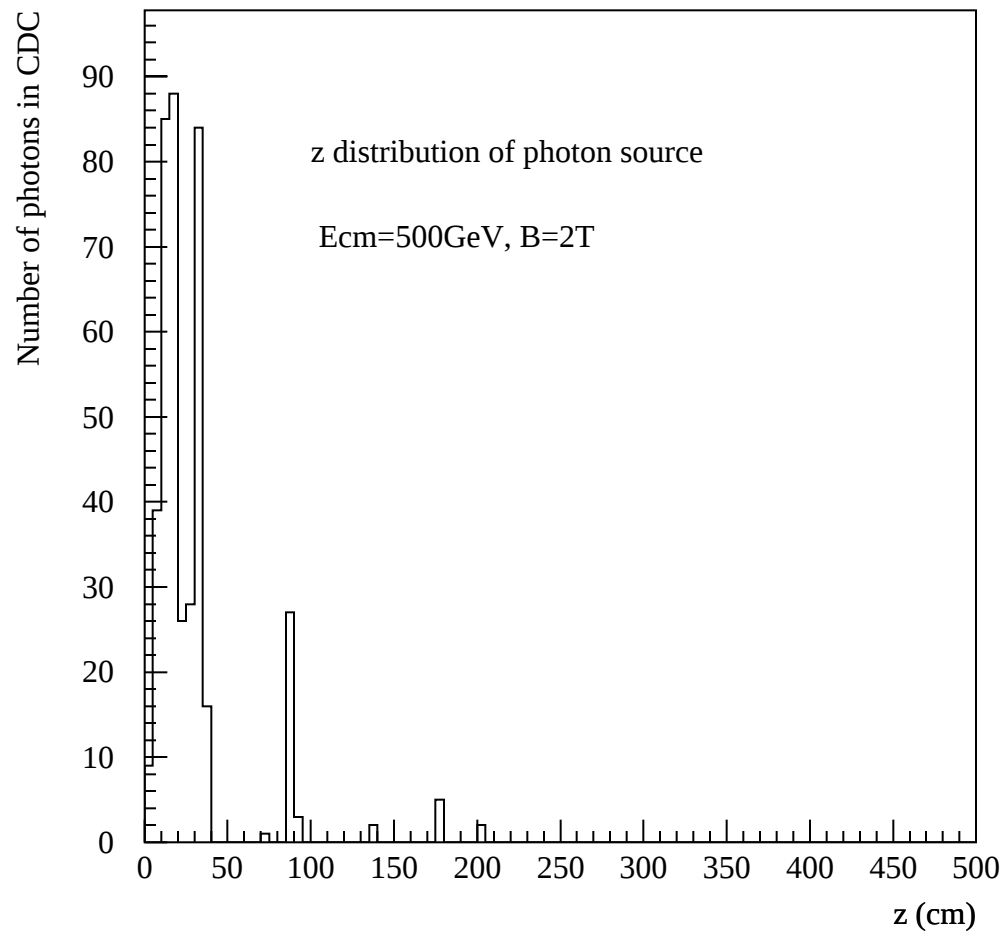


Beam background related issues

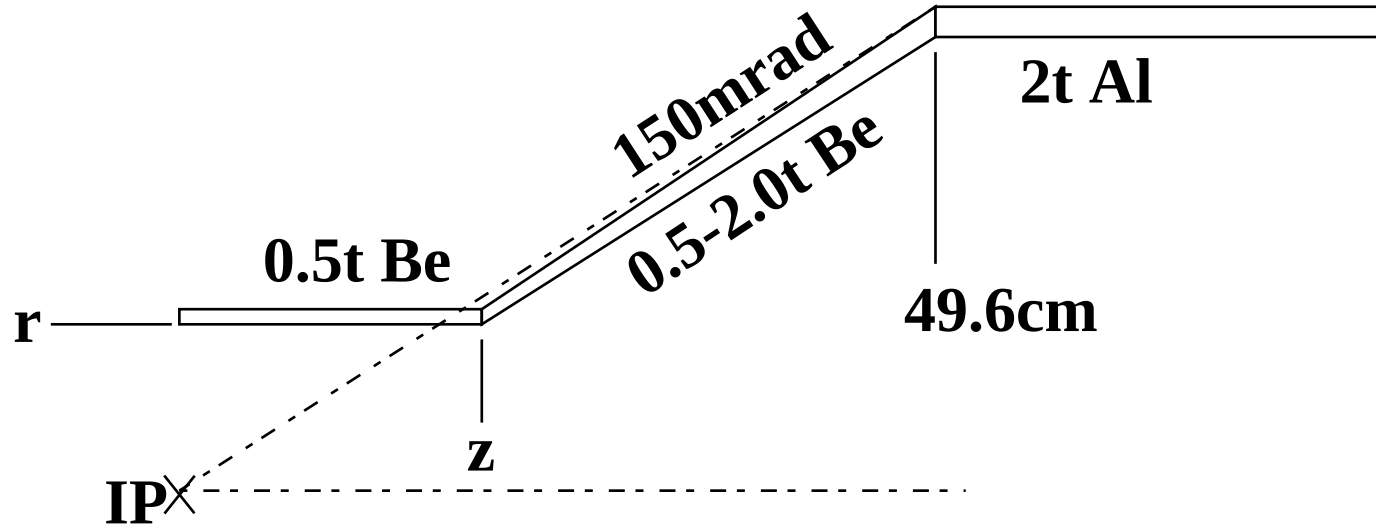
2000/10/18

Y. Sugimoto

- Beampipe shape & CDC background hits
- Profile Monitor @z=4 m
