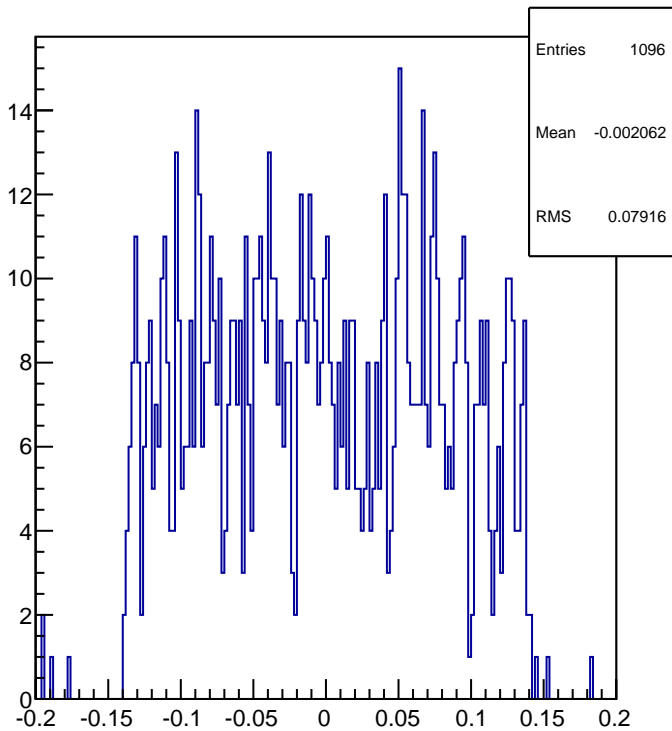


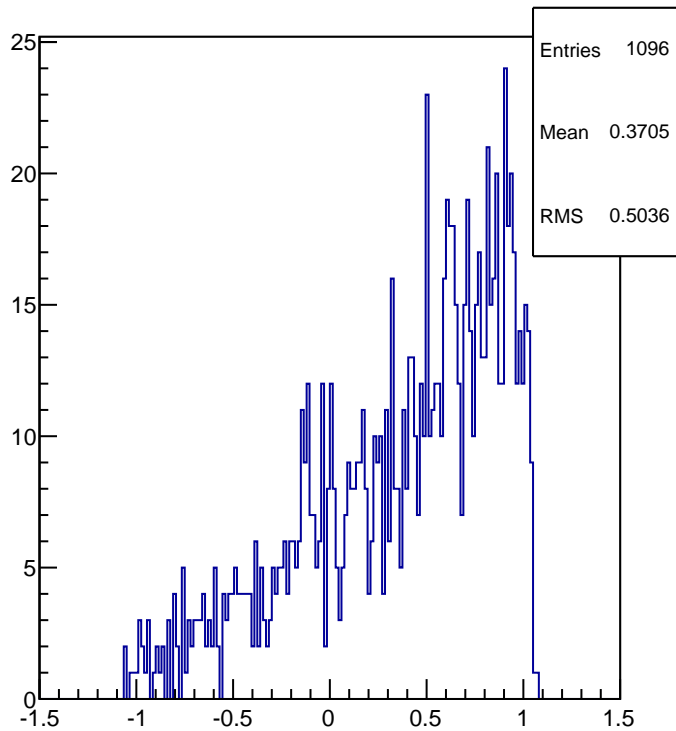
# Run #21982

## FP Variables (Detector Coord.)

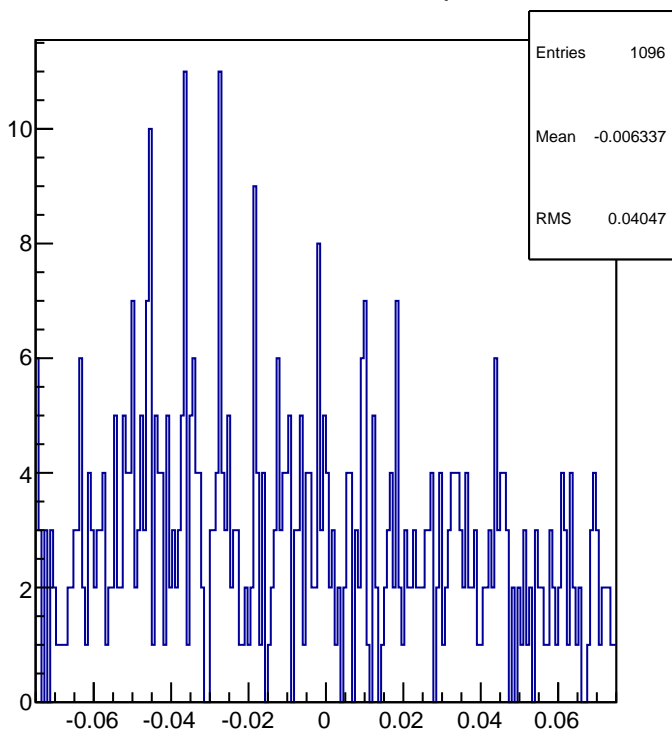
### R-arm FP Detector y



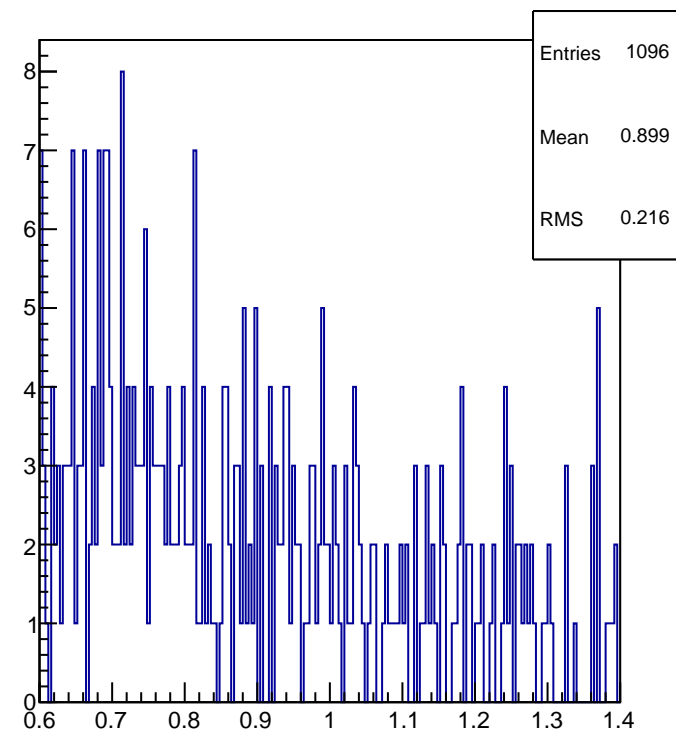
### R-arm FP Detector x



### R-arm FP Detector phi



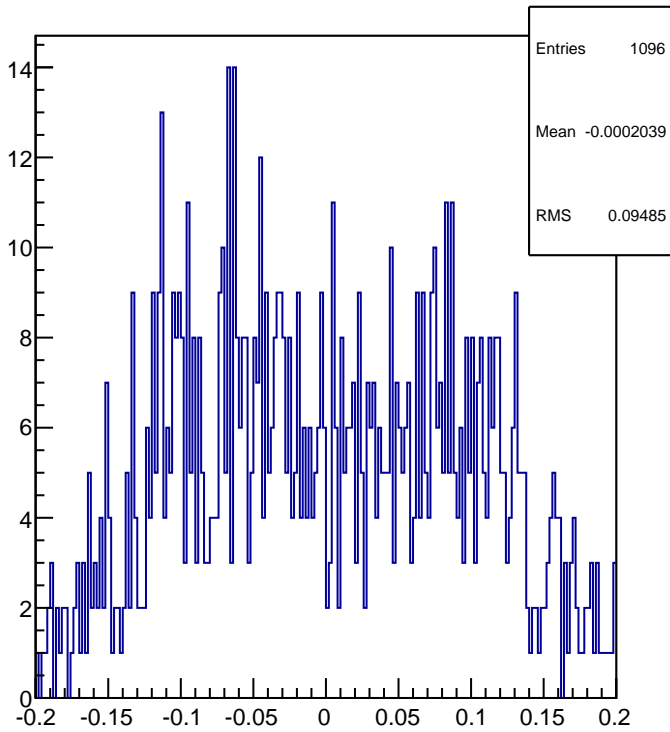
### R-arm FP Detector theta



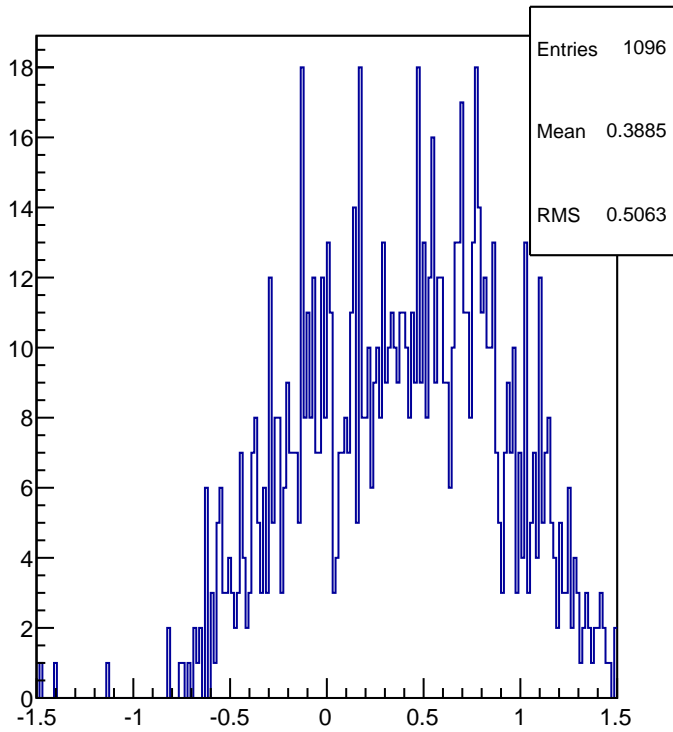
# Run #21982

## FP Variables (Transport Coord.)

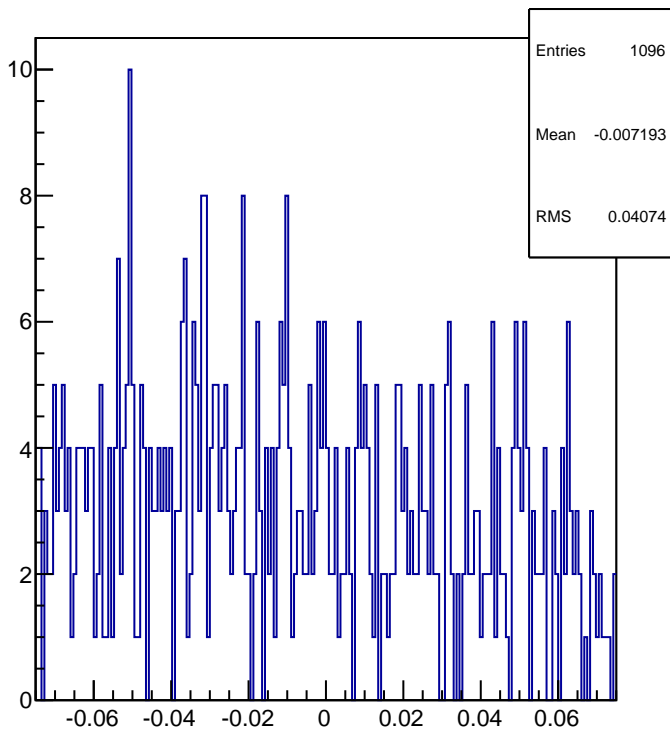
### R-arm FP Transport y



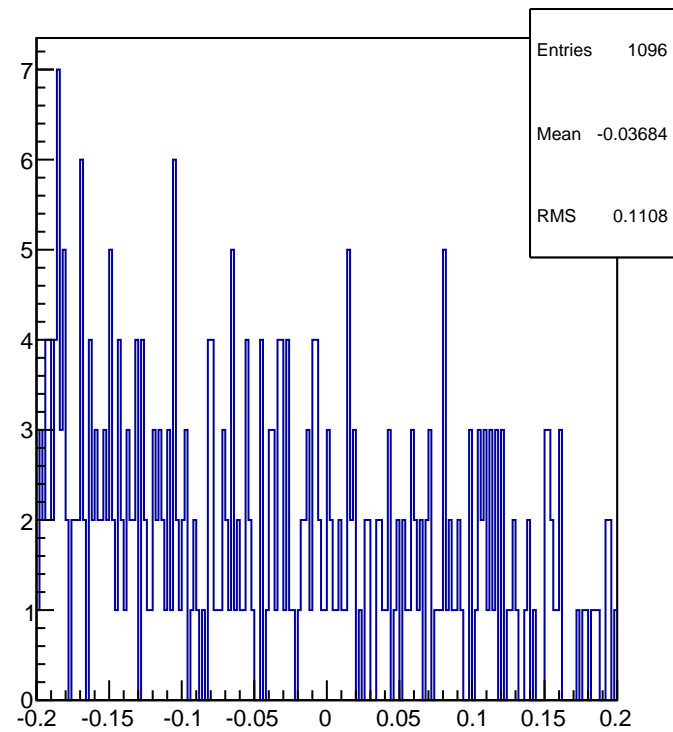
