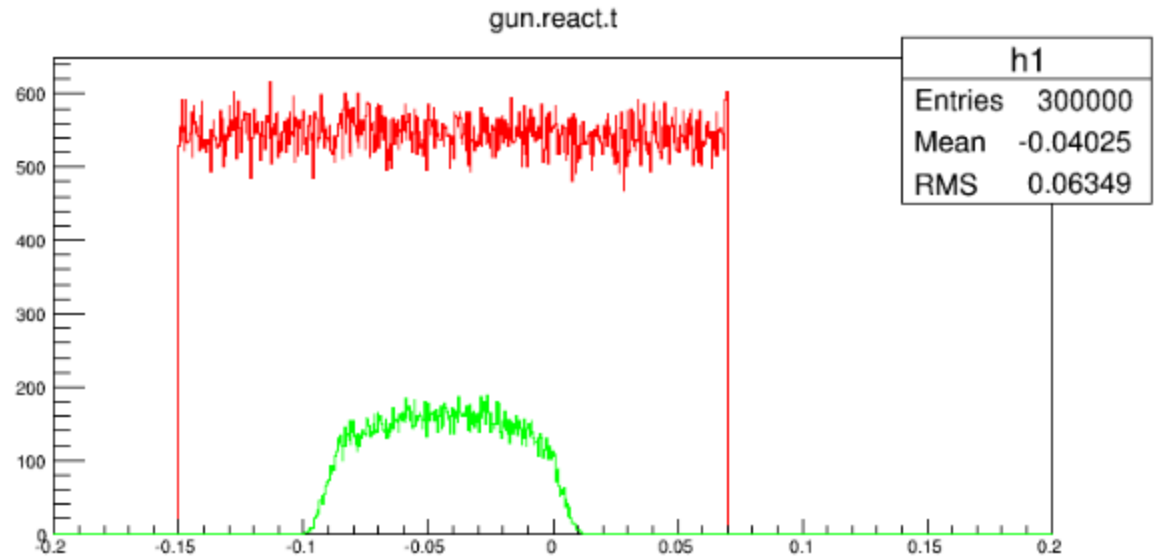
# Simulation update

Last time:

