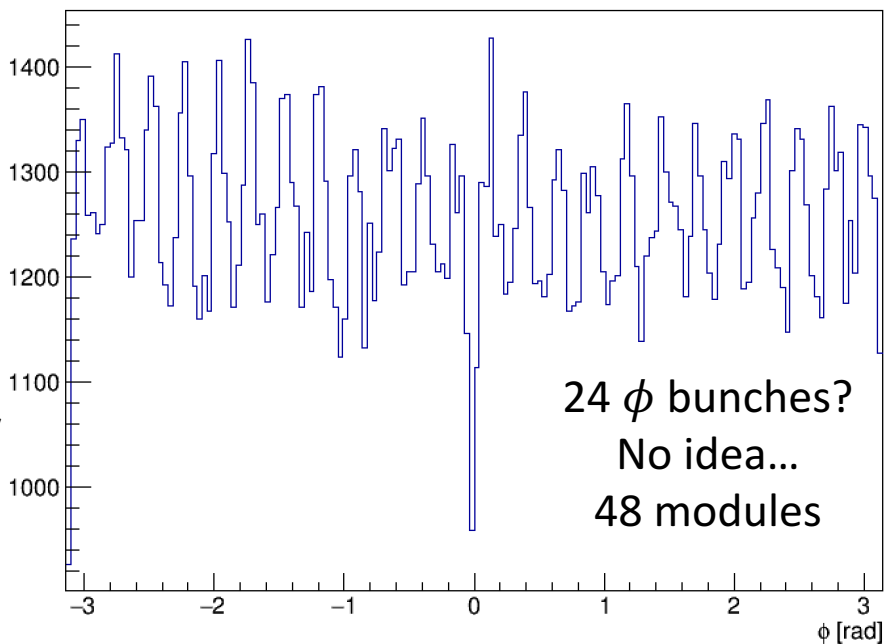


Signal Monte Carlo  
Run 10000, variation=mc

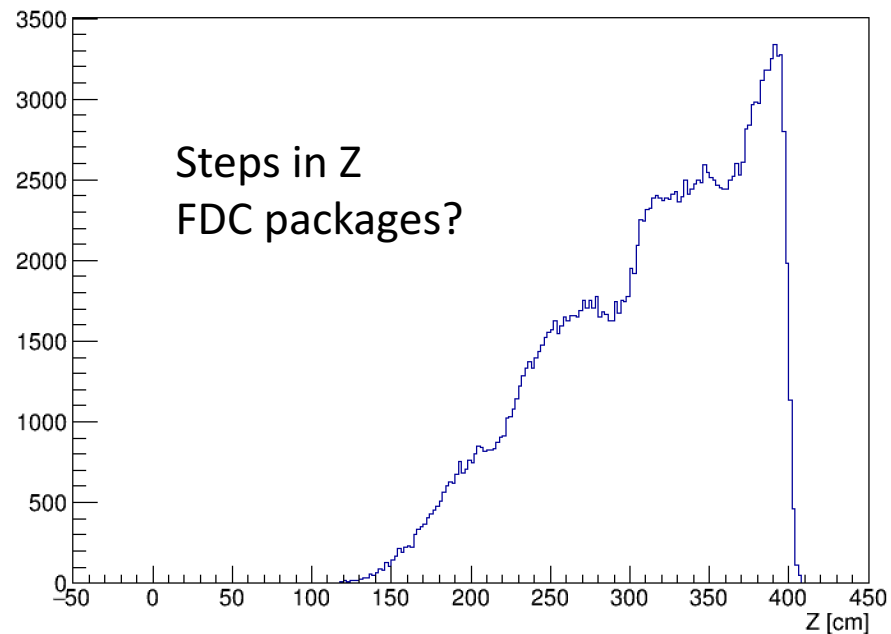
BCAL Shower positions for  $\omega \rightarrow 3\pi$  events  
passing loose cuts.