### R-arm FP Transport x



### R-arm FP Transport phi



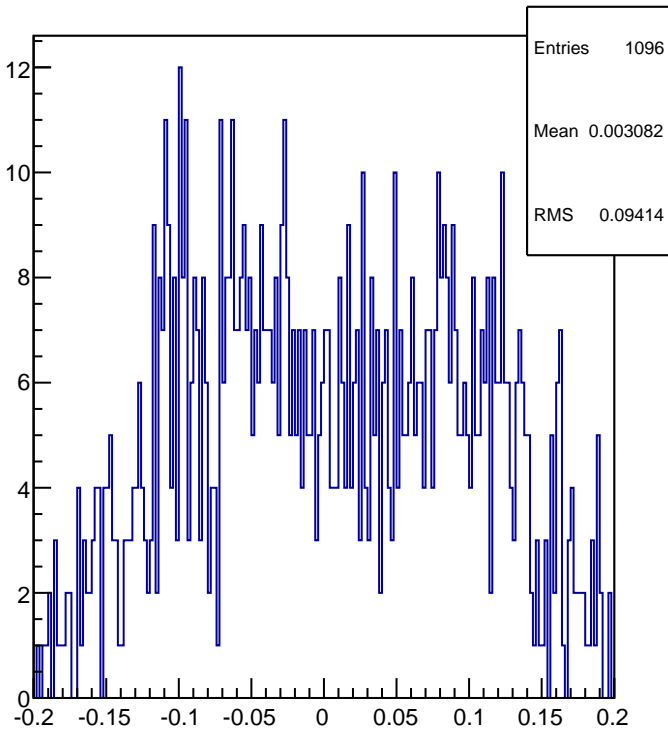
### R-arm FP Transport theta



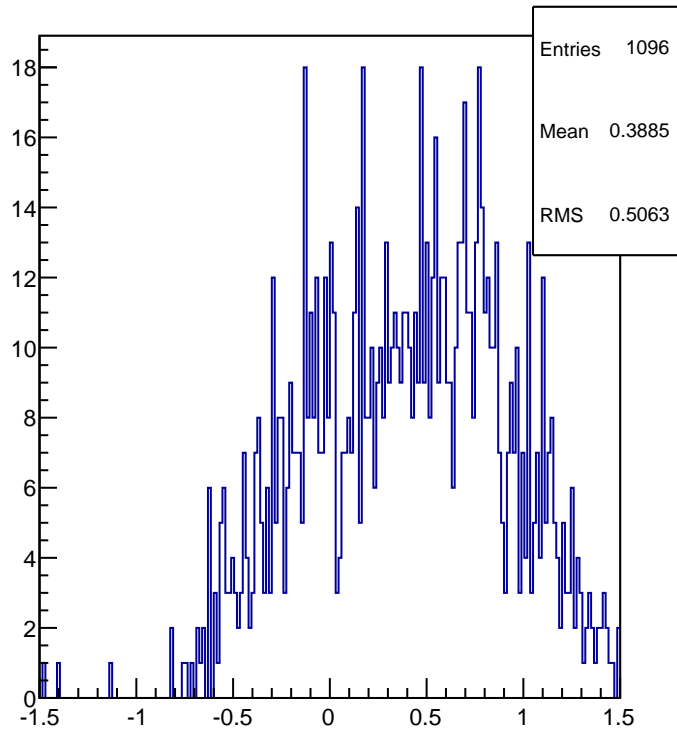
# Run #21982

## FP Variables (Rotated Coord.)

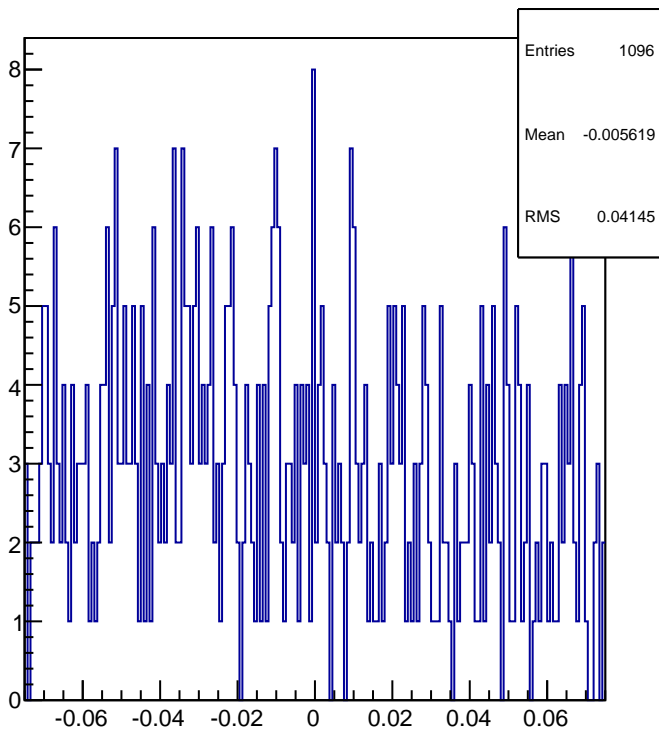
### R-arm FP Rotated y



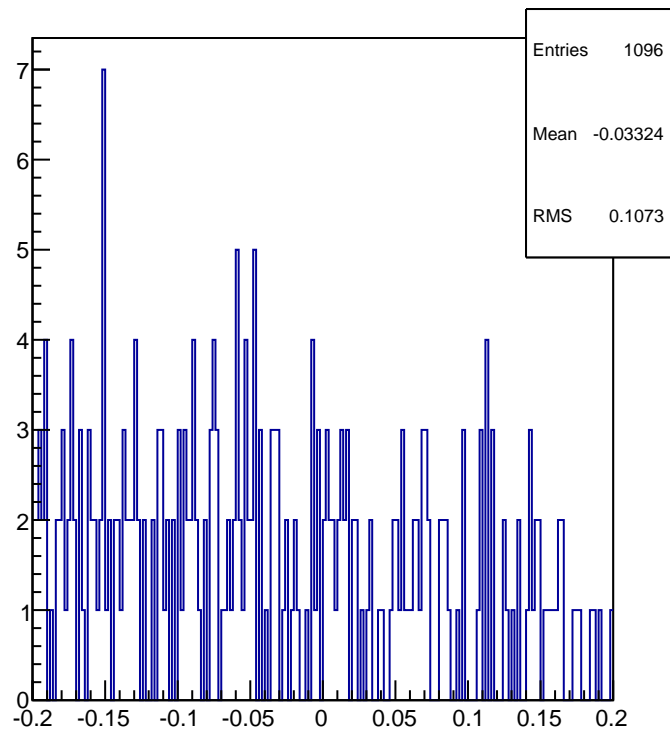
### R-arm FP Rotated x



### R-arm FP Rotated phi



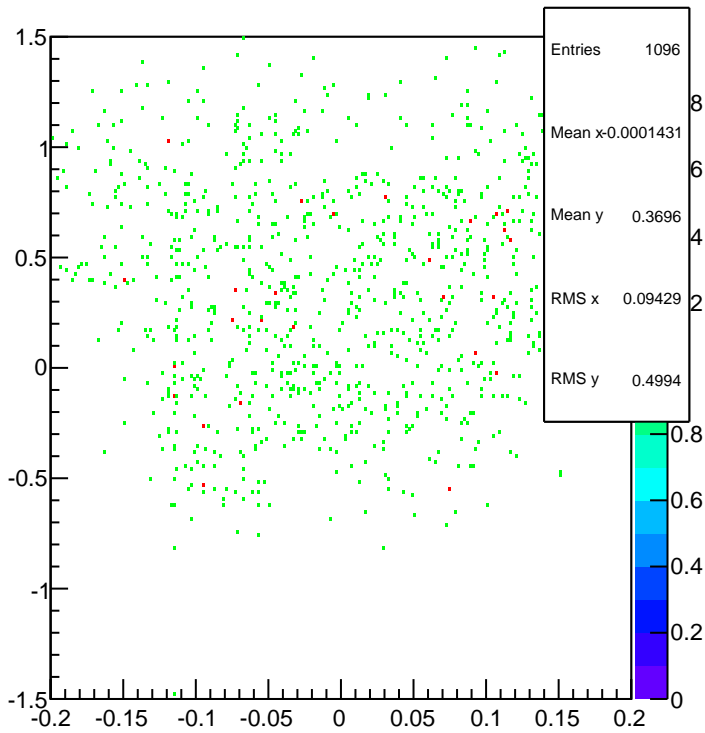
### R-arm FP Rotated theta



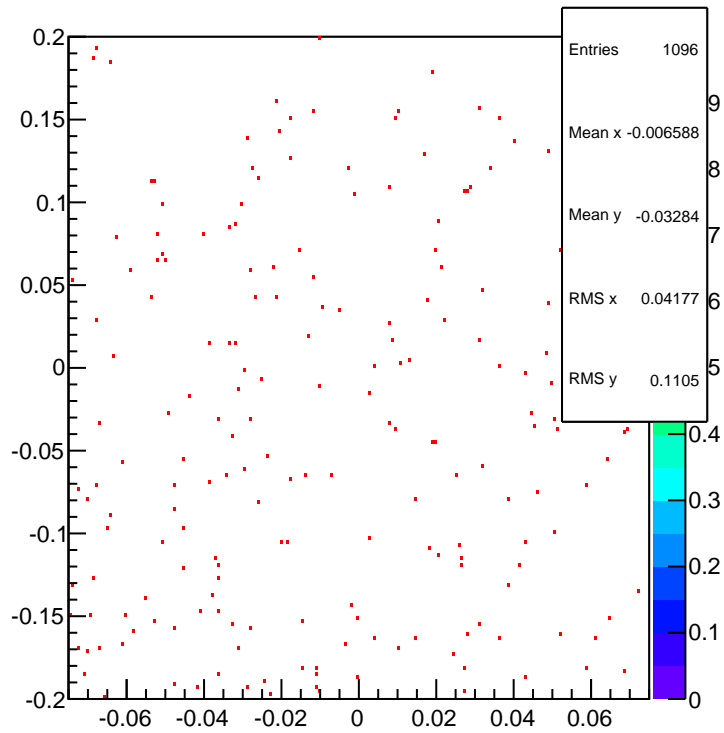