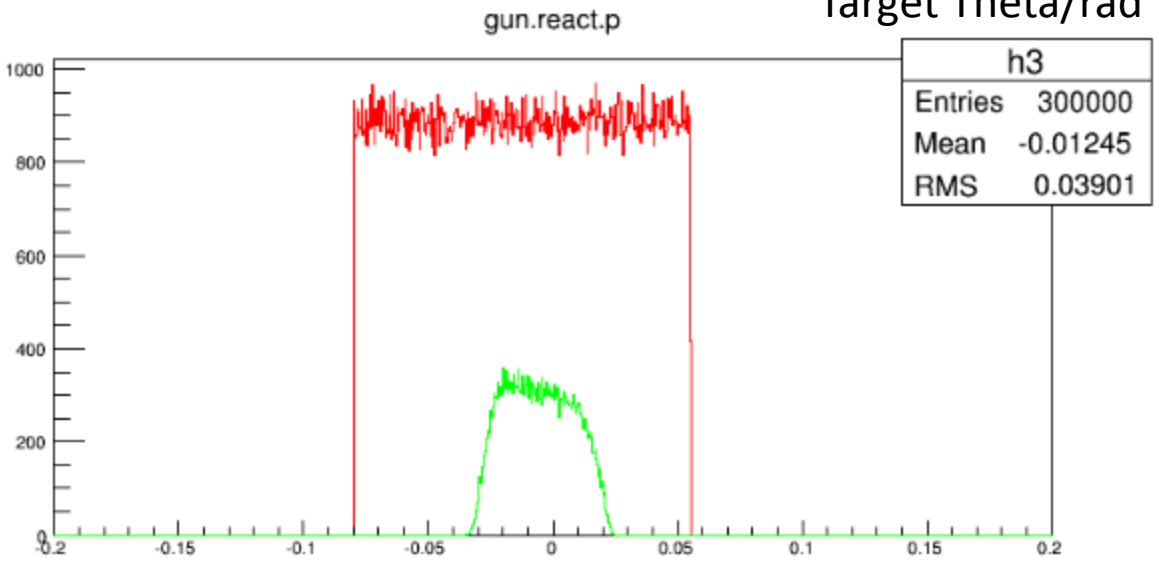
Yields versus beam information

Last Time

# Acceptance study




Target Theta/rad

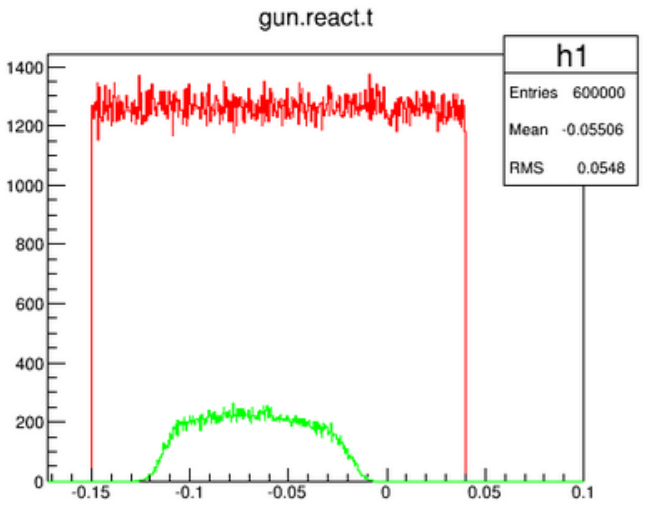



Target Phi/rad

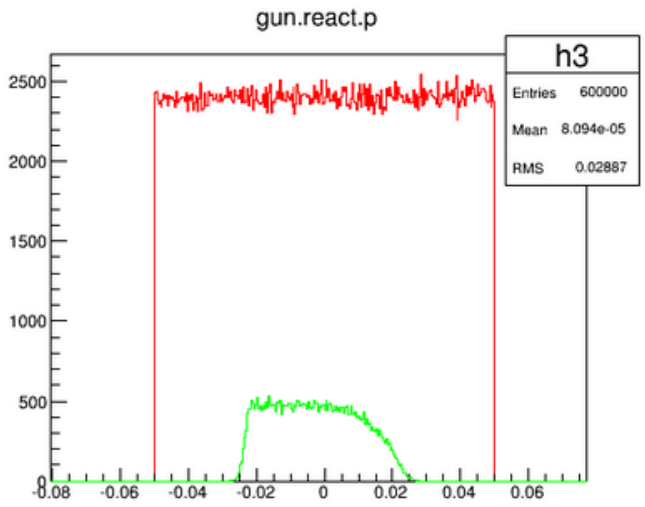
- Snake model
- Red (event generator)
- Green (accepted)
- 2.2GeV elastic

