

# Photon Runs

Medium Energy Gammas:

5 GeV e+

tagger magnet=24 kG-m

rate=30 pps

$\theta_z = 0^\circ$  (use Beamzilla text display for angle and position readouts)

The little pictures are looking down on the tower from above (ie: the TV view)

$\theta_y = 0^\circ$  ( $x_{\text{beamzilla}}=7.$ ,  $y_{\text{beamzilla}}=7.$ )

Run number = **333,334,336,337** Top layers' Si in this corner

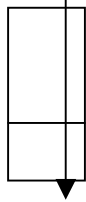
rad = 3%

e+/pulse = 1

time = 4 hours

Xtracker rear face = -7. cm

Ytracker rear face = -7. cm



$\theta_y = 0^\circ$  ( $x_{\text{beamzilla}}=7.$ ,  $y_{\text{beamzilla}}=7.$ ) (Radiator Target Out Run)

Run number = **338,339** Top layers' Si in this corner

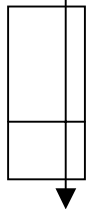
rad = 0%

e+/pulse = 1

time = 2 hours

Xtracker rear face = -7. cm

Ytracker rear face = -7. cm



$\theta_y = +30^\circ$  (change  $x_{\text{beamzilla}}$ ,  $y_{\text{beamzilla}}=7.$ )

Run number = **340,341,342,343,344**

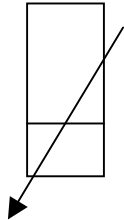
rad = 3%

e+/pulse = 1

time = 4 hours

Xtracker rear face = 0. cm

Ytracker rear face = -7. cm



$\theta_y = +60^\circ$  (change  $x_{\text{beamzilla}}$ ,  $y_{\text{beamzilla}}=7.$ )

Run number = **345,346,347,348,349**

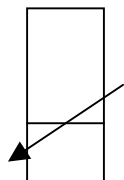
rad = 3%

e+/pulse = 1

time = 4 hours

Xtracker rear face = 0. cm

Ytracker rear face = -7. cm



# “Twisted Photon Runs” $\theta_z = -45^\circ$

- Rotate and rebolt beamzilla (right hand rule, thumb along +z).
- Change  $\theta_z$  in disp\_beamzilla.f and recompile
- Twist the tower at 8:00 AM Thursday 12/23/99

**Medium energy gammas at a diagonal angle ( $y_{\text{beamzilla}}=0.$  , change  $x_{\text{beamzilla}}$  , change  $\theta_y$ )**

**5 GeV e+**  
**tagger magnet=24 kG-m**  
**rate= 30 pps**

Run number = **no runs**

rad = 3%

e+/pulse = 1

time = 4 hours

$X_{\text{tracker front face}} = -16.$  cm

$Y_{\text{tracker front face}} = -16.$  cm



$X_{\text{calorimeter rear face}} = +16.$  cm

$Y_{\text{calorimeter rear face}} = +16.$  cm

Run number = **no runs**

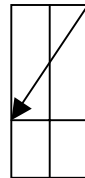
rad = 3%

e+/pulse = 1

time = 4 hours

$X_{\text{tracker front face}} = -16.$  cm

$Y_{\text{tracker front face}} = -16.$  cm



$X_{\text{tracker rear face}} = +16.$  cm

$Y_{\text{tracker rear face}} = +16.$  cm