$\phi$  Vs. Z

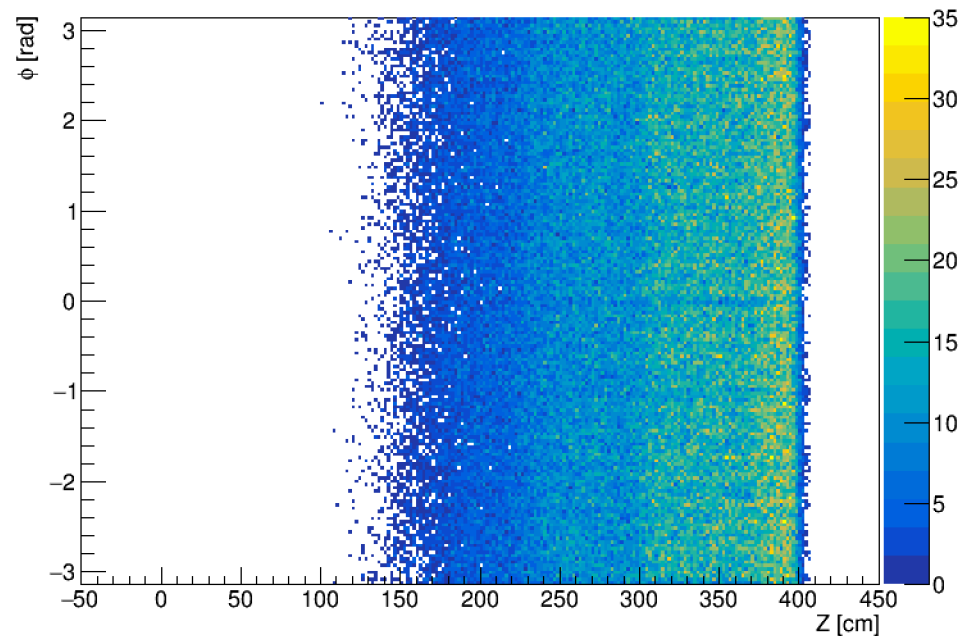
BCAL Shower Position



BCAL Shower Position

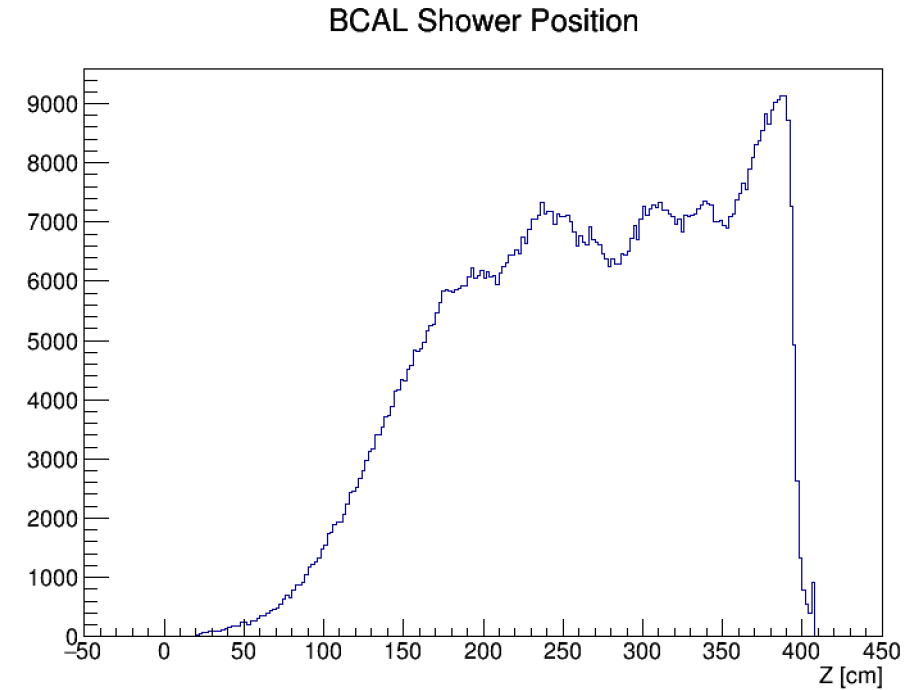


BCAL Shower Position

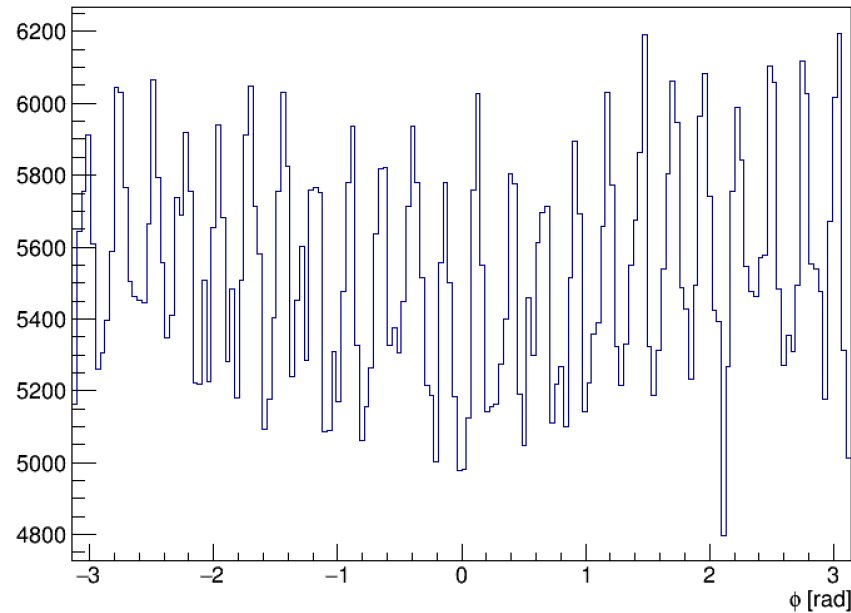


Spring 2016 Golden Run  
PARA + PERP