  2.5T Trans

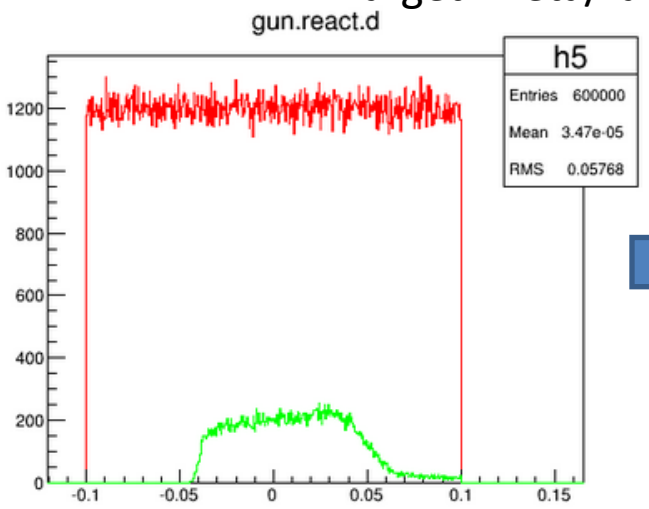
# Acceptance study




Target Theta/rad




Target Phi/rad

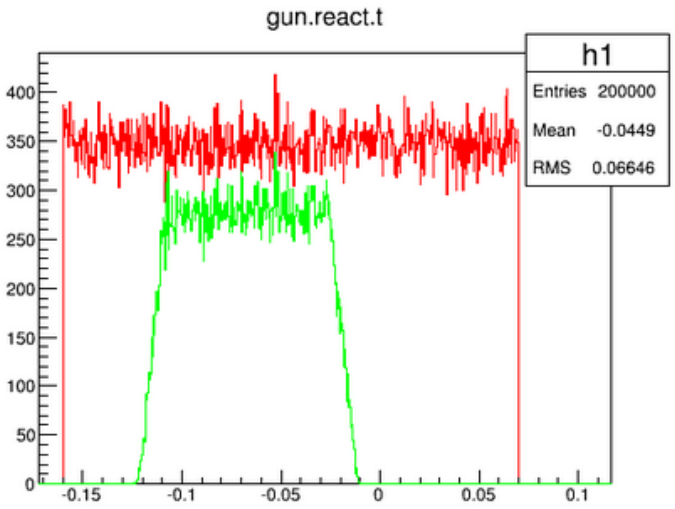



Target dp

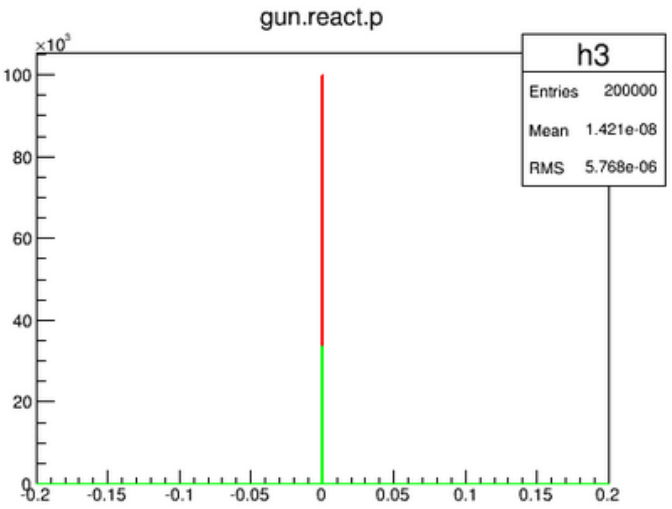
Choose a small region (theta, phi, dp) to take a look

- Snake model in
- Red (event generator)
- Green (accepted)
- E=2.2GeV
  2.5T Trans
  P=1.5GeV

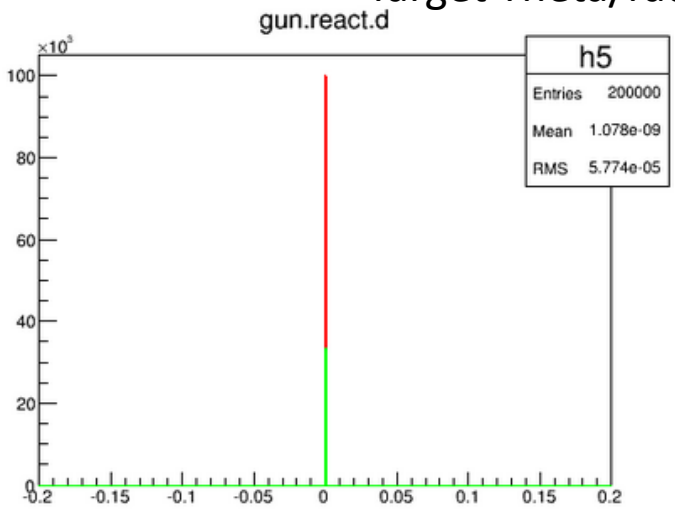
# Acceptance study for theta




Target Theta/rad



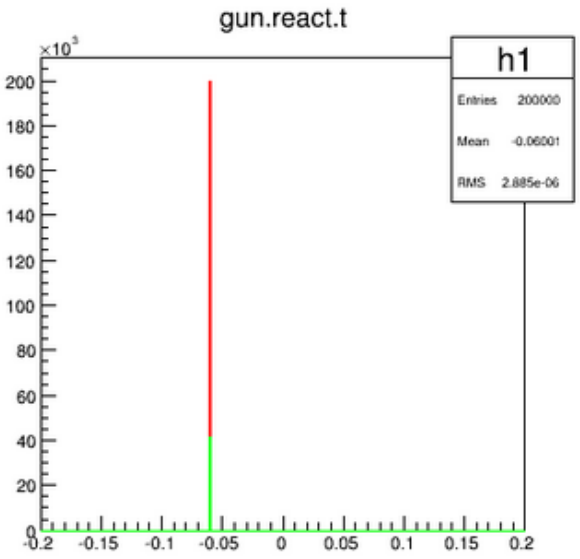

Target Phi/rad



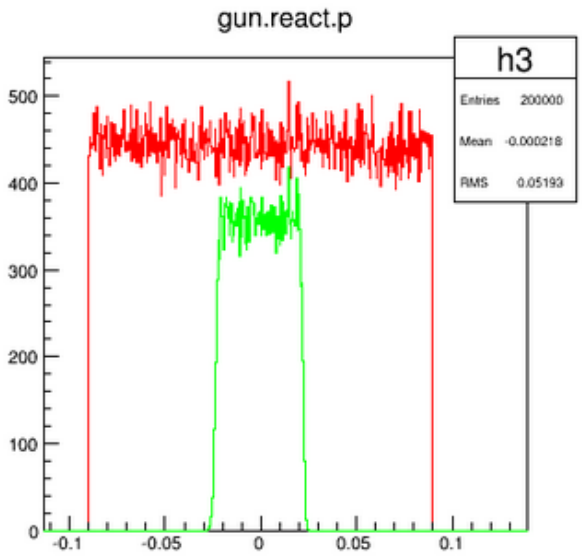

Target dp

- Snake model
- Red (event generator)
- Green (accepted)
- E=2.2GeV
  2.5T Trans
  P=1.5GeV

