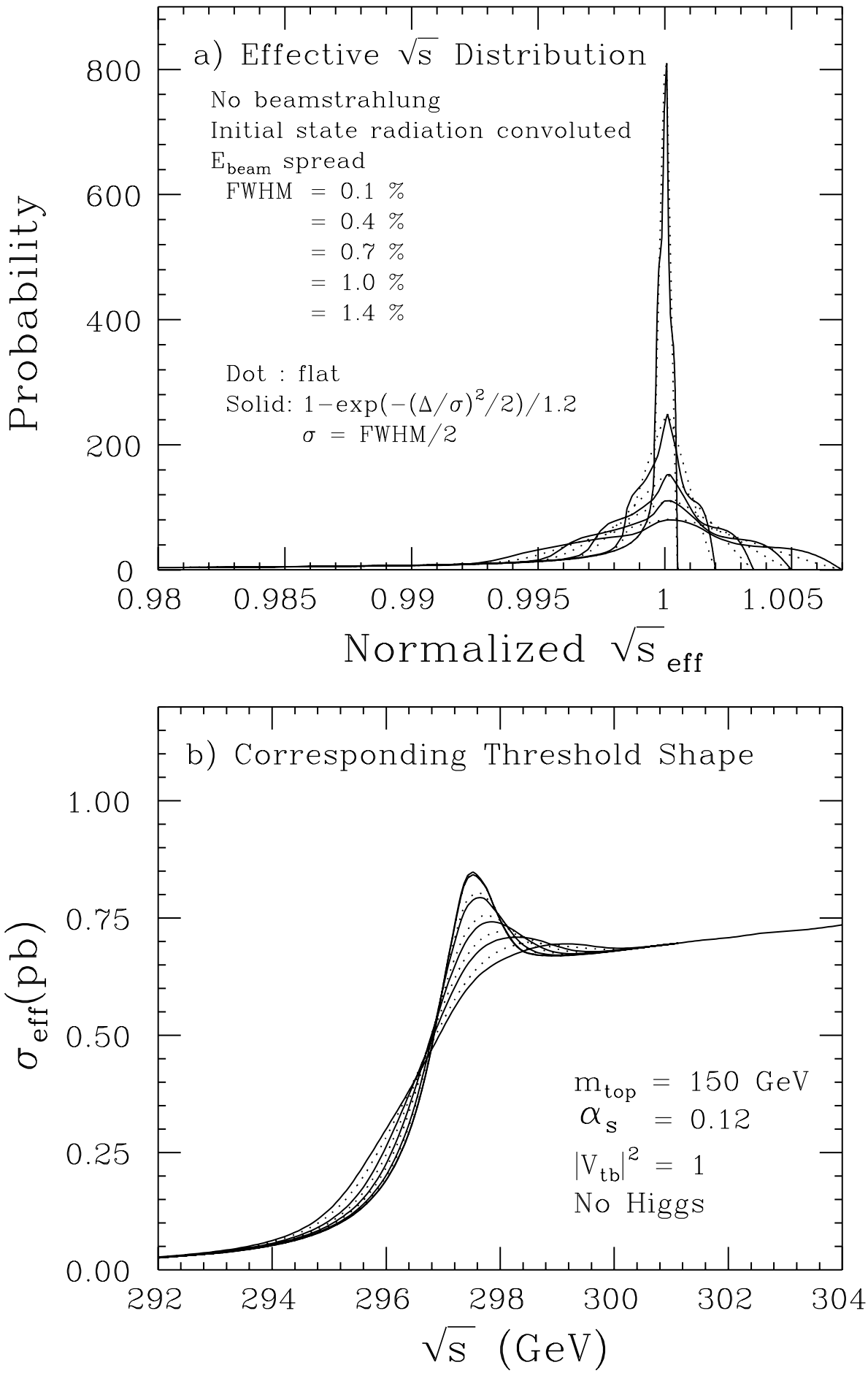
a) Effective $\sqrt{s}$ Distribution
No beamstrahlung
Initial state radiation convoluted
E_{beam} spread
FWHM = 0.1 %
= 0.4 %
= 0.7 %
= 1.0 %
= 1.4 %
Dot : flat
Solid: $1-\exp(-(\Delta/\sigma)^2/2)/1.2$
σ = FWHM/2
Probability
Normalized $\sqrt{s}_{eff}$
b) Corresponding Threshold Shape
σ_{eff}(pb)
$\sqrt{s}$ (GeV)
m_{top} = 150 GeV
α_s = 0.12
$|V_{tb}|^2$ = 1
No Higgs