BCAL Shower positions for  $\omega \rightarrow 3\pi$  events  
passing loose cuts (but still fairly pure).



BCAL Shower Position

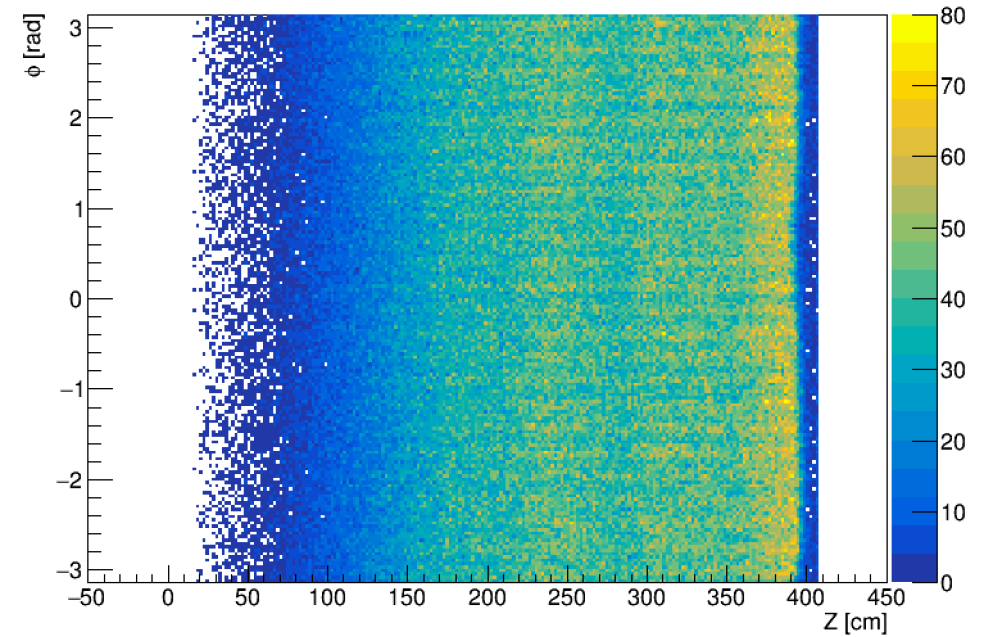


Same spike structure

Apparent phi  
dependence could  
be physics, or could  
be some problem.