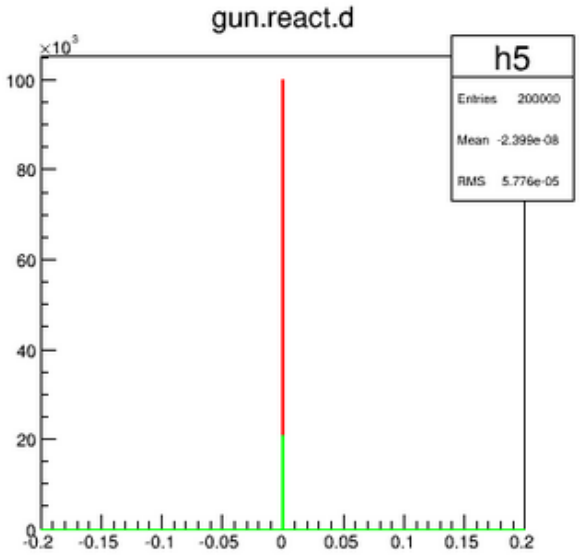
# Acceptance study for phi




Target Theta/rad



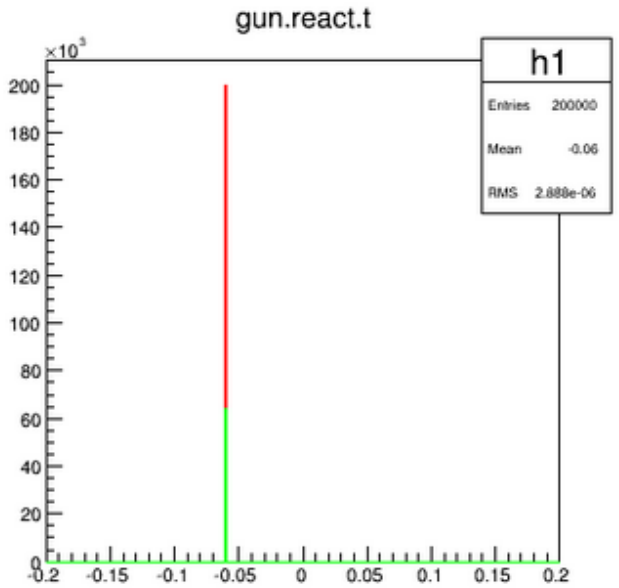

Target Phi/rad

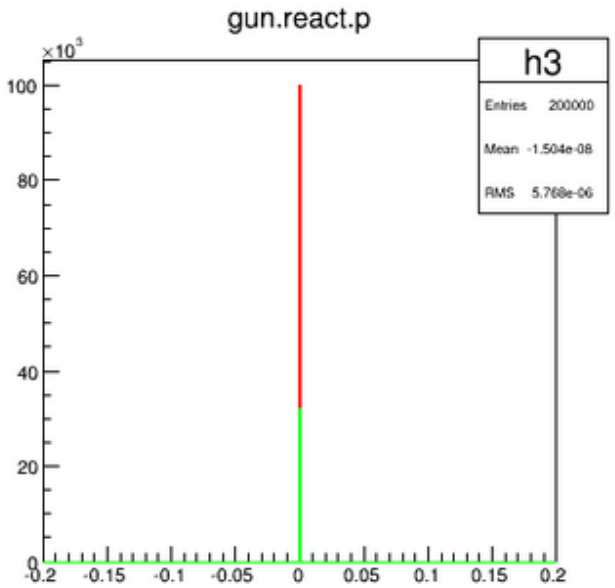


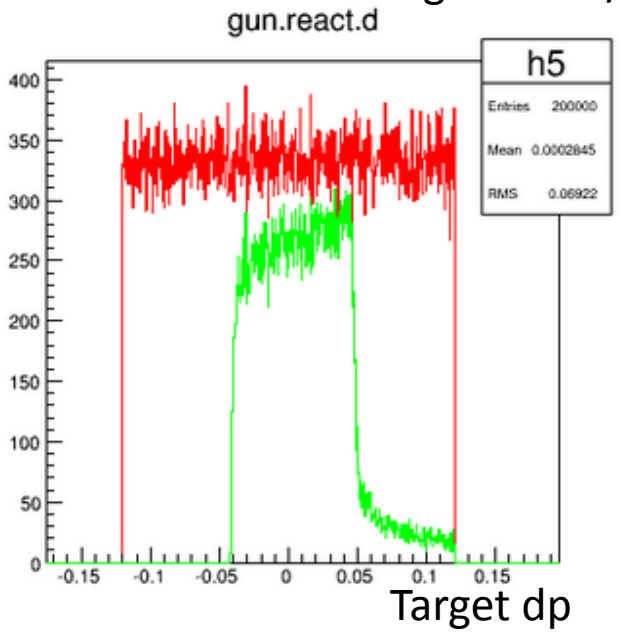

Target dp

- Snake model
- Red (event generator)
- Green (accepted)
- E=2.2GeV
  2.5T Trans
  P=1.5GeV