# Run #21982

## FP Variables (2-d)

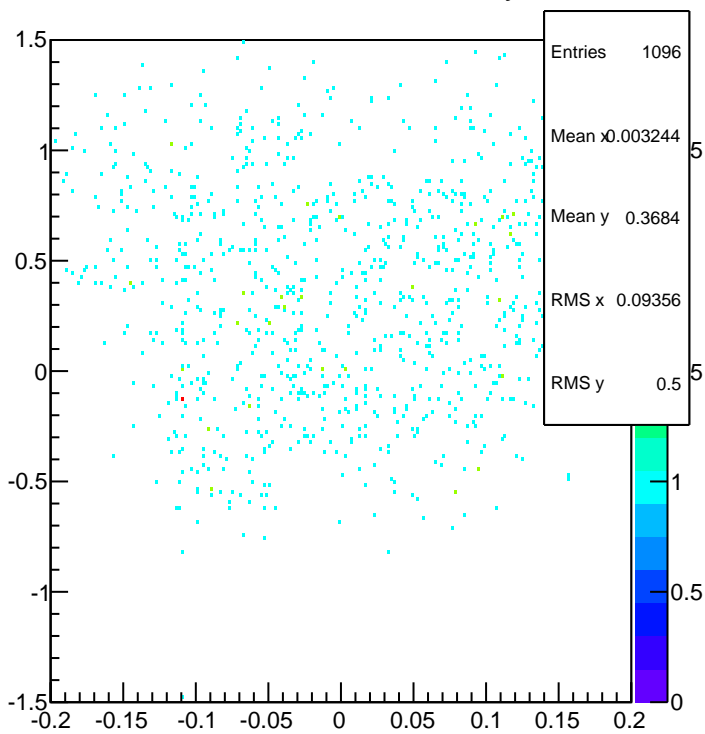
### R-arm FP Transport x vs. y



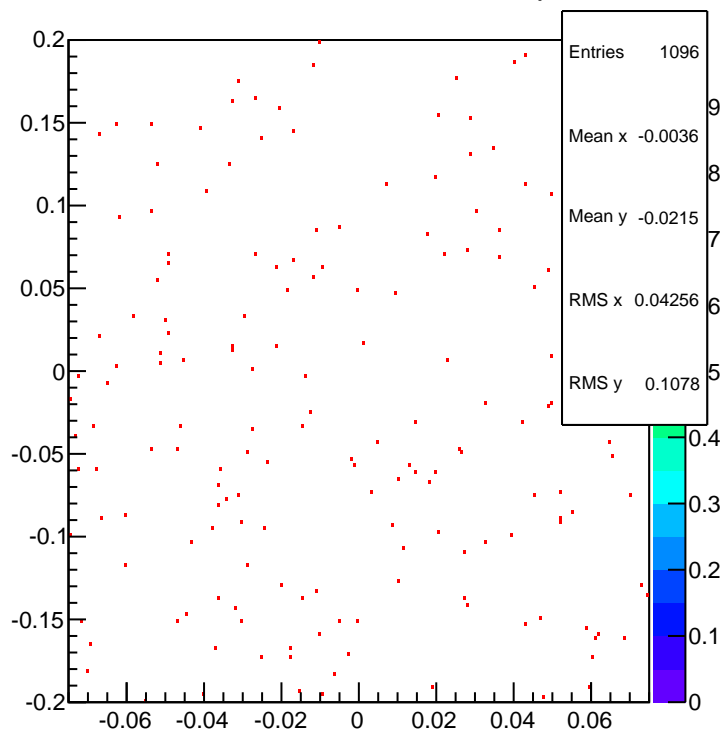
### R-arm FP Transport theta vs. phi



### R-arm FP Rotated x vs. y



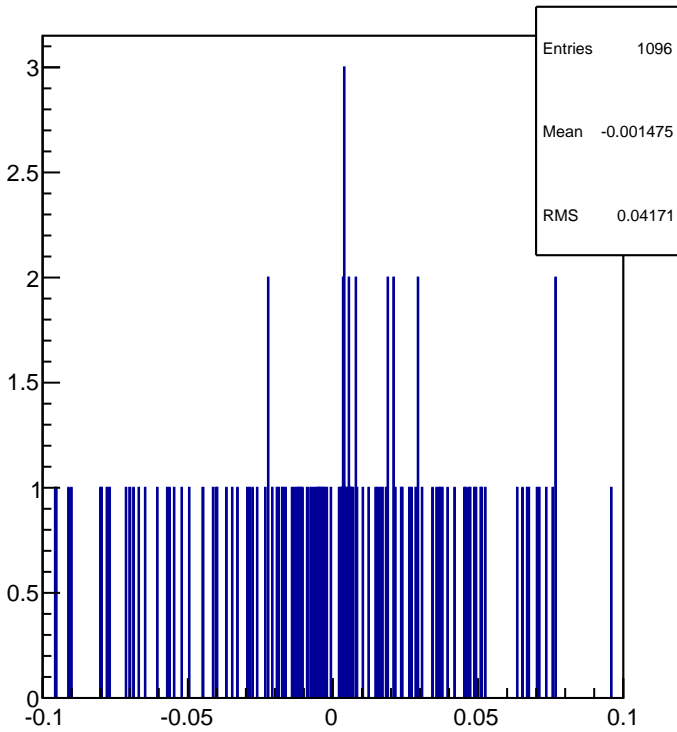
### R-arm FP Rotated theta vs. phi



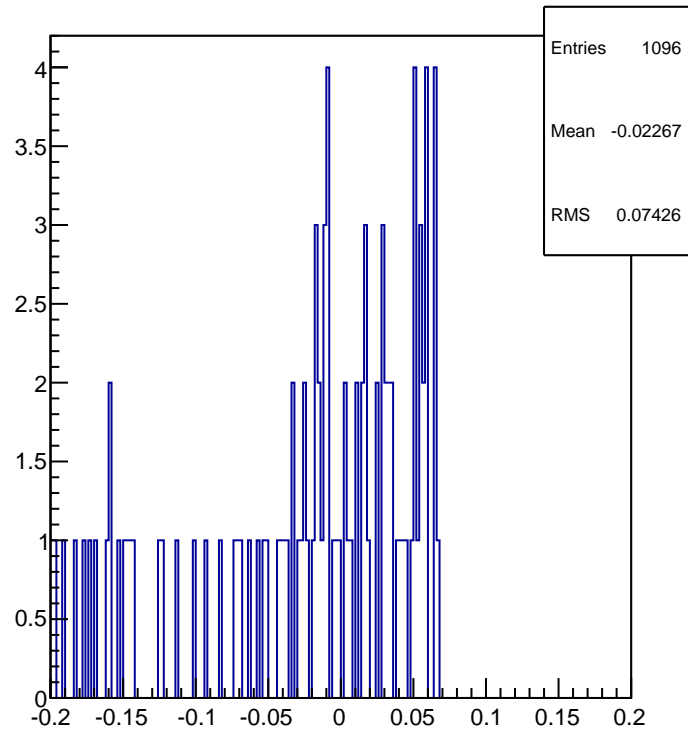
# Run #21982

## Tracking Variables

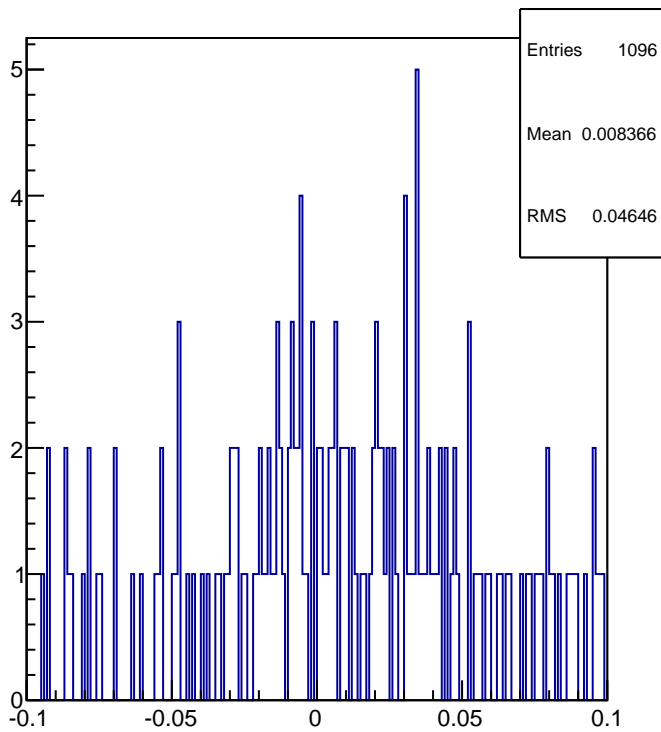
### R-arm delta



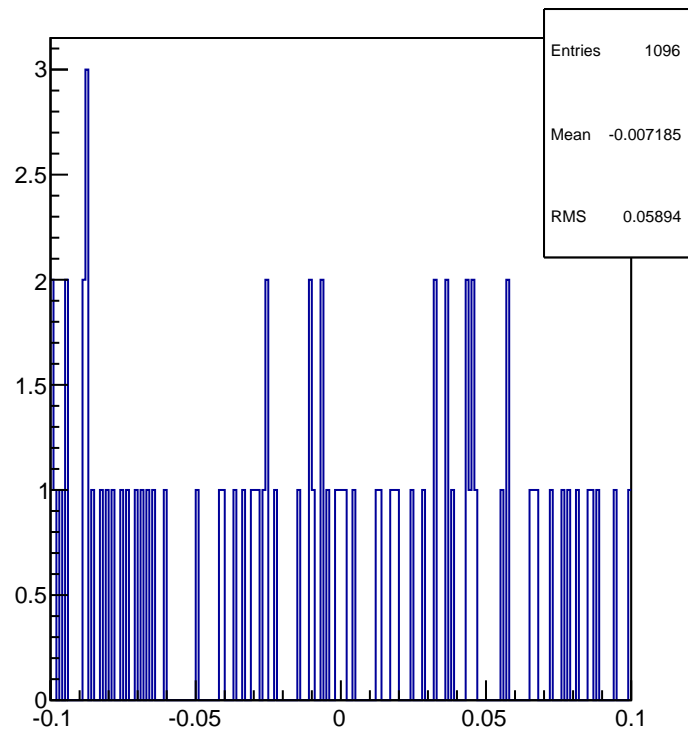
### R-arm target theta



### R-arm target phi



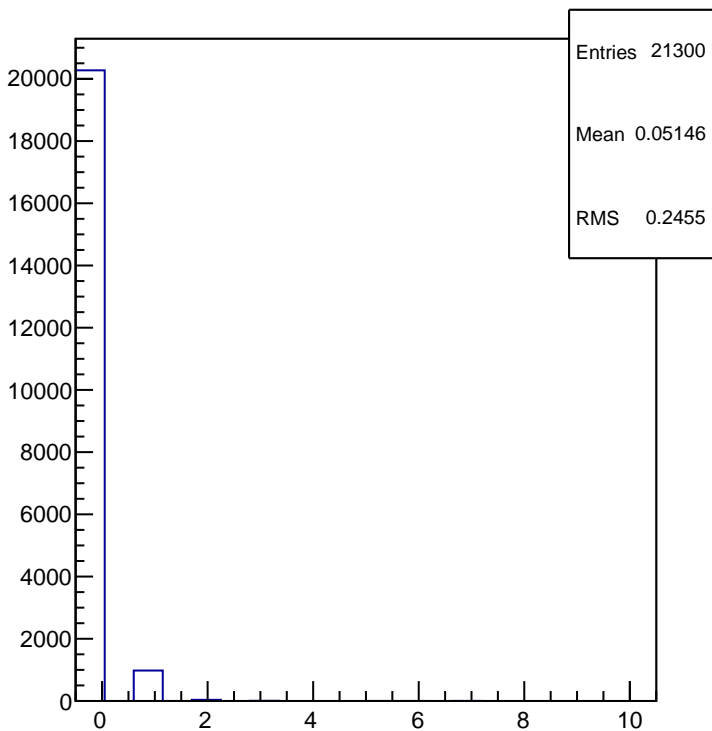