Doesn't show up in  
FCAL though? See  
slides 4,5.

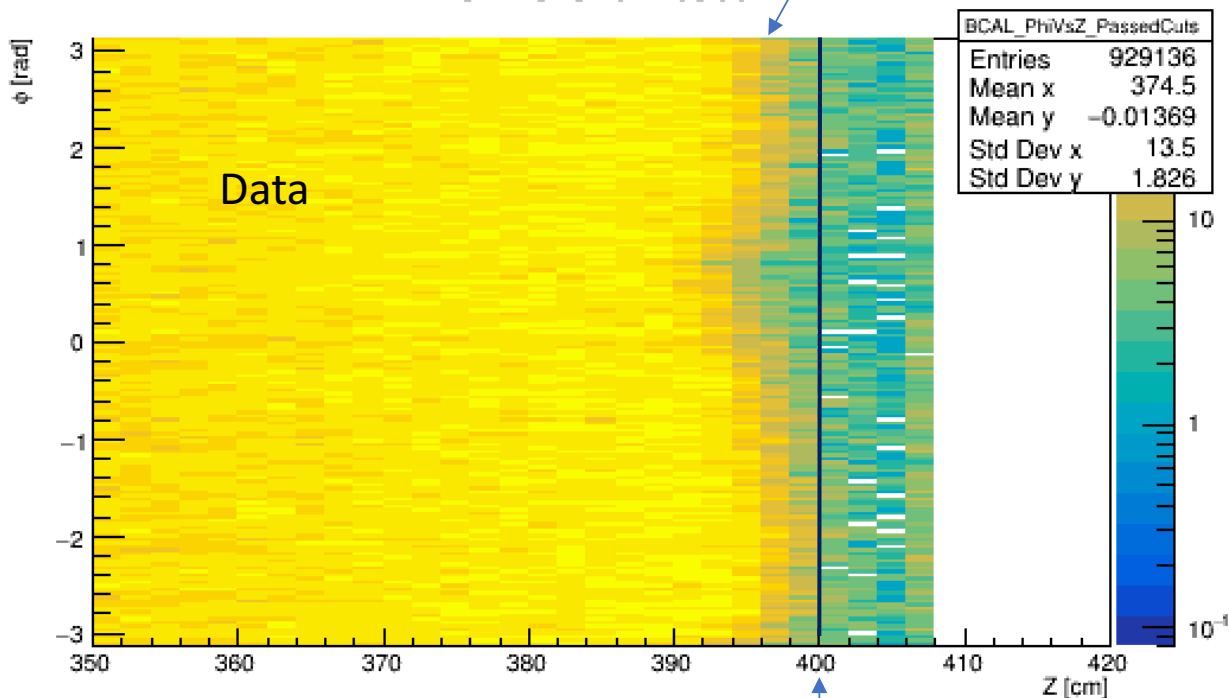
BCAL Shower Position



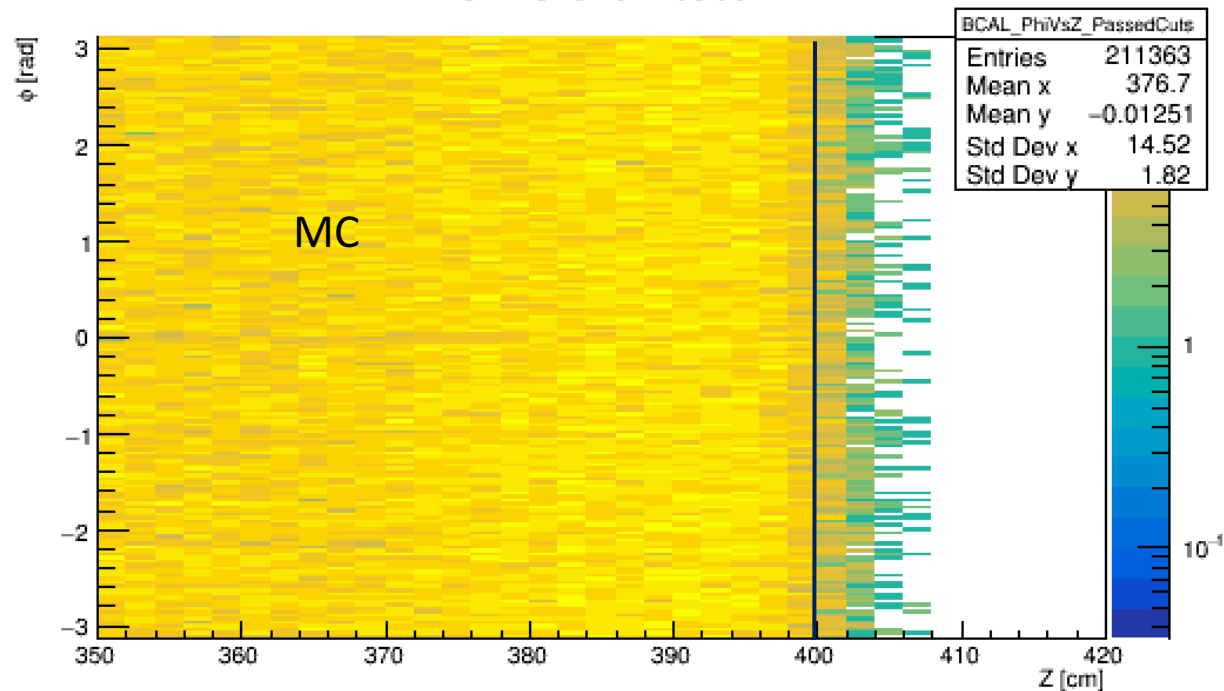
Zooming in on the downstream end...

