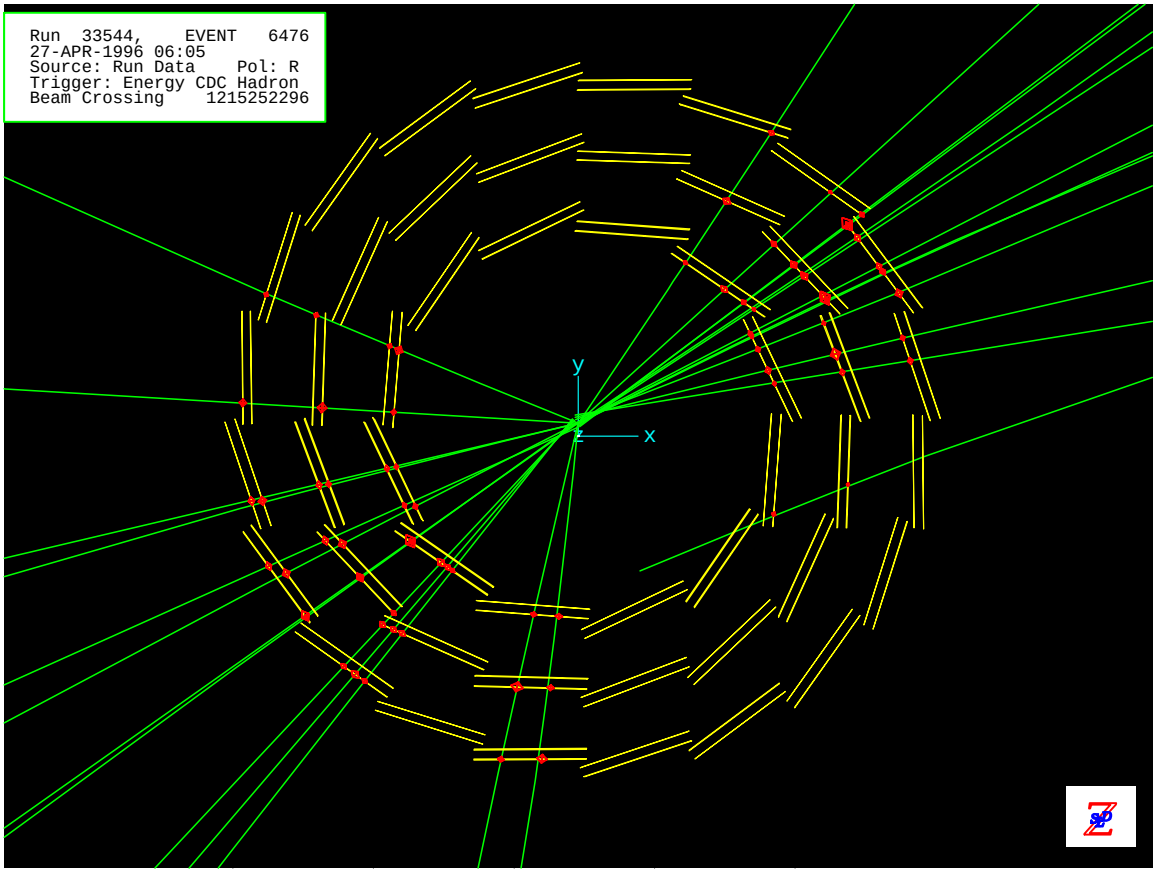
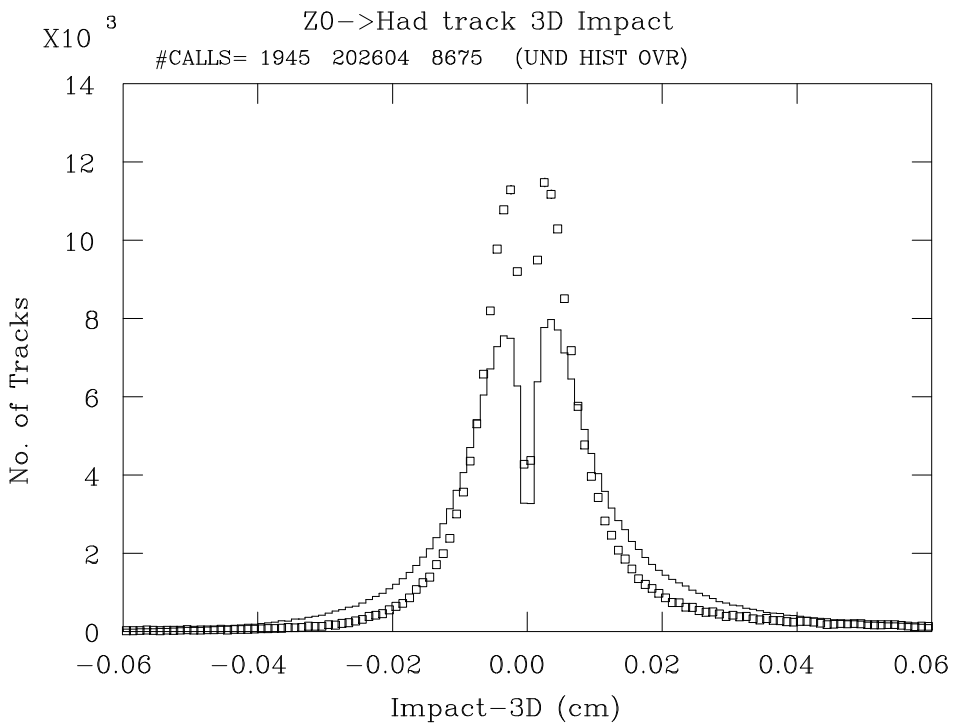
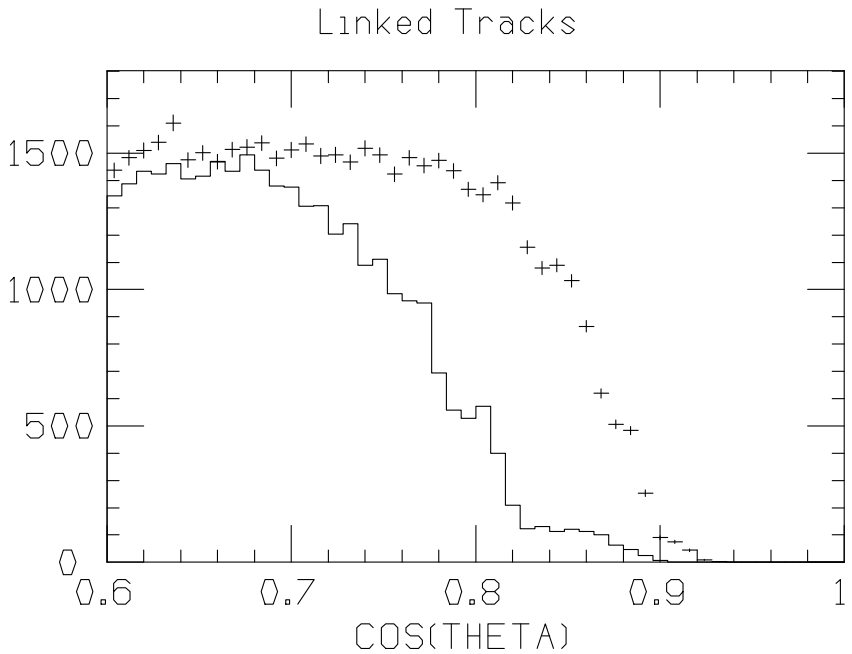
VXD3: NEW VERTEX DETECTOR



- Increased polar angle coverage
  $\Rightarrow \cos\theta \sim 0.72 \rightarrow 0.85$
- Better ϕ coverage
  $\Rightarrow$ $\sim$2.3 increases to $\sim$3.2 hits/track
- Less material
  $\Rightarrow$ L/L_R/Layer decreases from 1.1% to 0.5%
- Increased lever arm
  $\Rightarrow$ From 1.2 cm to 1.99 cm

VXD3/VXD2 COMPARISONS