### R-arm target y



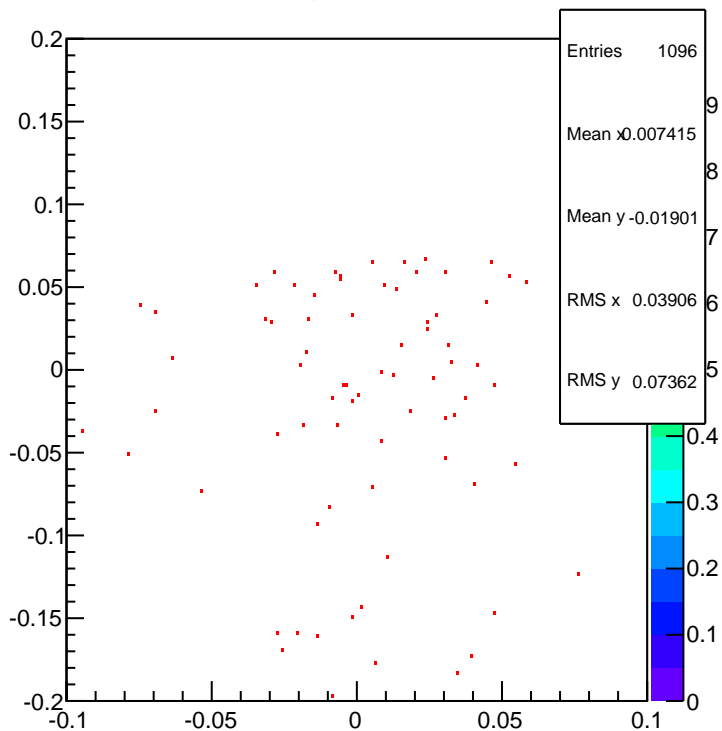
# Run #21982

## Tracking and Reconstruction

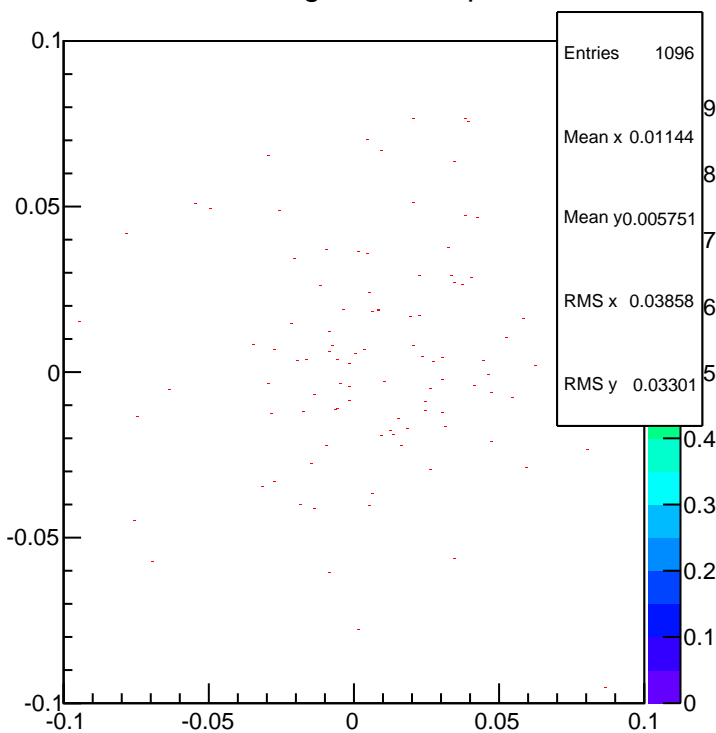
### R-arm number of tracks



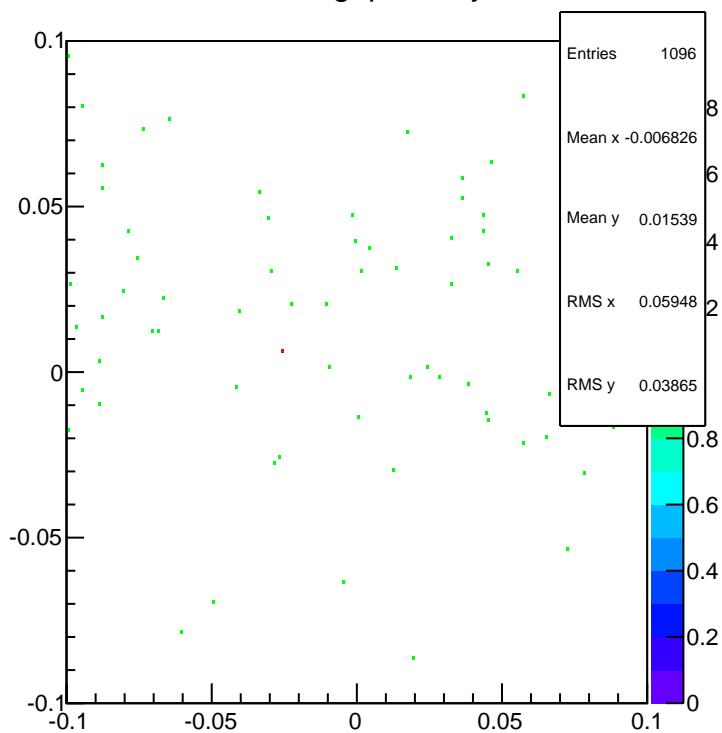
### R-arm tgt theta vs. phi



### R-arm tgt delta vs. phi



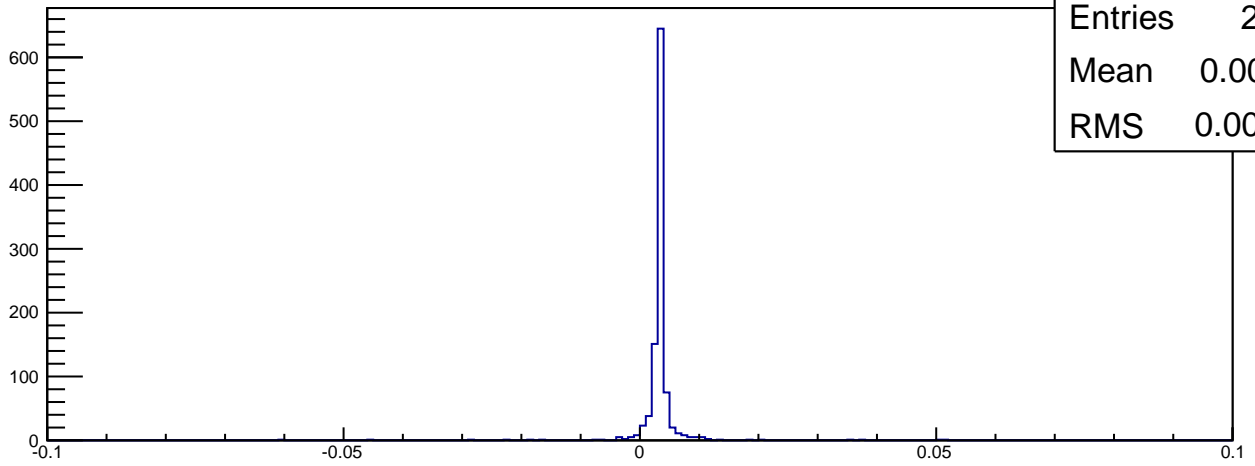
### R-arm tgt phi vs. y



# Run #21982

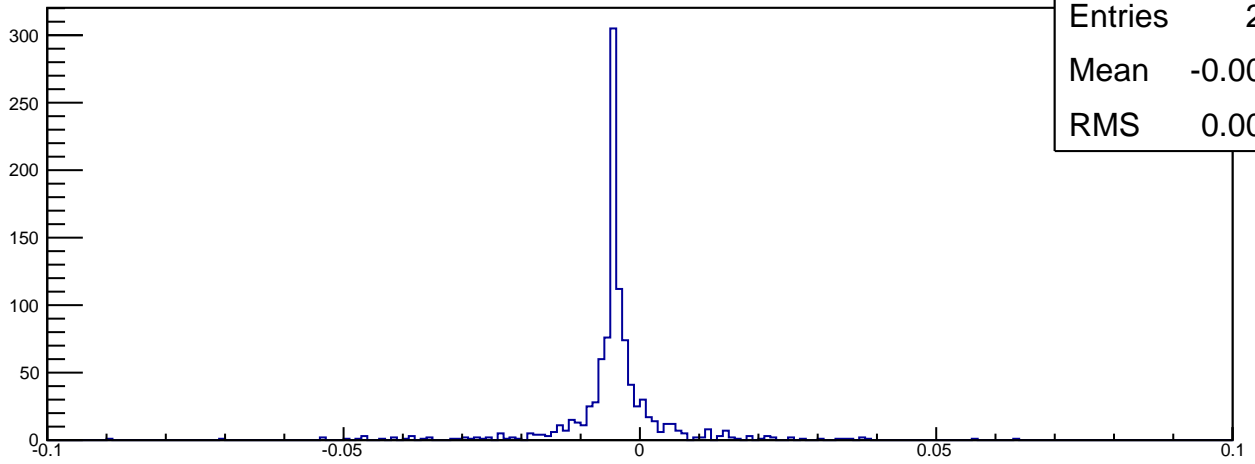
## Reaction Vertex

R-arm Reaction X vertex



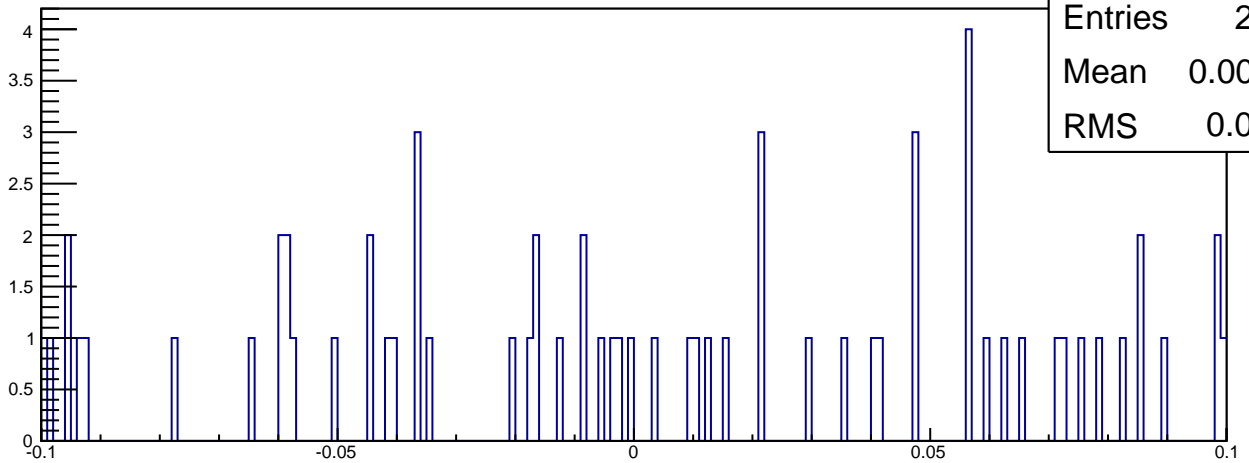
Entries	21300
Mean	0.003311
RMS	0.004279

