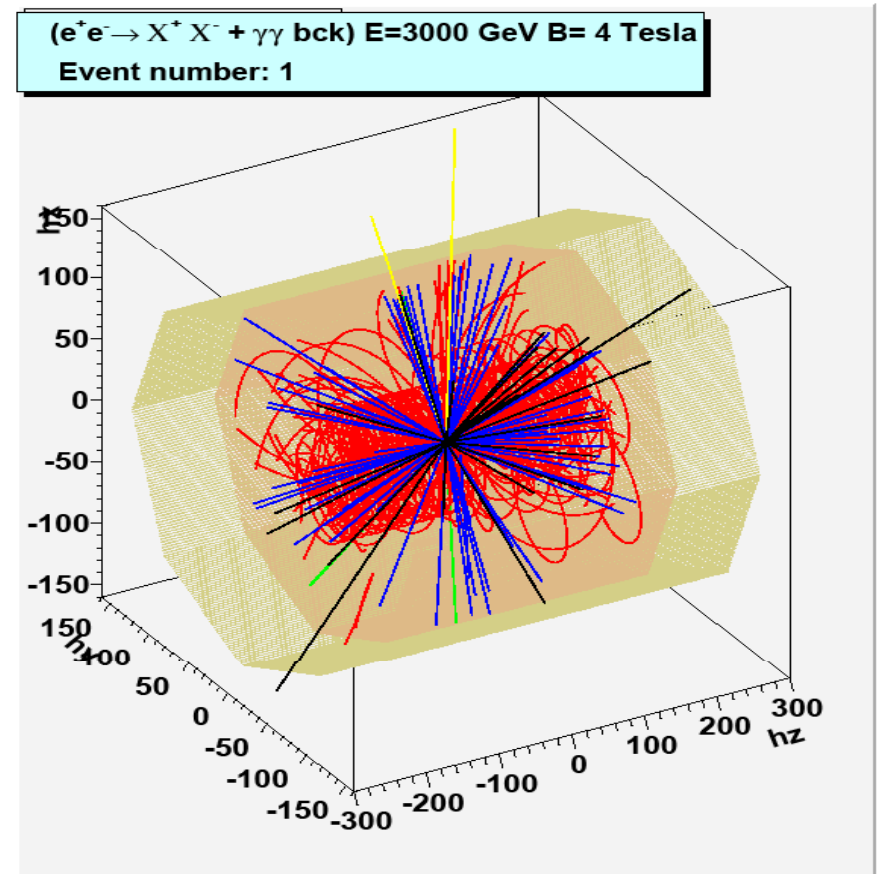
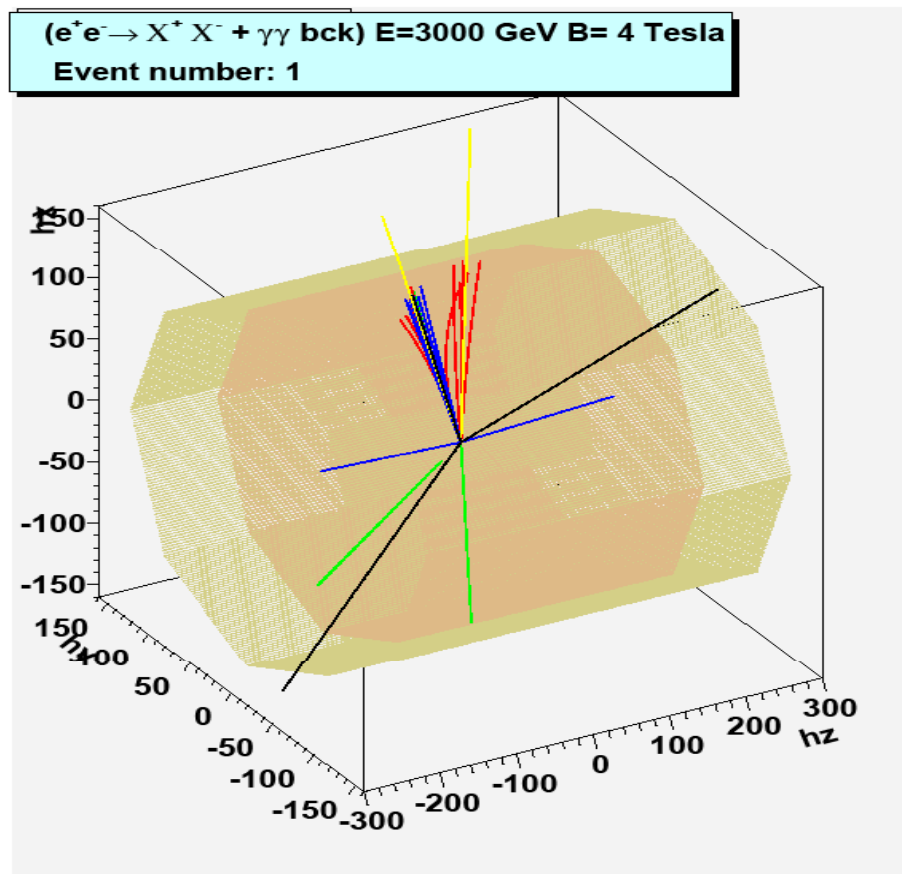
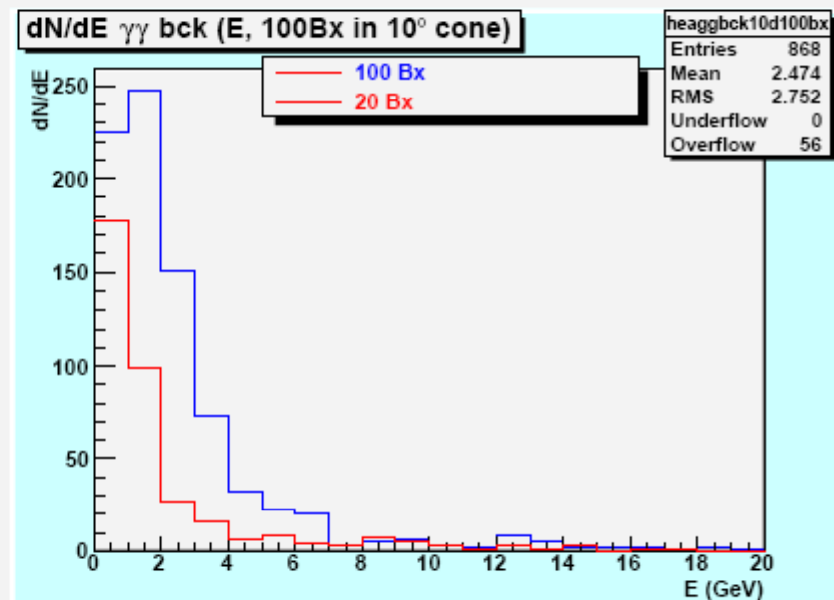
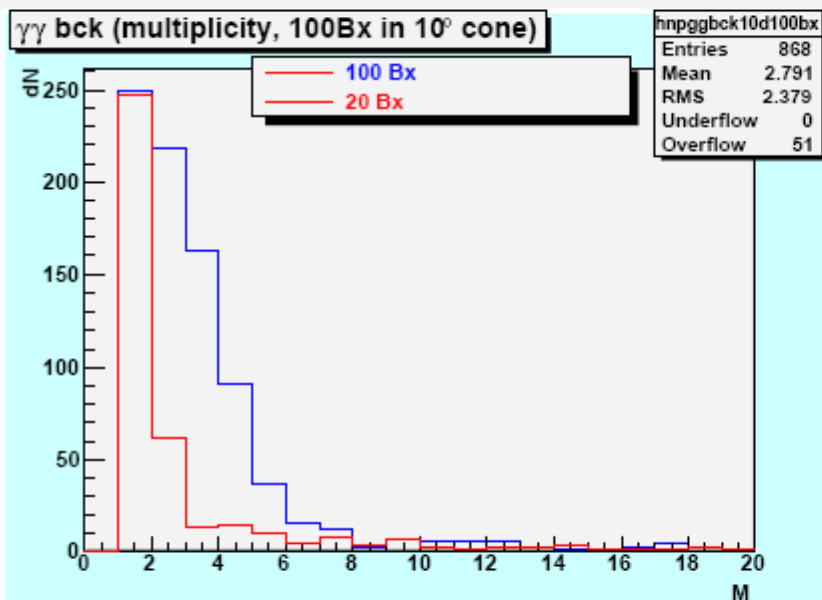
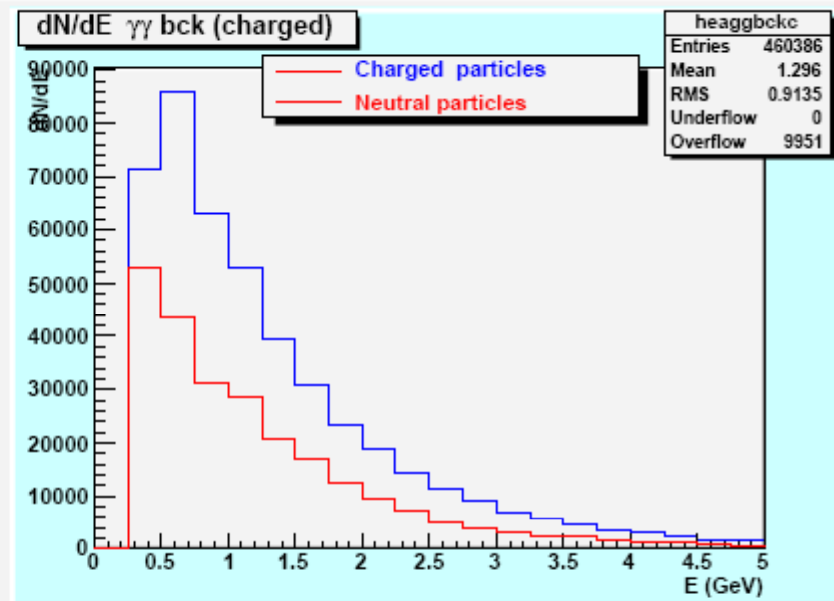
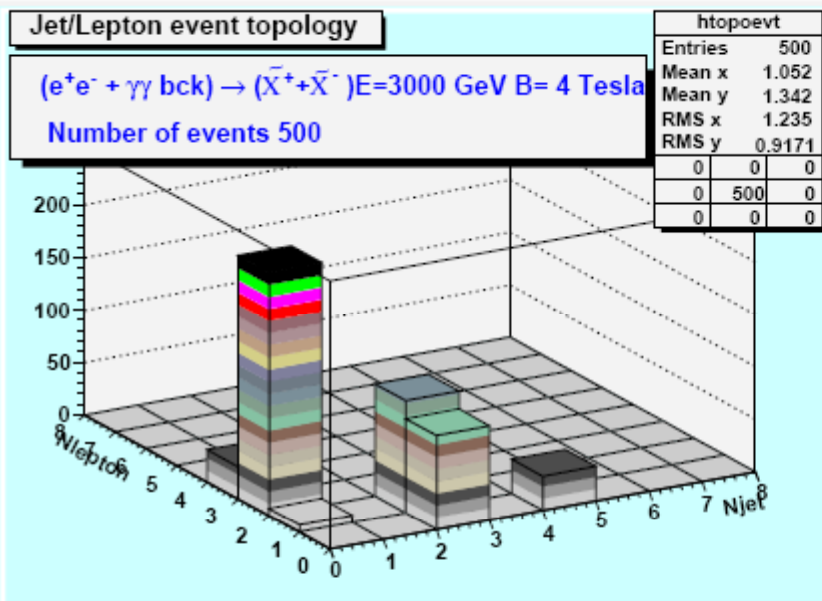


$e^+ + e^- \rightarrow \chi^+ + \chi^- \rightarrow \chi^0 + \chi^0 + \dots$
500 charginos events with ~ 150
bunch crossings of $\gamma \gamma$
background at 3 TeV

$$e^+ + e^- \rightarrow \chi^+ + \chi^- \rightarrow \chi^0 + \chi^0 + \dots$$

without/with 20 Bx of $\gamma\gamma$





Comments

The $\gamma \gamma$ background is composed of 2/3 charged and 1/3 neutral particles of very low energy, ~ 1 GeV.

The charged particles are trapped by the B field and only $\sim 1/4$ reach the ECAL.

In a cone of 10 deg around the direction of the missing energy (neutralino) the number of particles from $\gamma \gamma$ background is ~ 3 For 10 Bx. A time window of 10/20 ns would be ok.

The occupancy created by the $\gamma \gamma$ background requires additional Work, to understand the occupancy integrated over a full train; 312 Bx.