- Things to be presented at LCWS2k

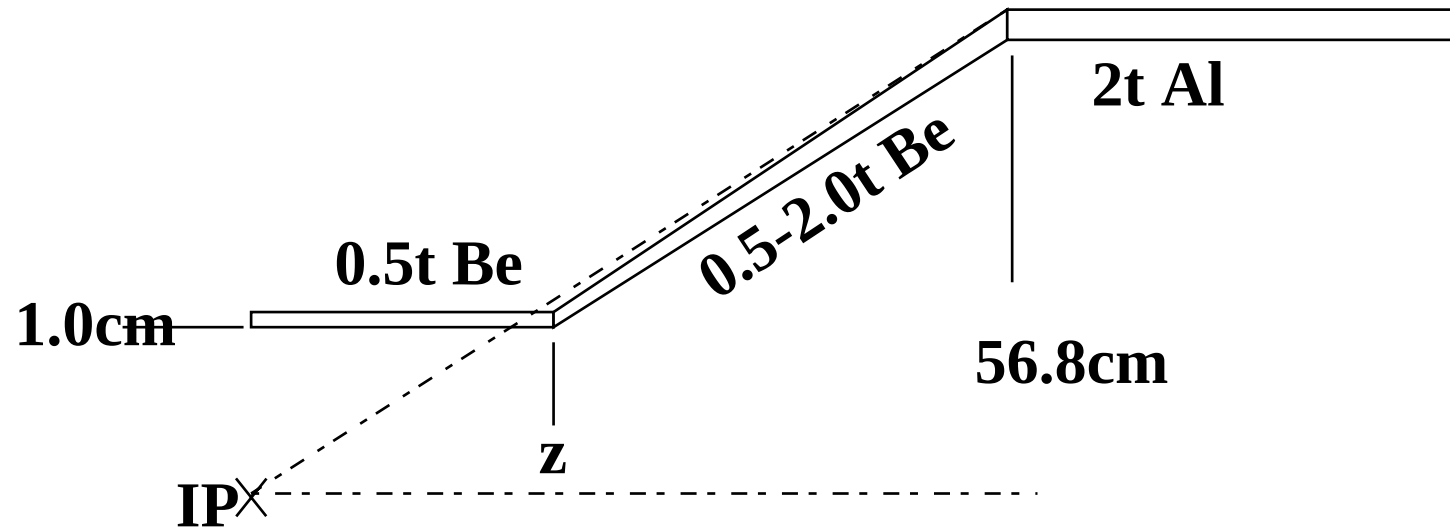


Beampipe shape & CDC background hits (B=3T)



r(cm)	z(cm)	# of γ going into CDC/BX
1.8	13.2	2
1.6	11.9	16
1.4	10.6	38
1.2	9.3	97
1.0	7.9	135