# Acceptance study for delta



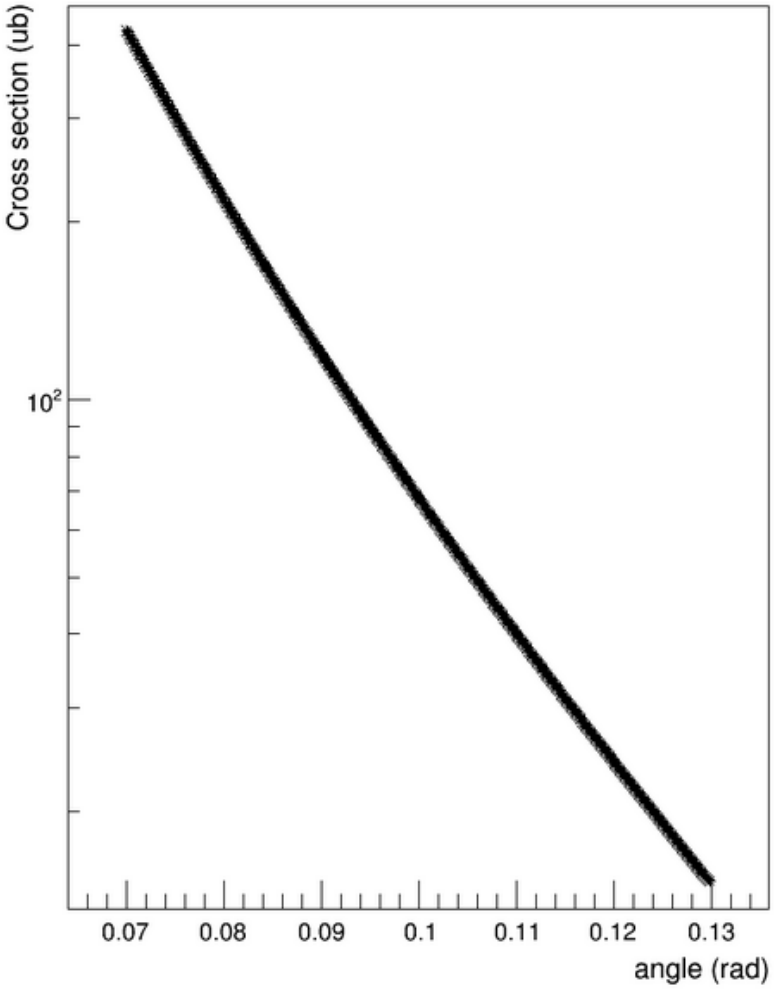



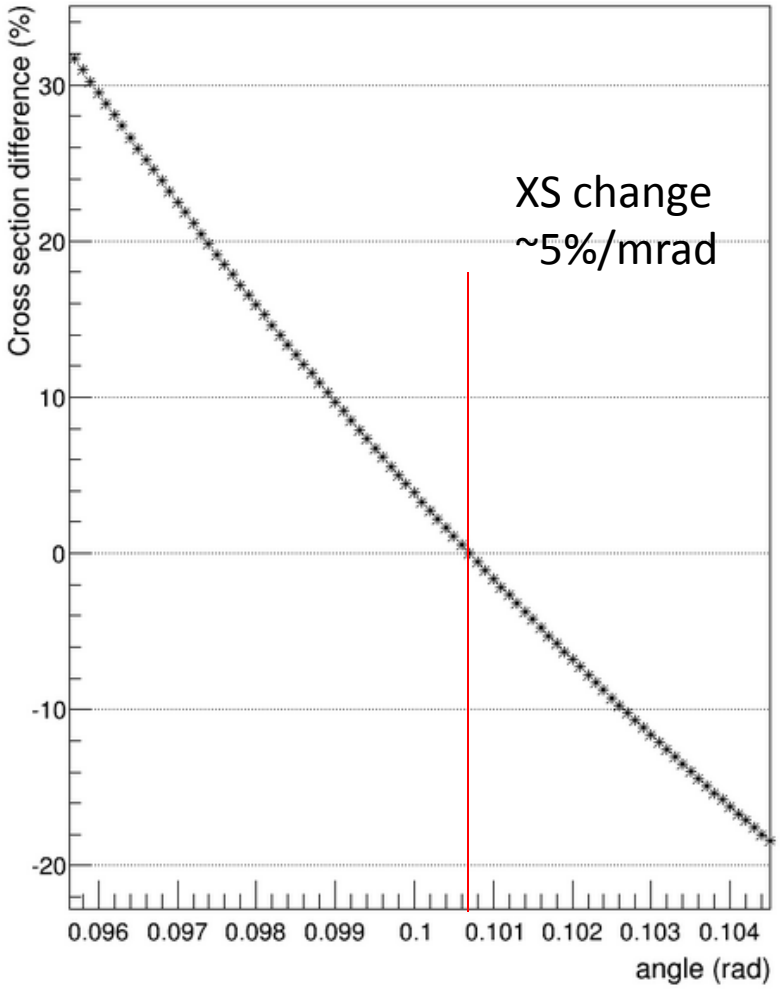

- Snake model
- Red (event generator)
- Green (accepted)
- E=2.2GeV
  2.5T Trans
  P=1.5GeV

