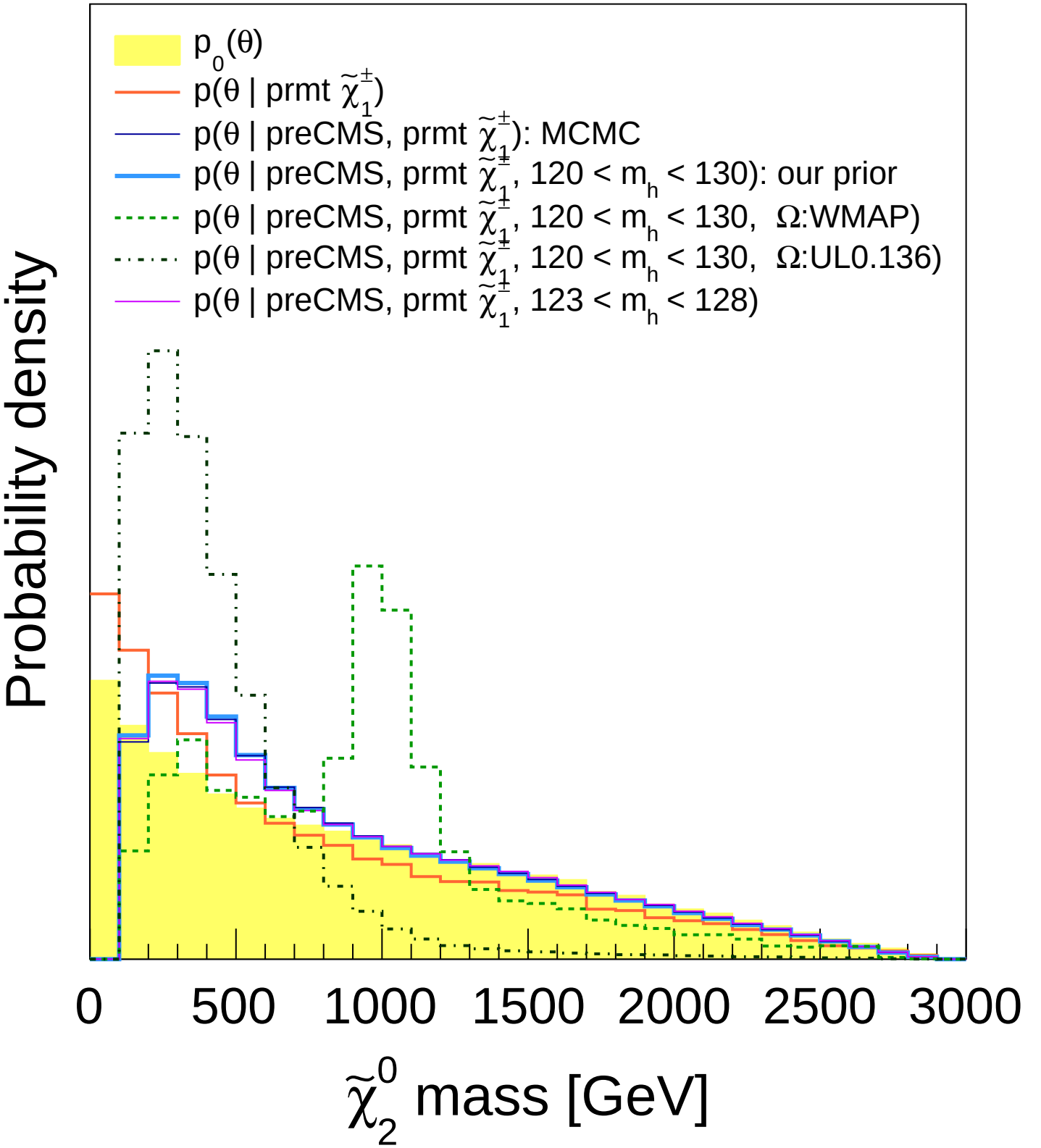
$p_0(\theta)$
$p(\theta \mid \text{prmt } \tilde{\chi}_1^{\pm})$
$p(\theta \mid \text{preCMS, prmt } \tilde{\chi}_1^{\pm})$: MCMC
$p(\theta \mid \text{preCMS, prmt } \tilde{\chi}_1^{\pm}, 120 < m_h < 130)$: our prior
$p(\theta \mid \text{preCMS, prmt } \tilde{\chi}_1^{\pm}, 120 < m_h < 130, \Omega\text{:WMAP})$
$p(\theta \mid \text{preCMS, prmt } \tilde{\chi}_1^{\pm}, 120 < m_h < 130, \Omega\text{:UL0.136})$
$p(\theta \mid \text{preCMS, prmt } \tilde{\chi}_1^{\pm}, 123 < m_h < 128)$
Probability density
0
500
1000
1500
2000
2500
3000
$\tilde{\chi}_2^0$ mass [GeV]