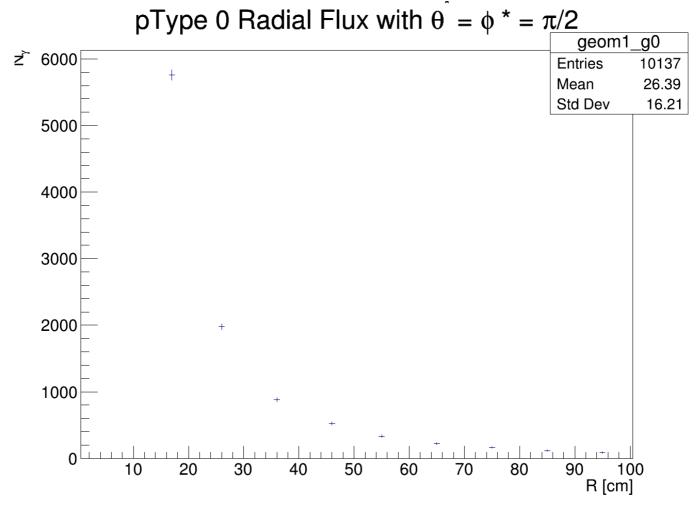
PC update 3-11-21 (γ flux)

- studied flux again with new cube method
- · compared results

Cube method:

- place a cube of volume V in the detector
- compute intersection of cube planes with photon parametric line
- check if intersection falls within cube
 - o require photon momentum and vector to cube center dot product to be positive
 - o require photon R_origin to be less than R_cube
 - require photon R_end to be after R_cube

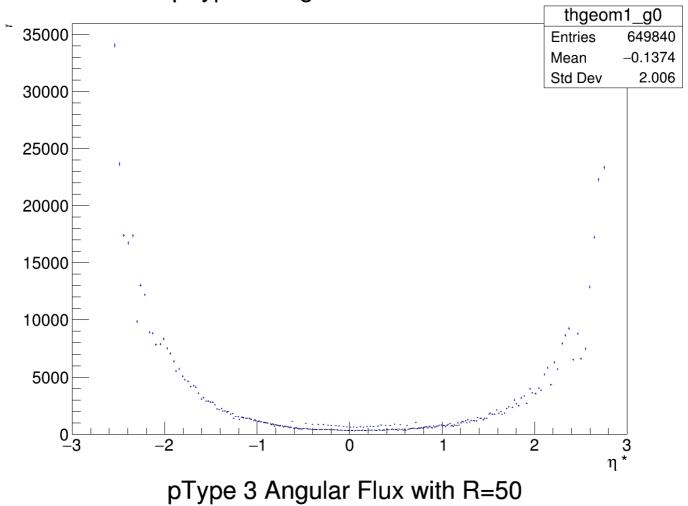
Cube with 5cm lengths, at R [10 -100] cm at $heta^* = \phi^* = \pi/2$

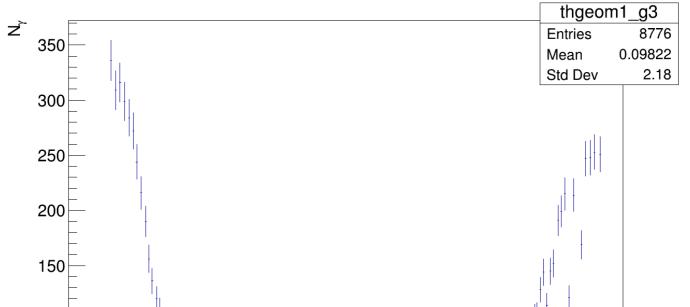


- There are only 2 instances ptype 3 that occuring at these angles
- ptype 201 is same shape, lower stats

Cube varying θ in .1 steps

pType 0 Angular Flux with R=50





3 η*

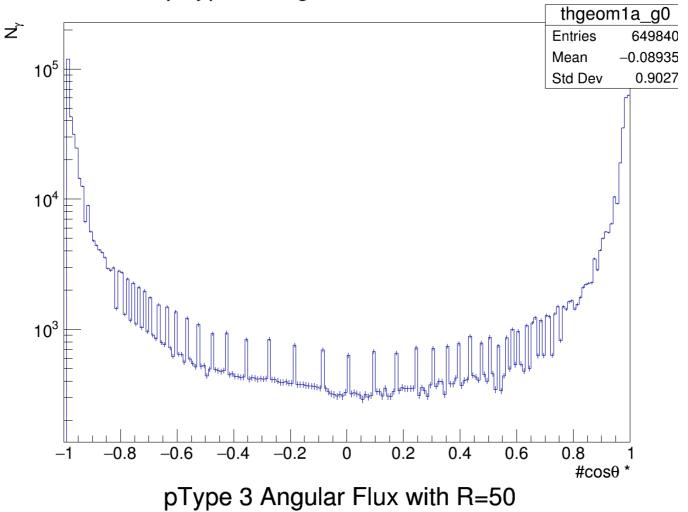
100

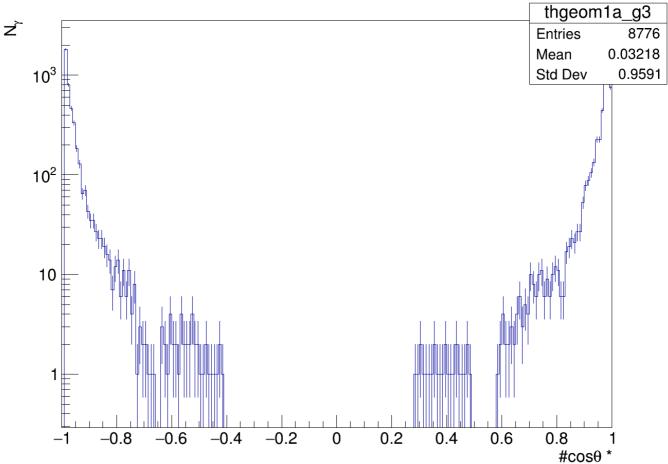
50

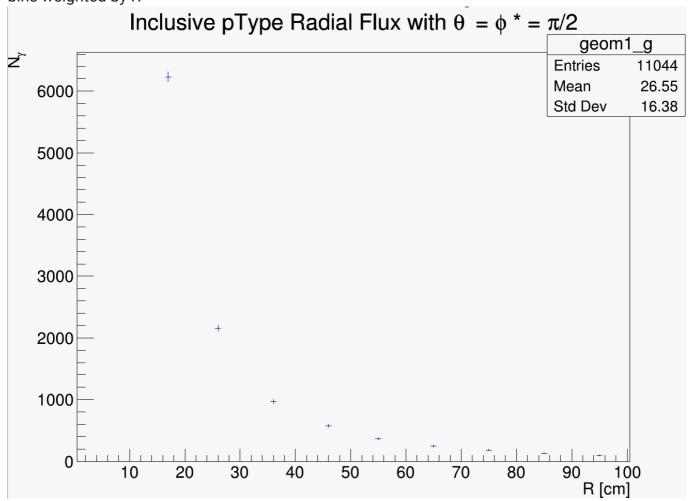
0_3

-2

pType 0 Angular Flux with R=50







Inclusive pType Angular Flux with R=50