# Hydrogen elastic XS -----calculate directly

XS vs. scattering angle

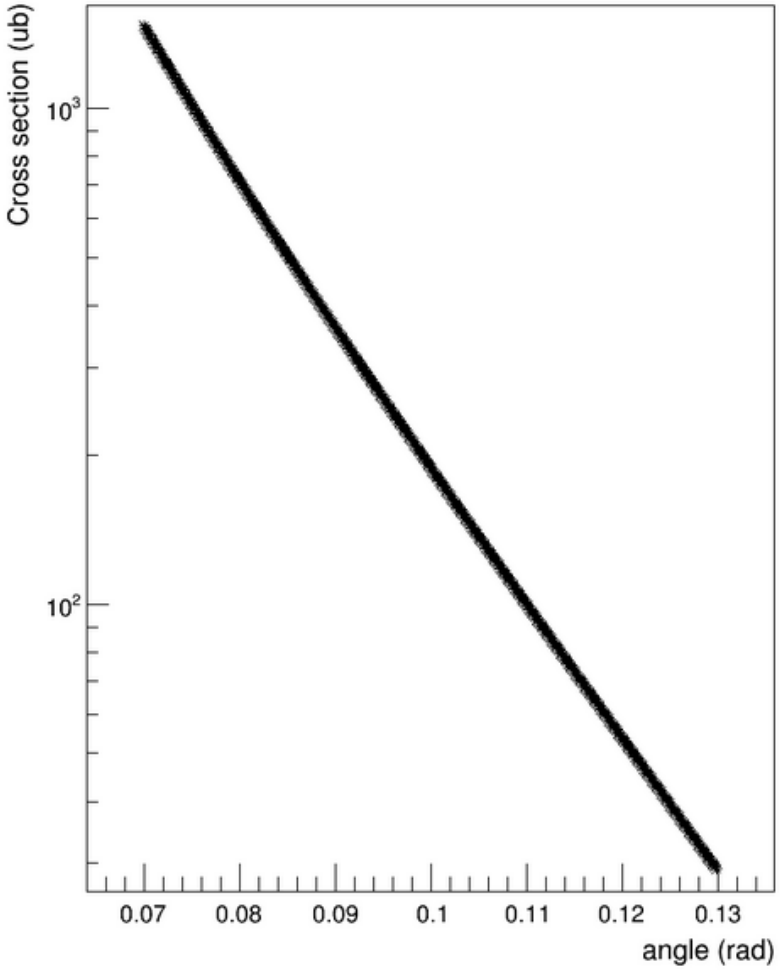



**(XS-XS_expect)/ XS_expect vs. scattering angle**

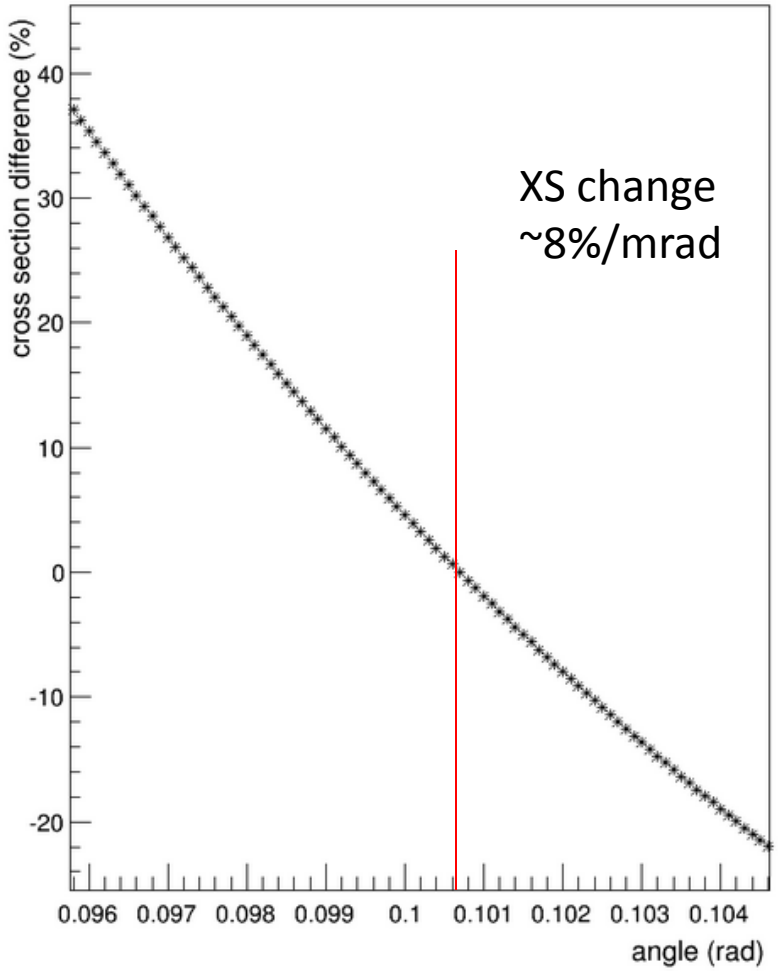