R-arm Reaction Y vertex



Entries	21300
Mean	-0.004319
RMS	0.009727

R-arm Reaction Z vertex

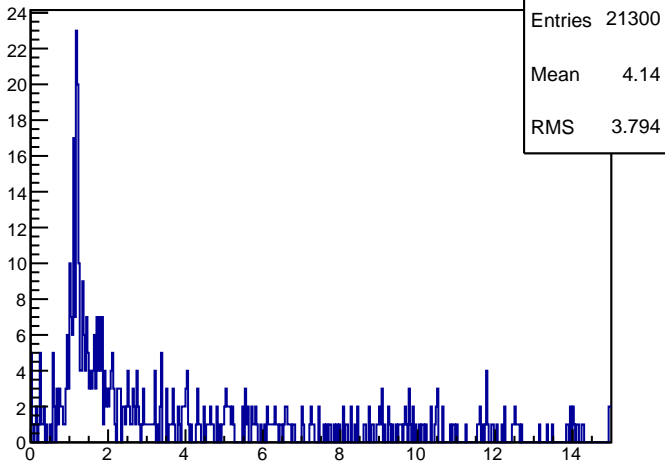


Entries	21300
Mean	0.005694
RMS	0.05639

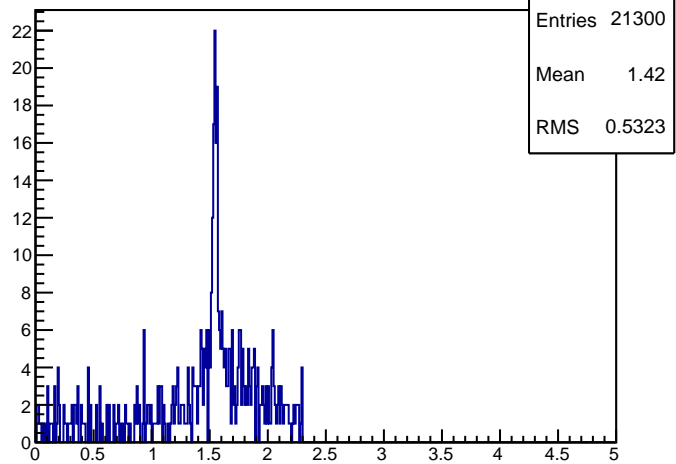
# Run #21982

## Physics

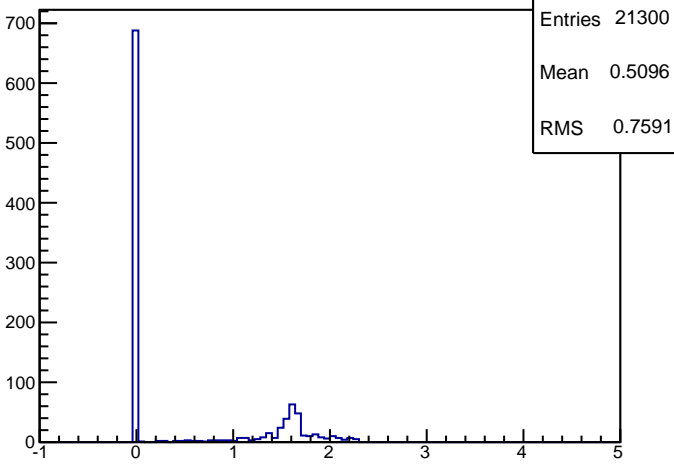
R-arm Q2, 4-momentum transfer



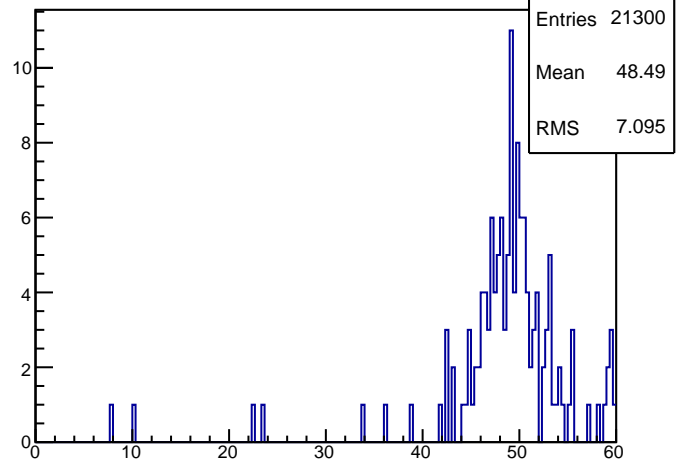
R-arm nu, energy transfer



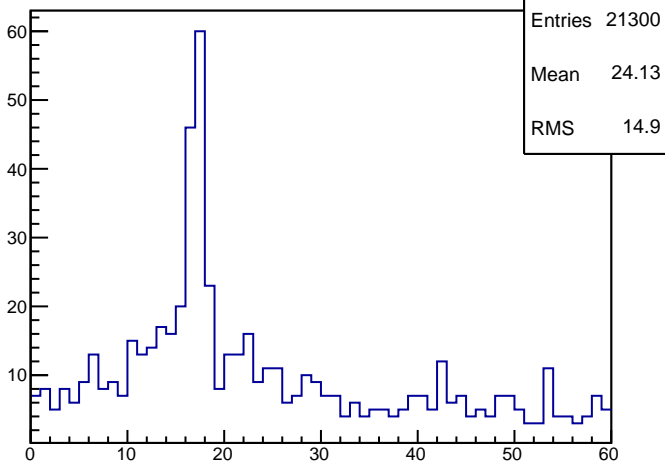
R-arm W, Invariant mass



R-arm Electron Angle of scattering (deg)



R-arm Virtual photon angle (deg)

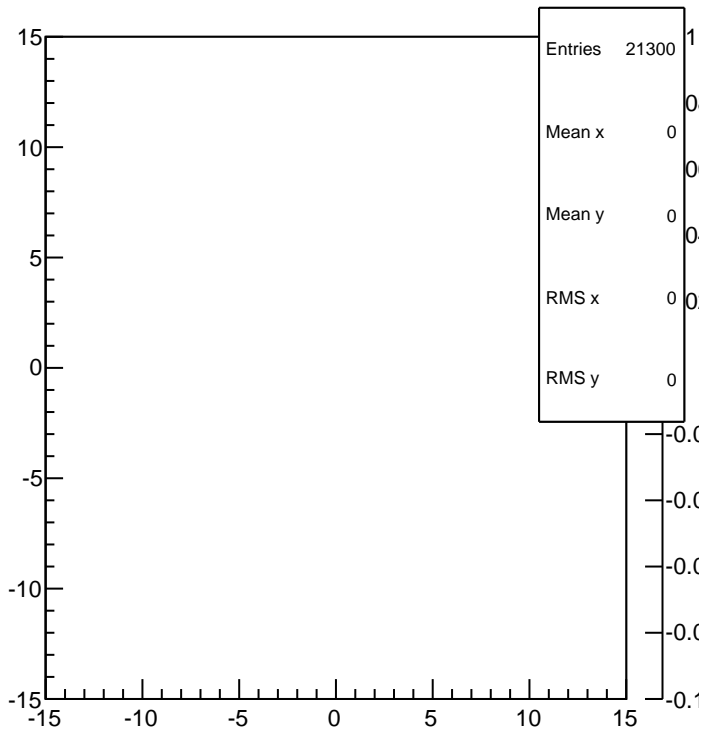




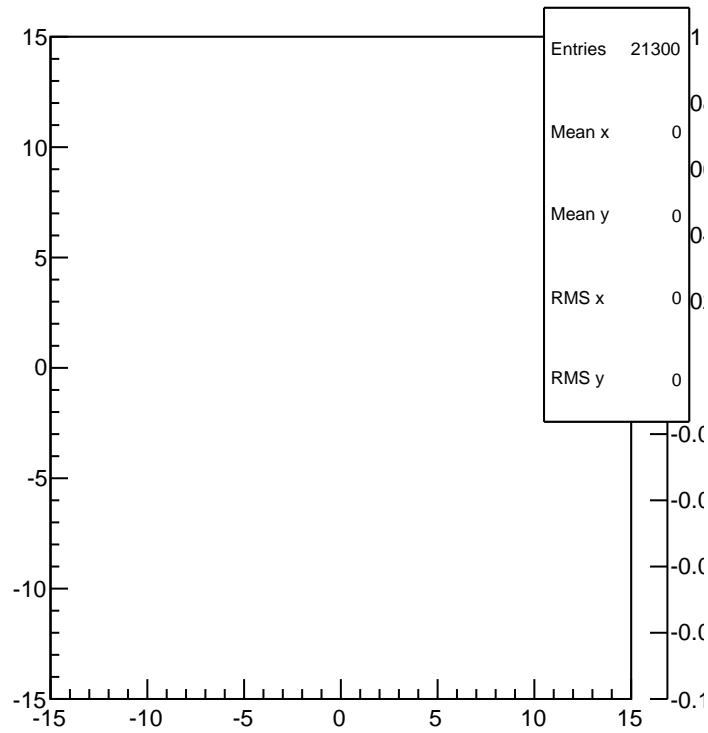
# Run #21982

## BPM/Target Information (2-D)

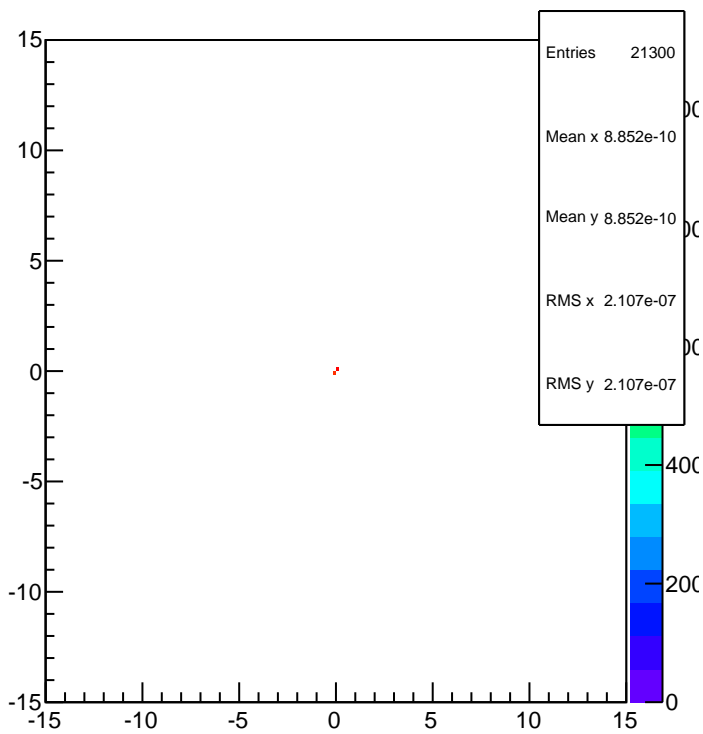
### BPMA y vs x



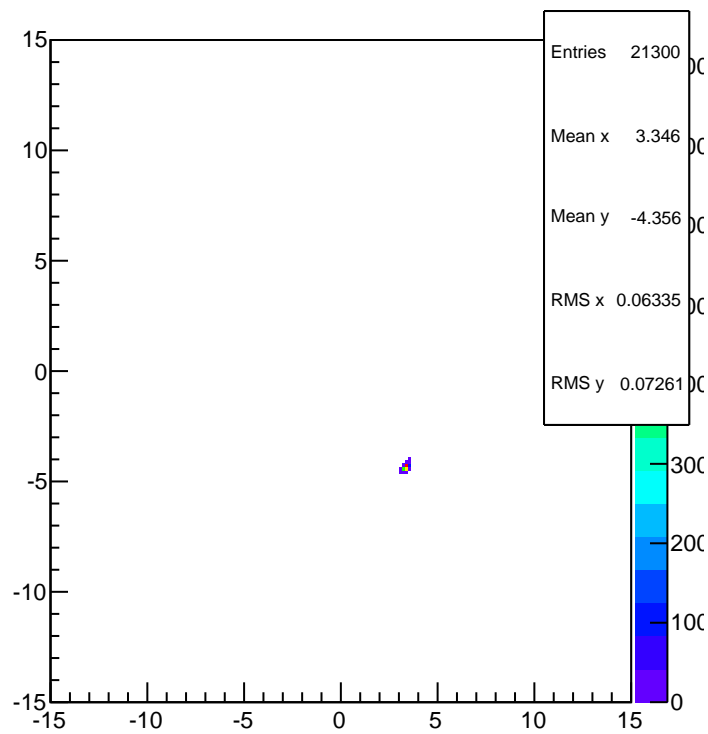
### BPMB y vs x



### Beam at target y vs x (from BPMs)



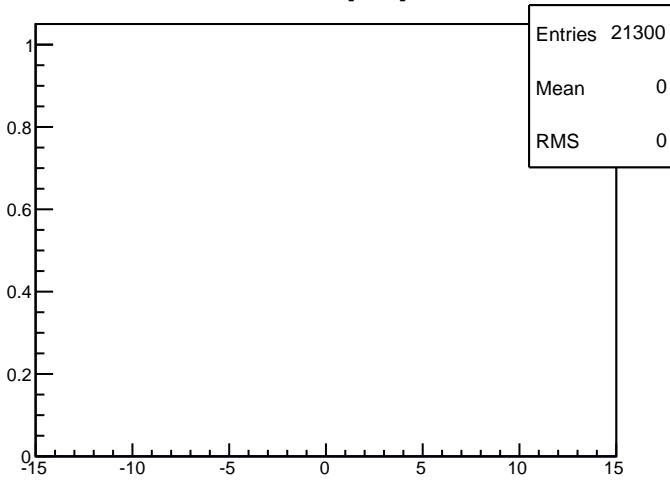
### Beam at target y vs x (from Rasters)