Beampipe shape & CDC background hits



z(cm) # of γ going into CDC/BX

7.94 163

6.0 119

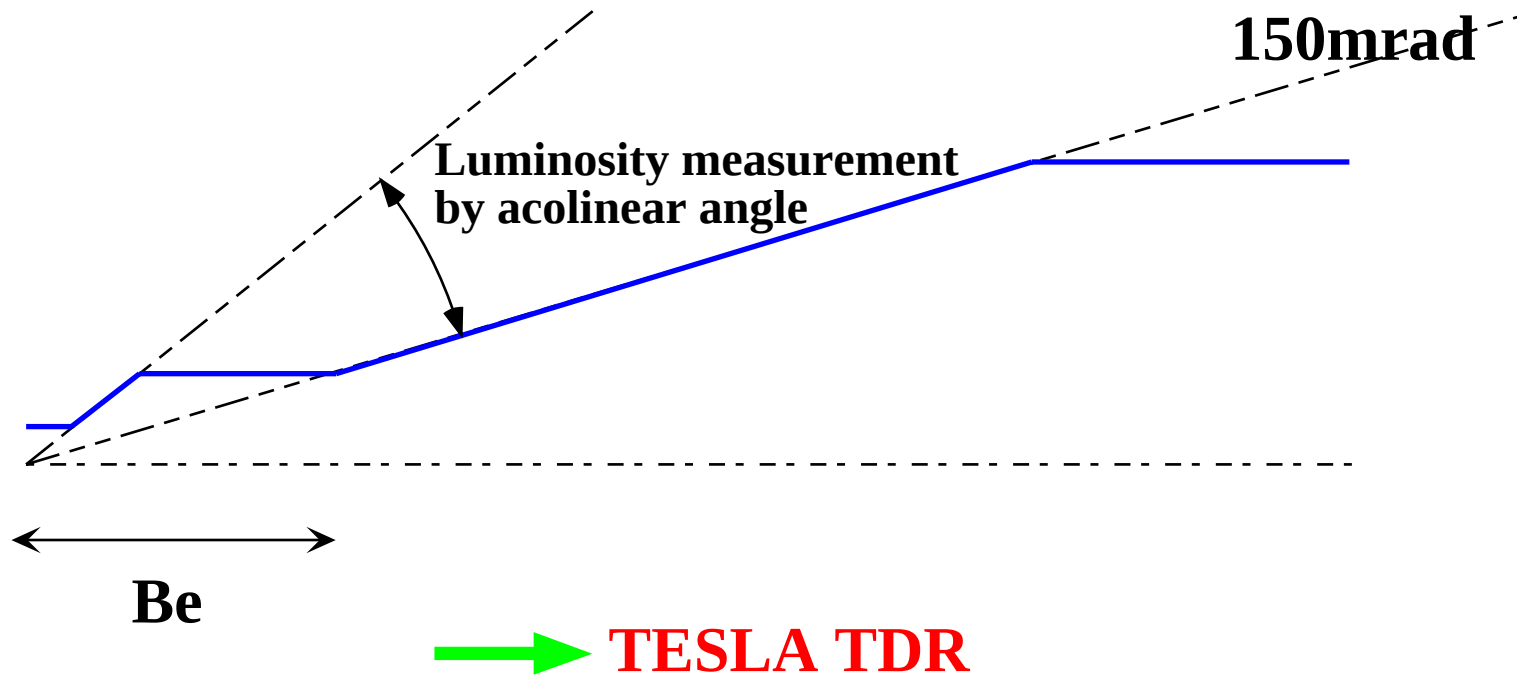
4.0 46

3.0 18

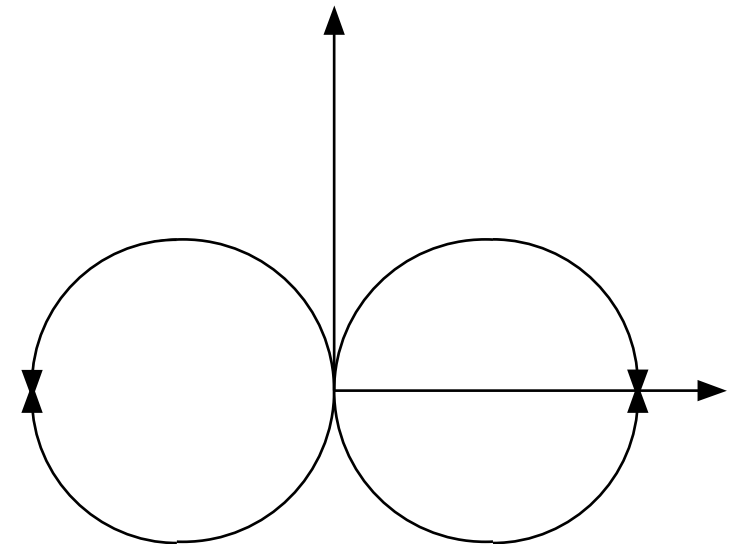
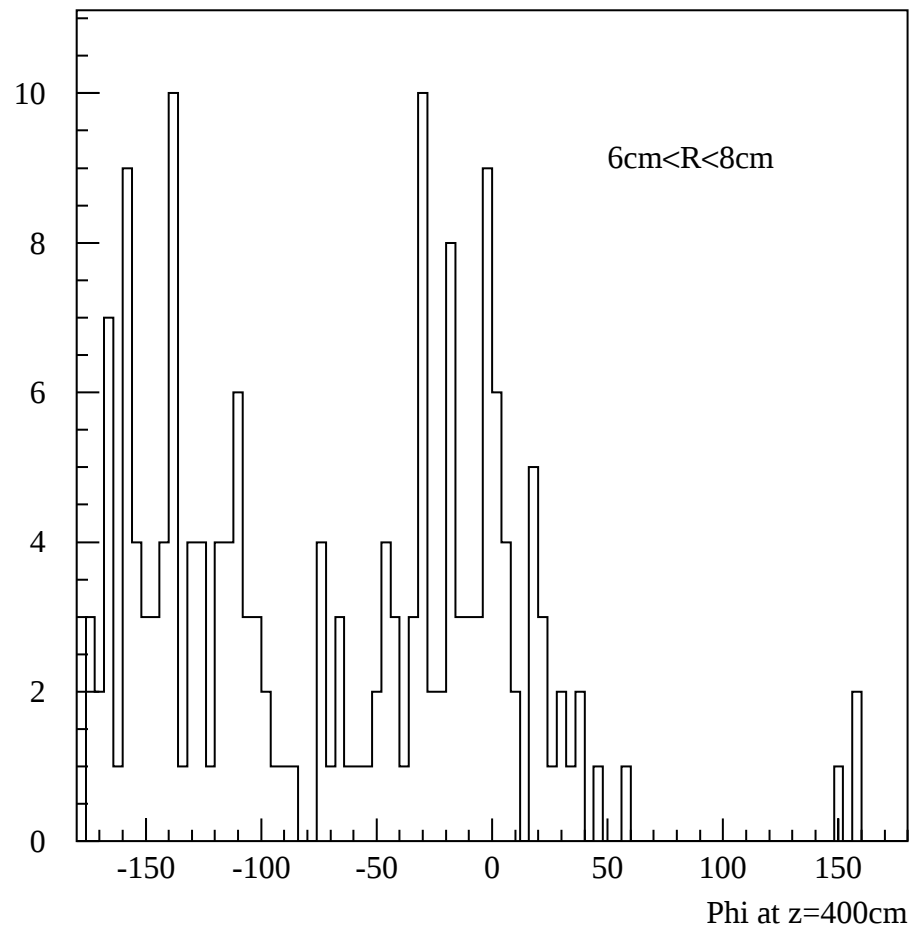
2.0 12

**R=1.0cm beam pipe is OK.
CCD Radiation hardness
determines the minimum
radius.**

Possible Beam Pipe Shape



Profile Monitor @z=4 m



**R max at $\phi=0,180^\circ$
independent of Z**