# Helium elastic XS -----calculate directly

XS vs. scattering angle

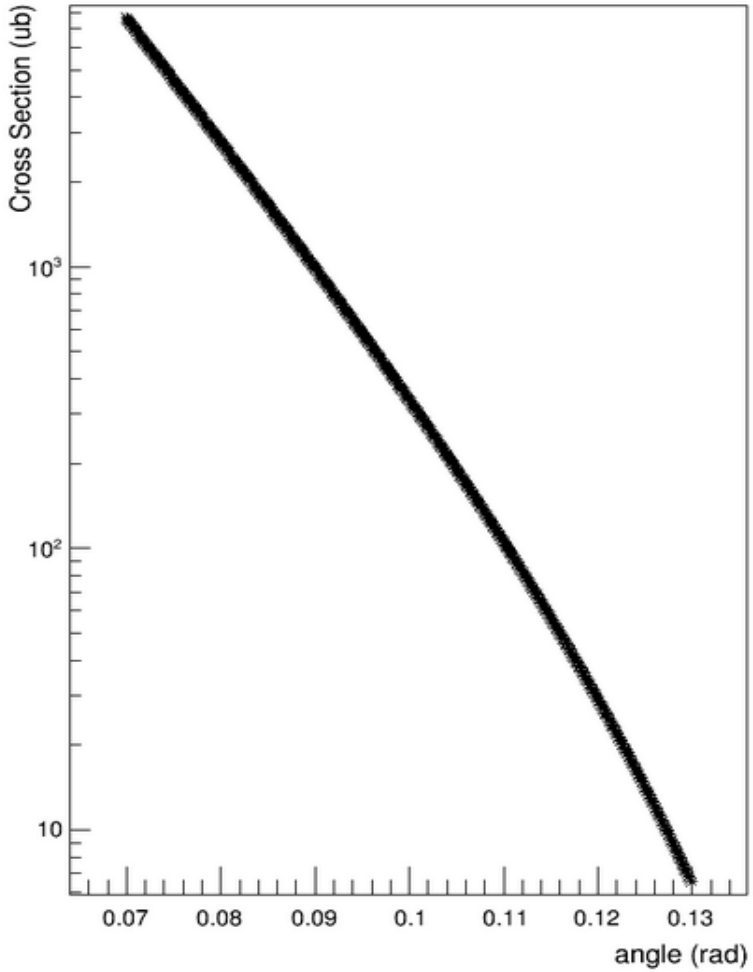



**(XS-XS_expect)/ XS_expect vs. scattering angle**

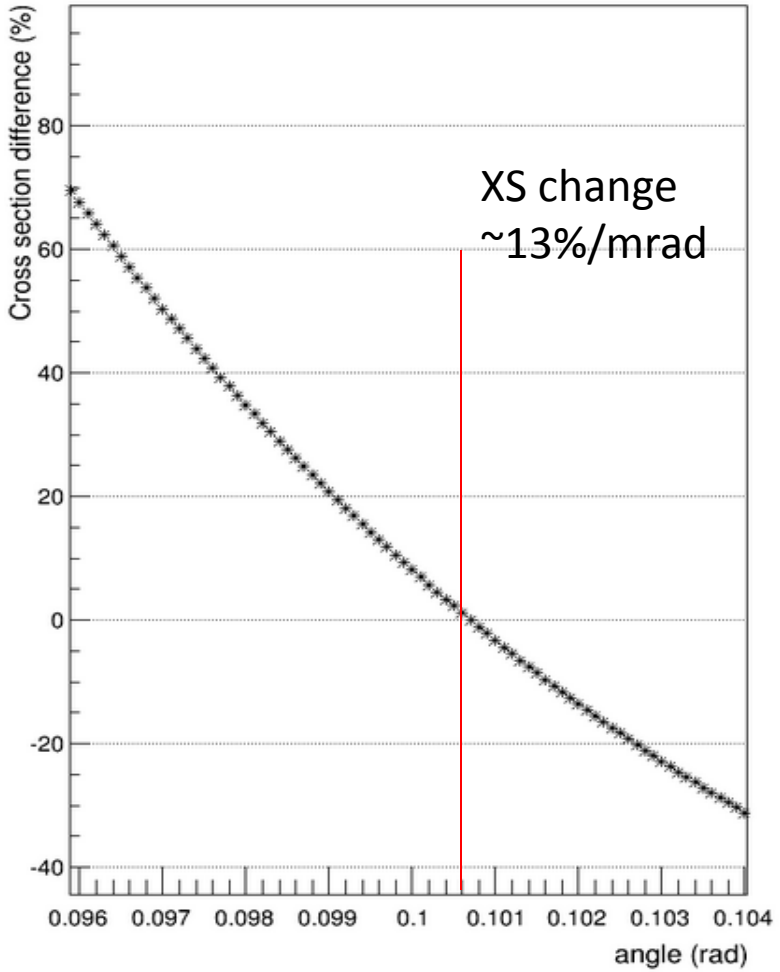


# Nitrogen elastic XS -----calculate directly

XS vs. scattering angle