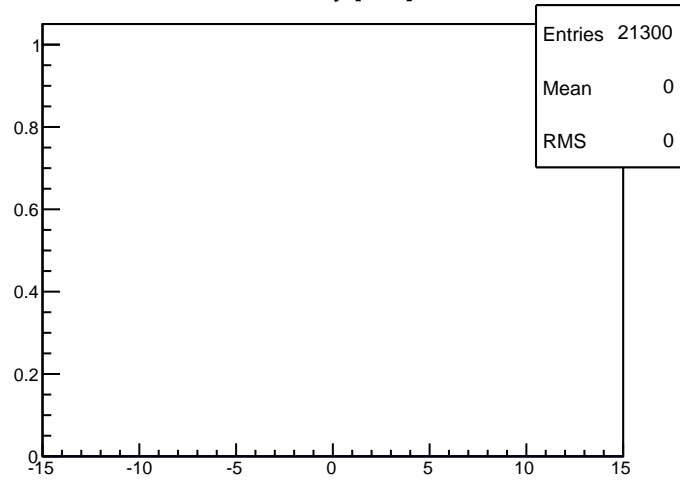
# Run #21982

## BPM Information (1-D)

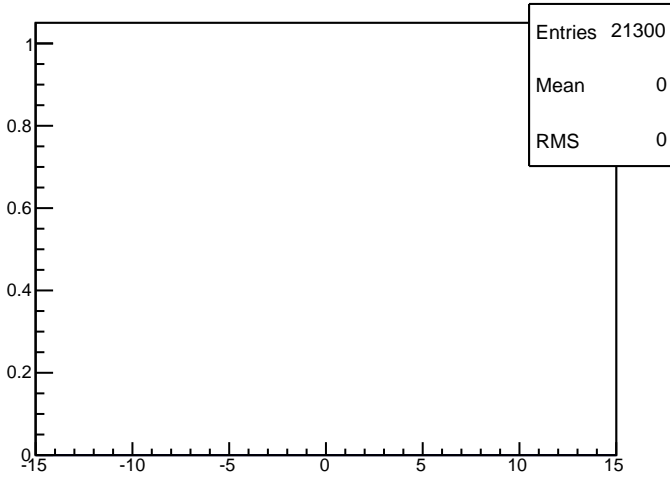
BPMA x [mm]



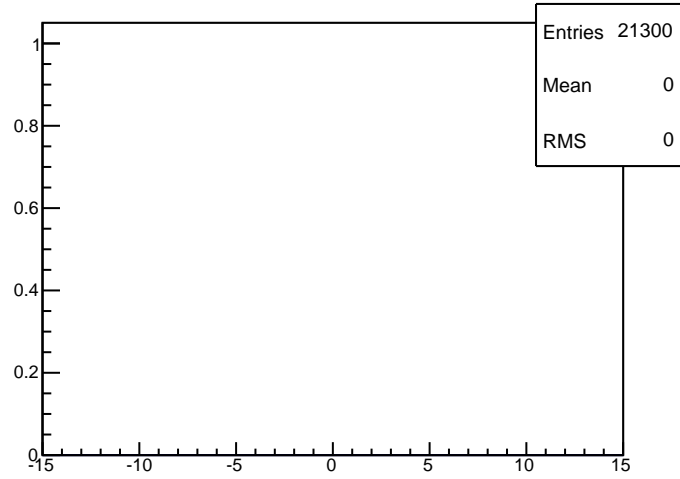
BPMA y [mm]



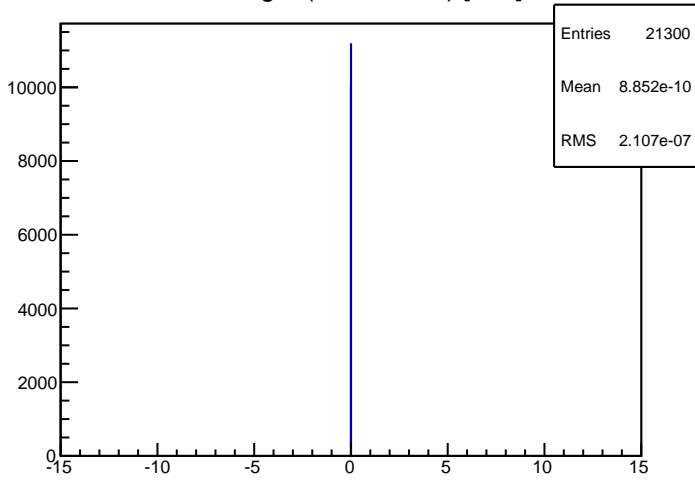
BPMB x [mm]



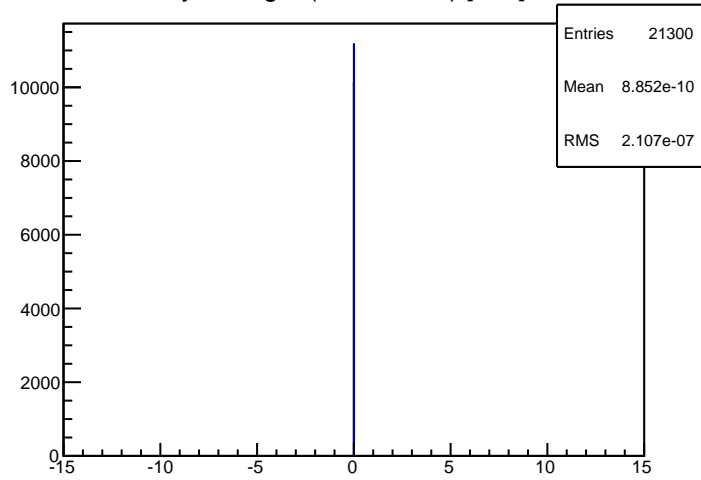
BPMB y [mm]



x at target (from BPMs) [mm]



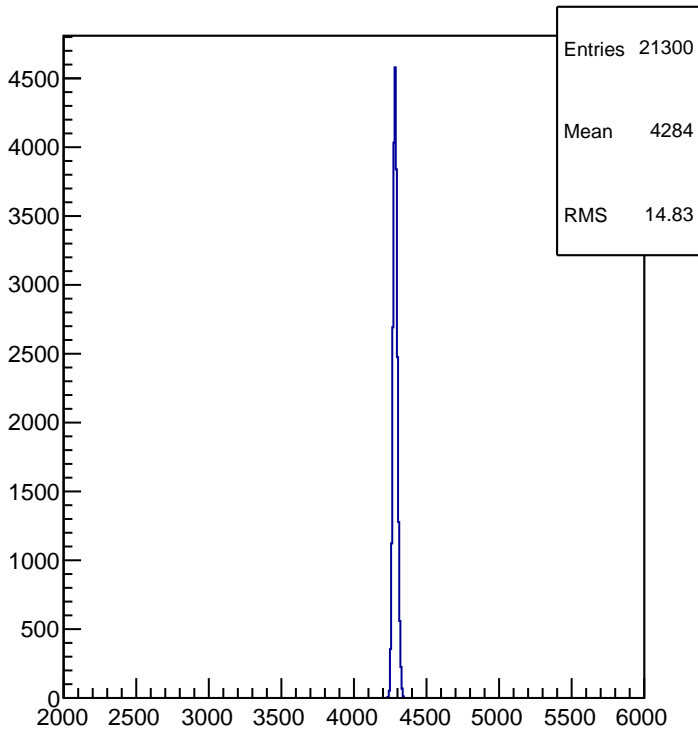
y at target (from BPMs) [mm]