Calibration issue? Could have ~4 cm position bias in the data?

BCAL Shower Position



BCAL Shower Position



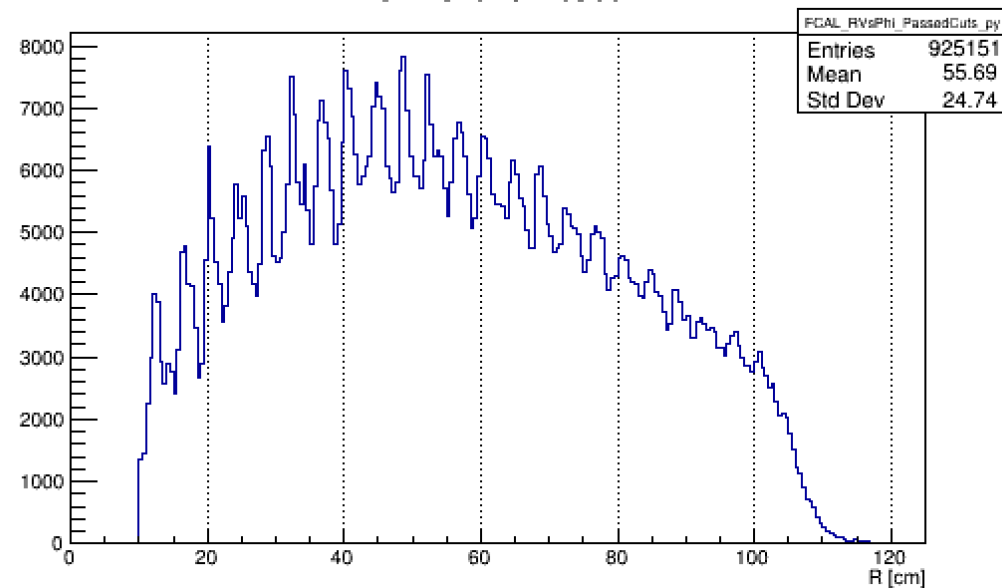
Wrong endpoint or just difficult to reconstruct near the end?