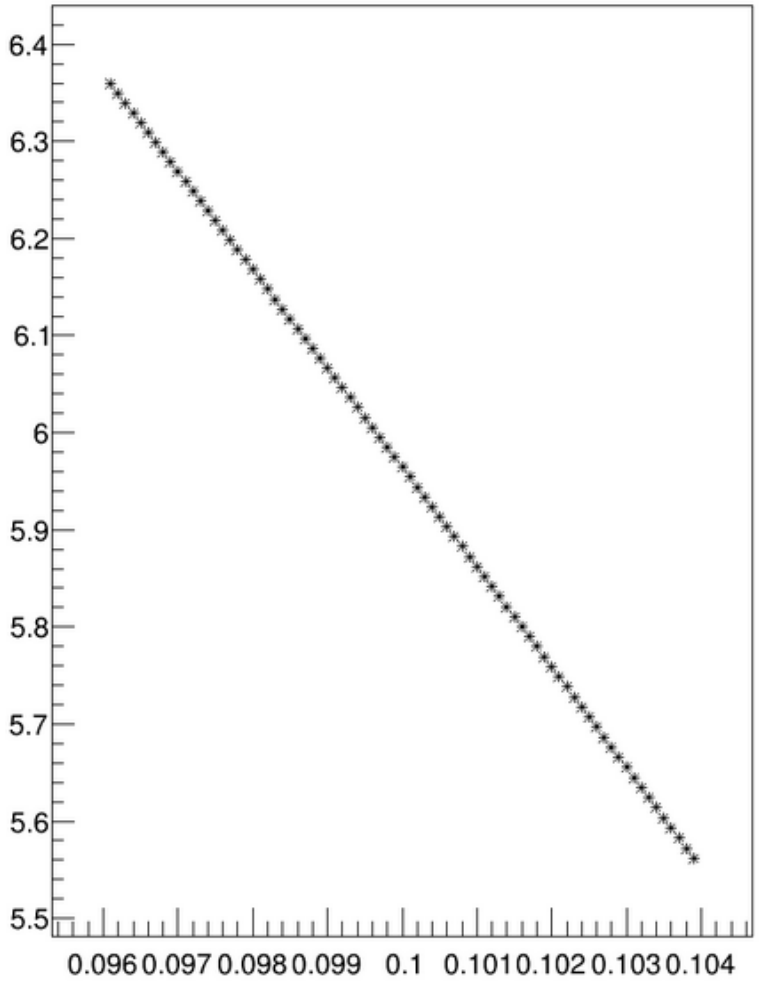



**(XS-XS_expect)/ XS_expect vs. scattering angle**



# Carbon elastic XS -----calculate directly

XS vs. scattering angle




**(XS-XS_expect)/ XS_expect vs. scattering angle**