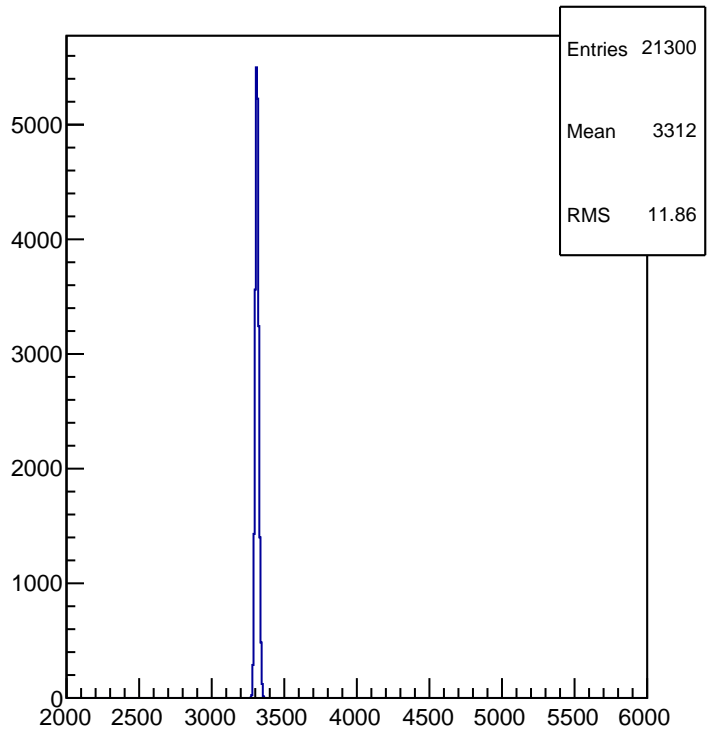
# Run #21982

## Raster Current Information (1-D)

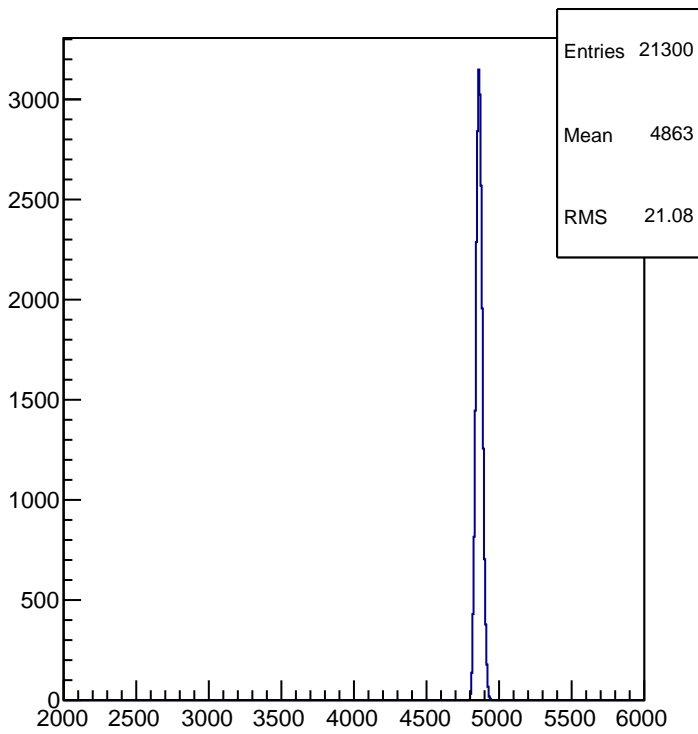
### Fast Raster 1 X current



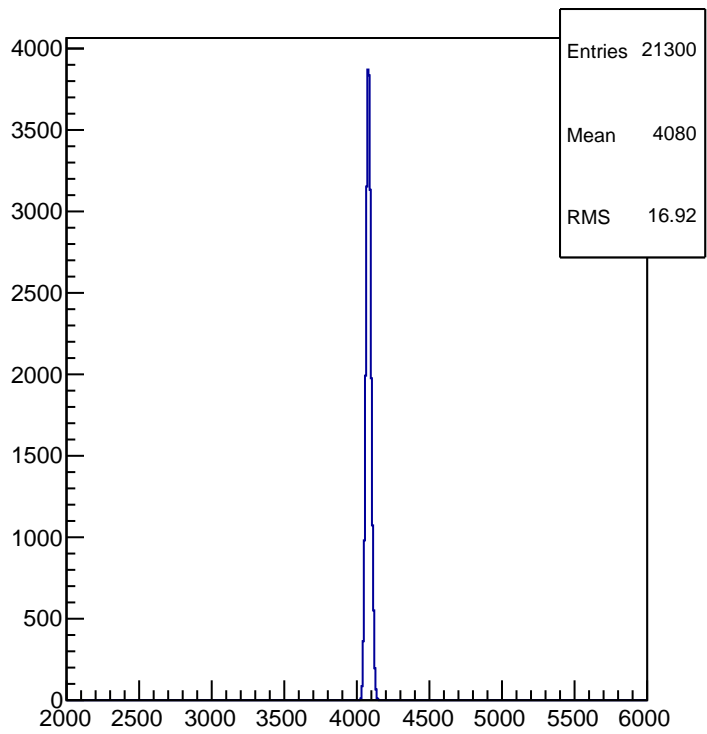
### Fast Raster 1 Y current



### Fast Raster 2 X current



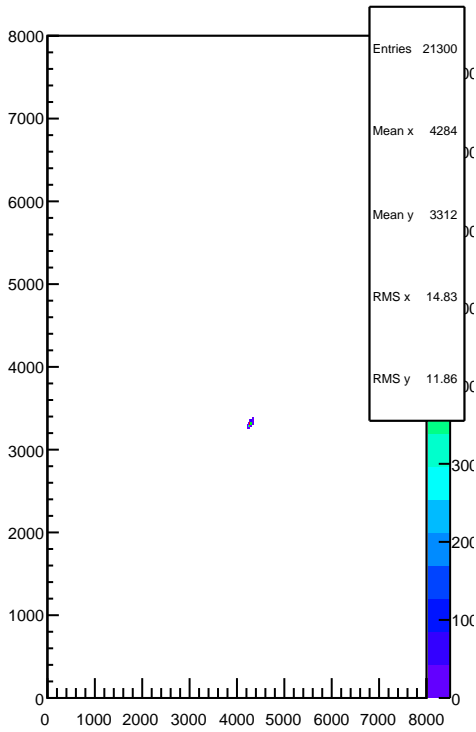
### Fast Raster 2 Y current



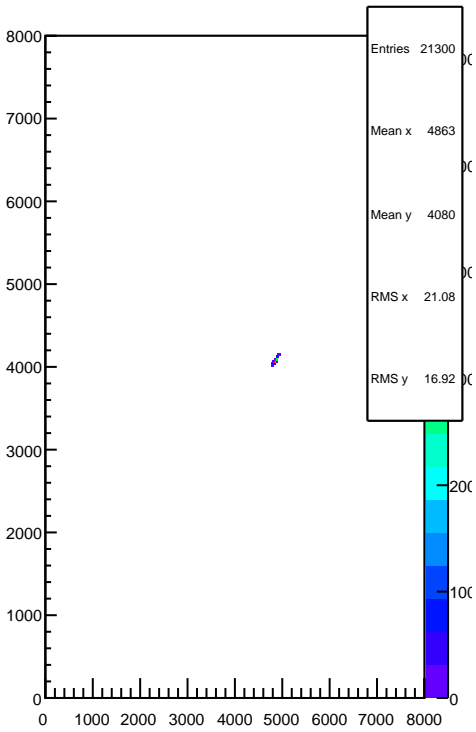
# Run #21982

## Raster Current Information (2-D)

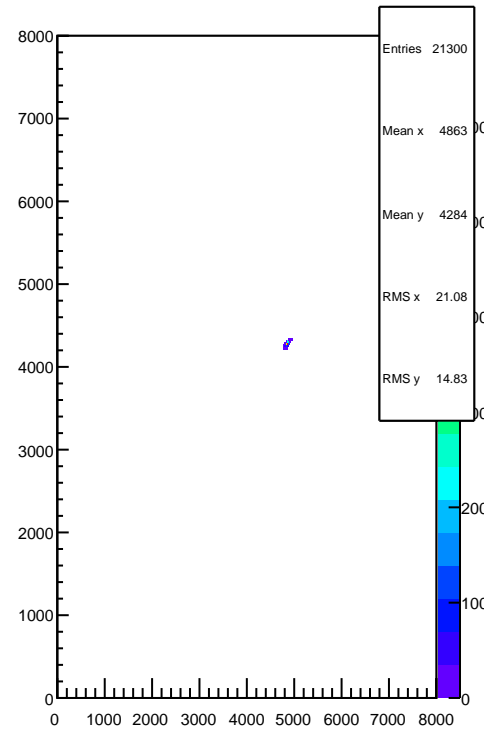
Fast Raster 1 X vs Y (current)



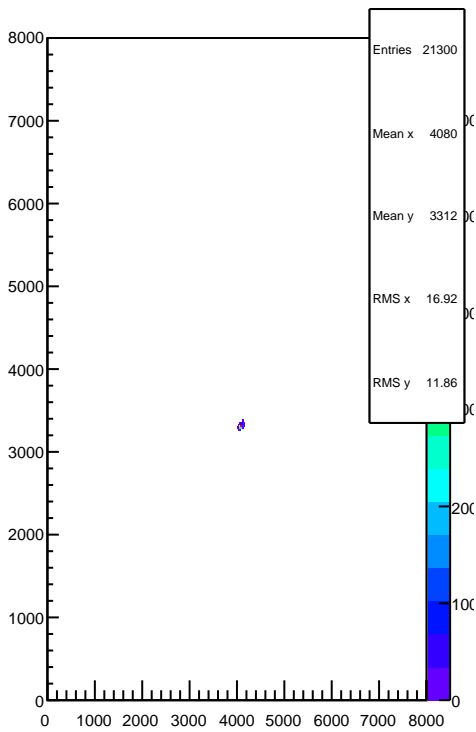
Fast Raster 2 X vs Y (current)



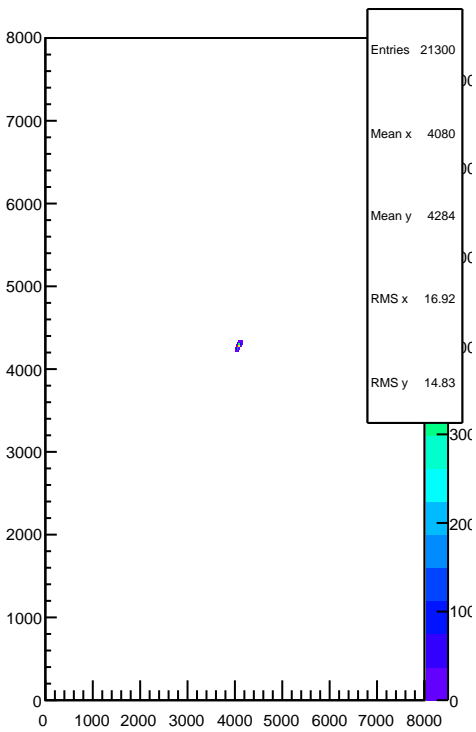
Fast Raster 1 X vs 2 X (current)



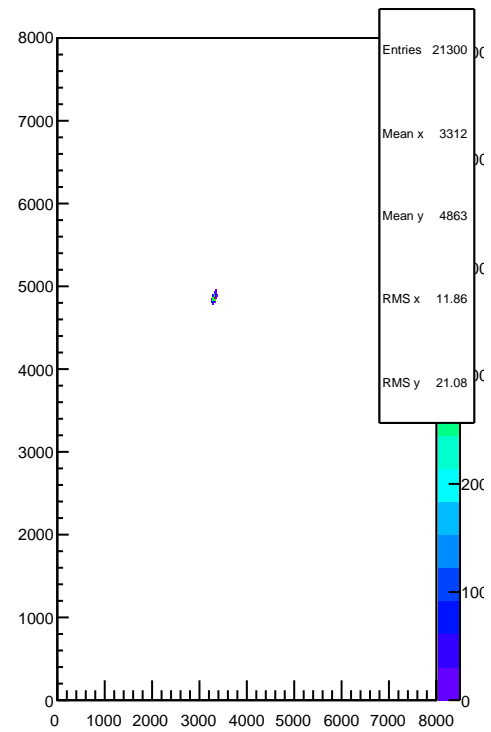
Fast Raster 1 Y vs 2 Y (current)



Fast Raster 1 X vs 2 Y (current)



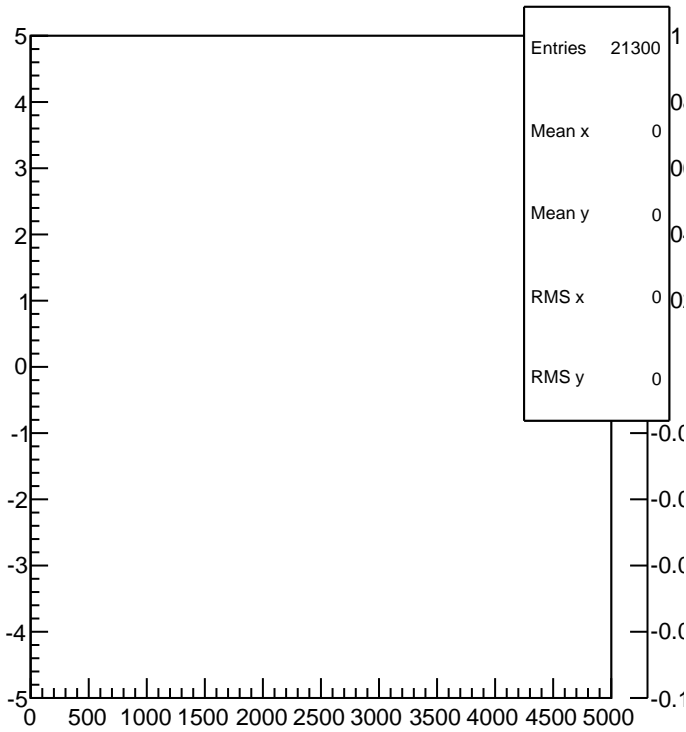
Fast Raster 2 X vs 1 Y (current)