Signal Monte Carlo  
Run 10000, variation=mc

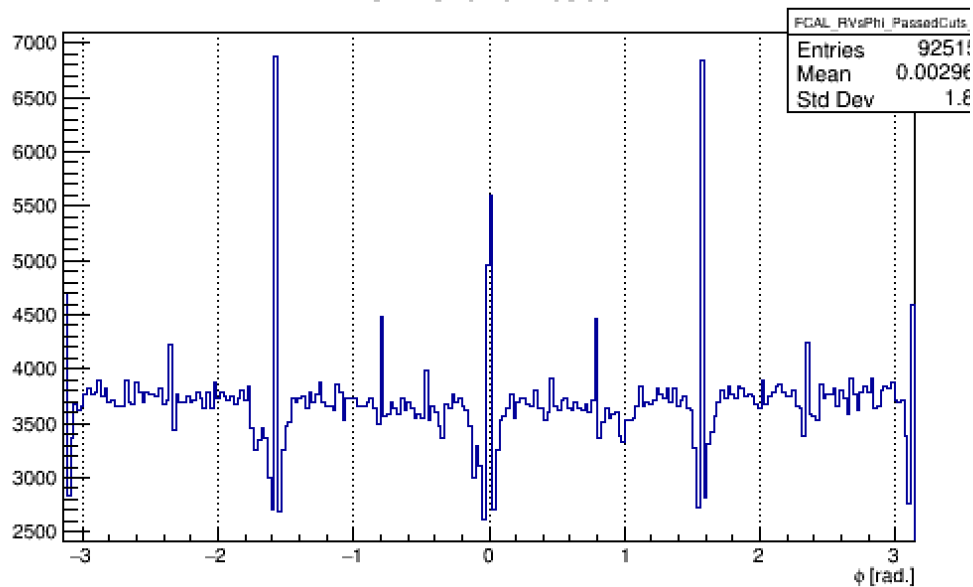
FCAL Shower positions for  $\omega \rightarrow 3\pi$  events  
passing loose cuts.

