CMS Simulation, private work Events (normalized) [a.u.] HH m=250, μ =247.3, $\sigma_{68\%}$ =29.7 HH m=280, μ =277.6, $\sigma_{68\%}$ =38.1 HH m=300, μ =295.8, $\sigma_{68\%}$ =40.7 HH m=700, μ =672.6, $\sigma_{68\%}$ =68.0 HH m=1750, μ =1743.6, $\sigma_{68\%}$ =198.8 HH m=3000, μ =2900.0, $\sigma_{68\%}$ =375.4 800.0 0.006 0.004 0.002 0.000 500 1000 1500 2000 2500 3000 3500 4000 m_{HH, reg} [GeV]