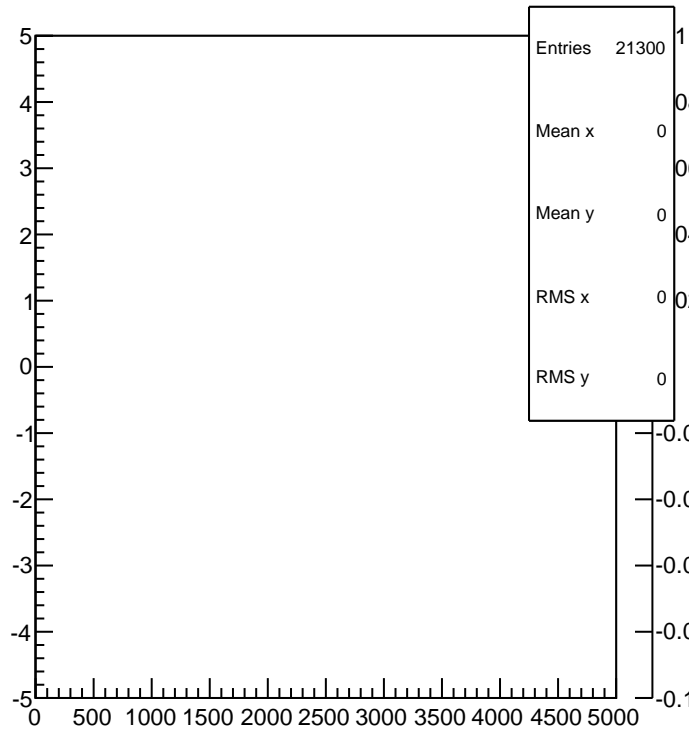
# Run #21982

## Up Raster/BPM Sync

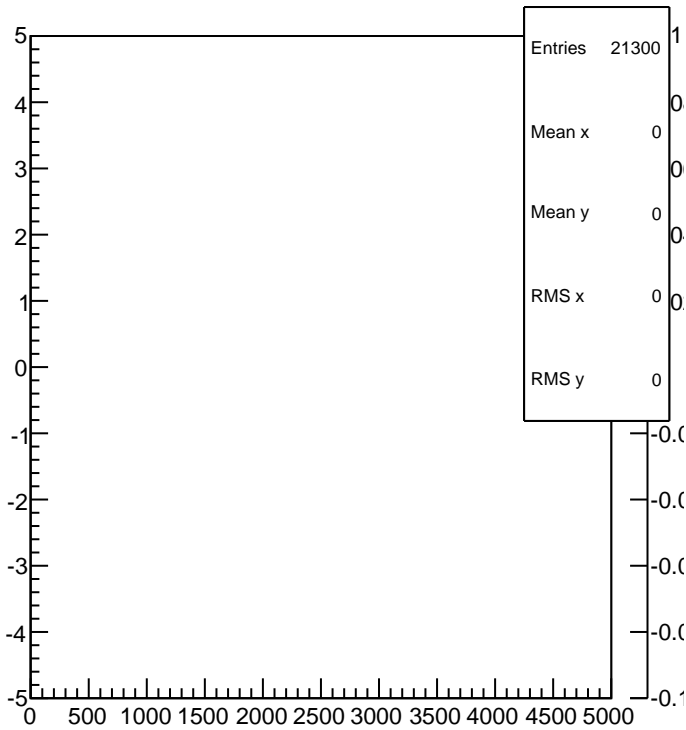
### Up Fast Raster Current vs BPMA X



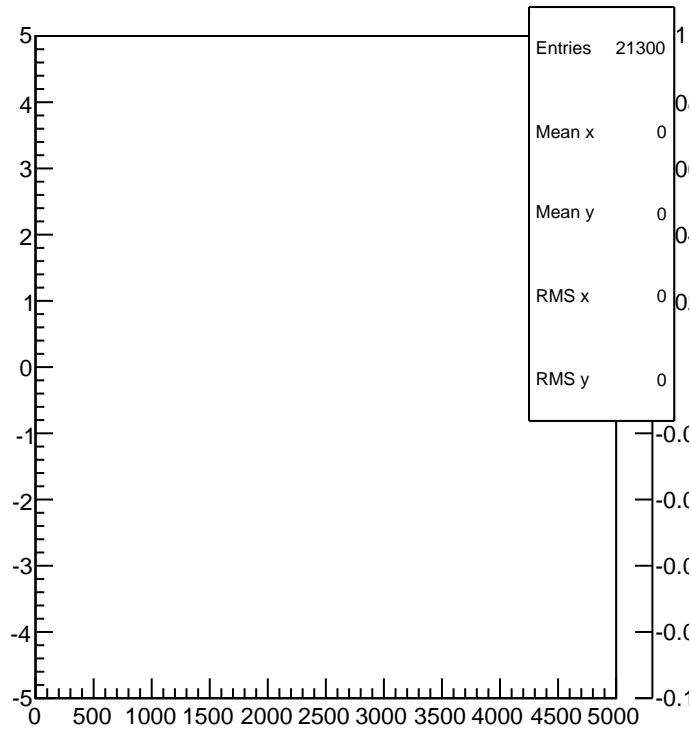
### Up Fast Raster Current vs BPMB X



### Up Fast Raster Current vs BPMA Y



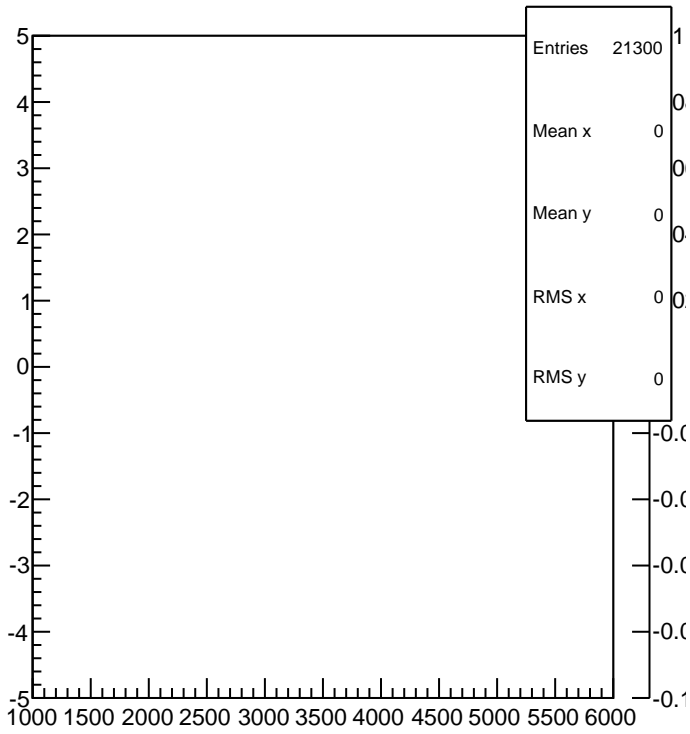
### Up Fast Raster Current vs BPMB Y



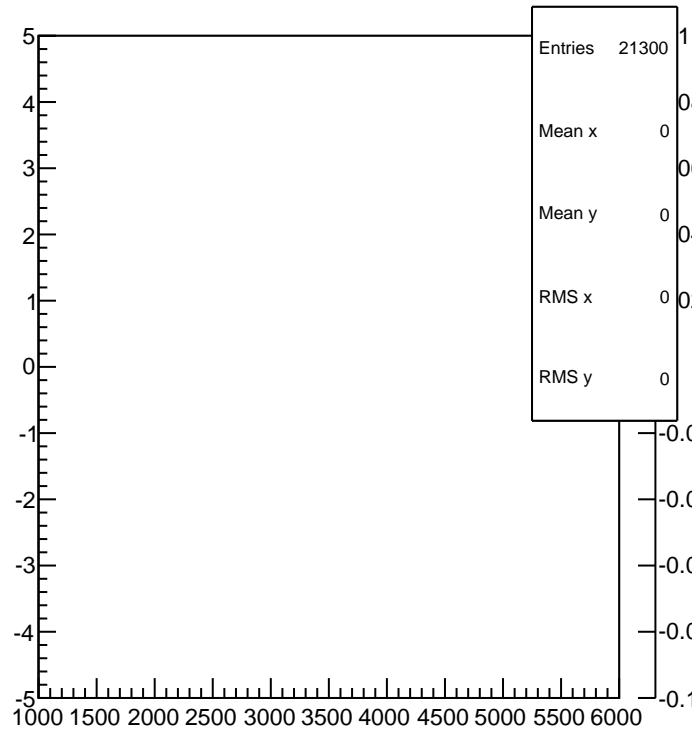
# Run #21982

## Down Raster/BPM Sync

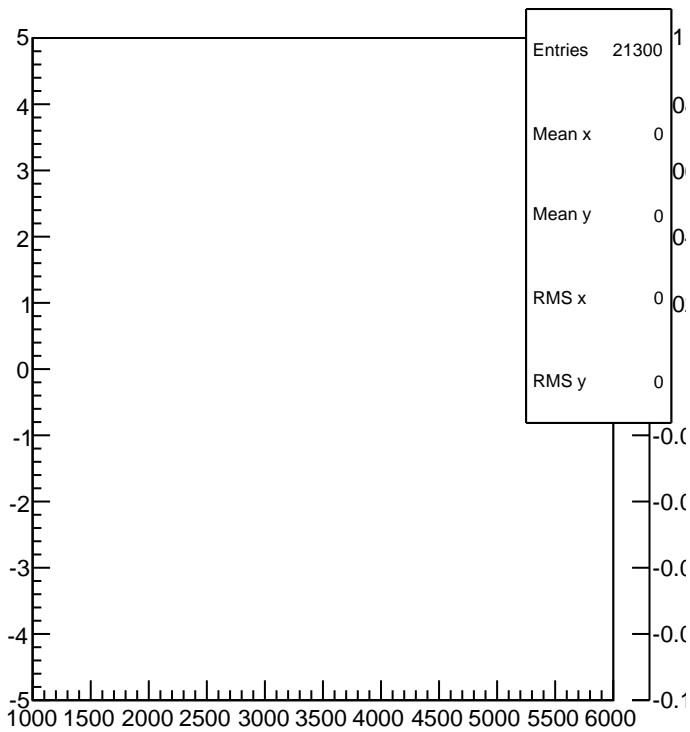
### Down Fast Raster Current vs BPMA X



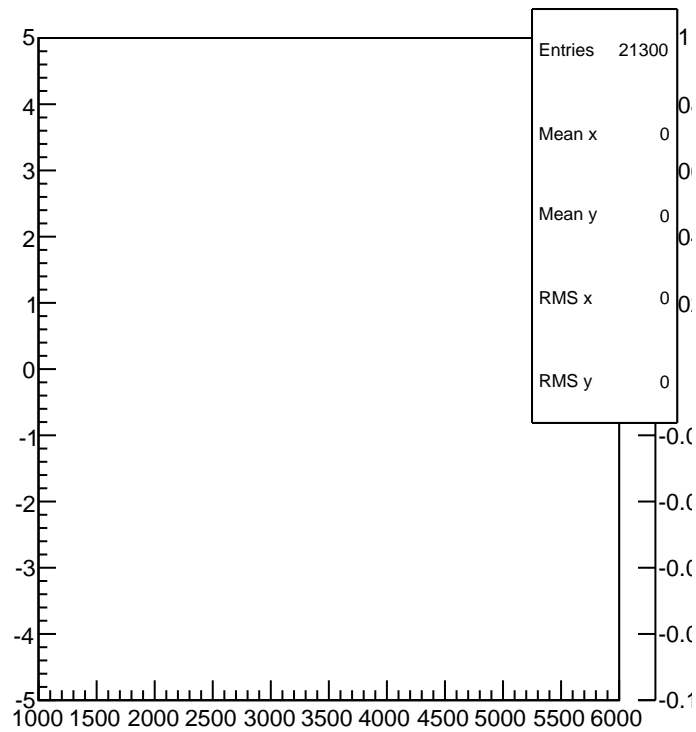
### Down Fast Raster Current vs BPMB X



### Down Fast Raster Current vs BPMA Y

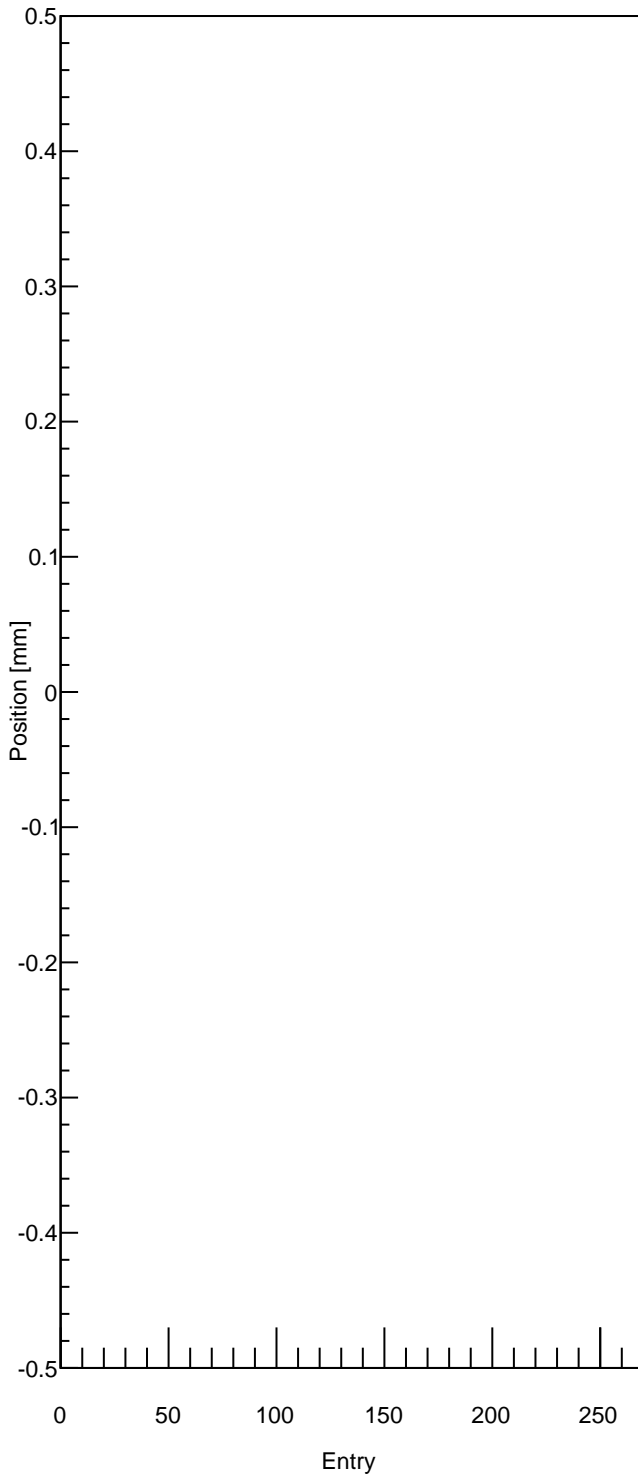


### Down Fast Raster Current vs BPMB Y



Beam Energy Stability

Horizontal Motion at 1C12



Vertical Motion at 1C12