R Vs.  $\phi$

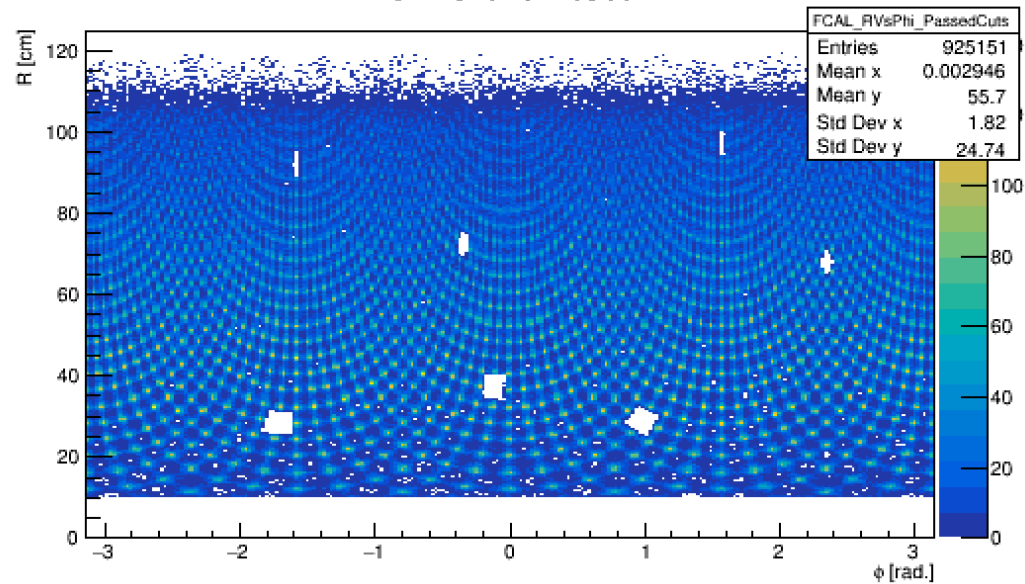
FCAL Shower Position



FCAL Shower Position



FCAL Shower Position

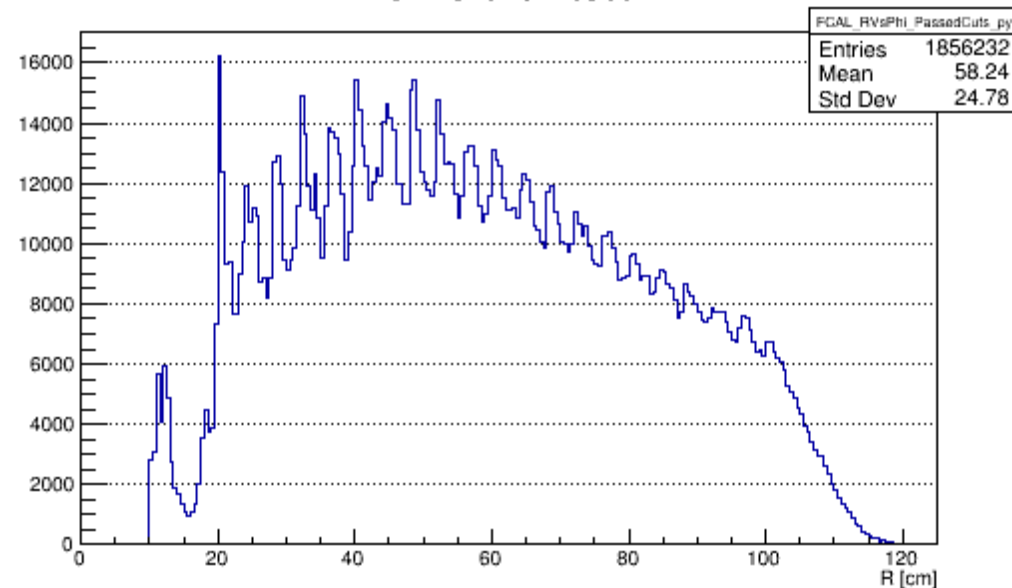


Spring 2016 Golden Run  
PARA + PERP

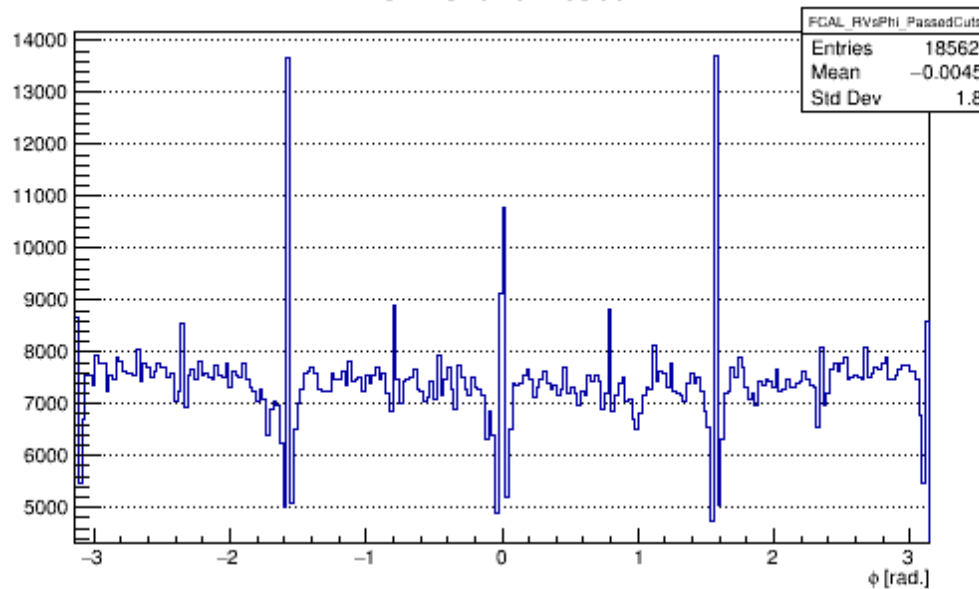
FCAL Shower positions for  $\omega \rightarrow 3\pi$  events  
passing loose cuts (but still fairly pure).

R Vs.  $\phi$

FCAL Shower Position



FCAL Shower Position



FCAL Shower Position

