

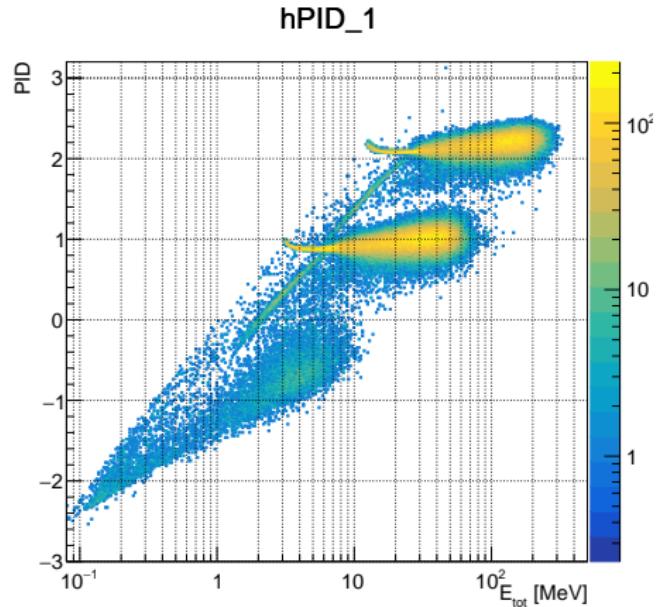
# GEANT4 Simulation Report

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**Figure:** PID, No Gaussian Smearing, Total Energy is the Energy reconstructed.

# PID No Calorimeter

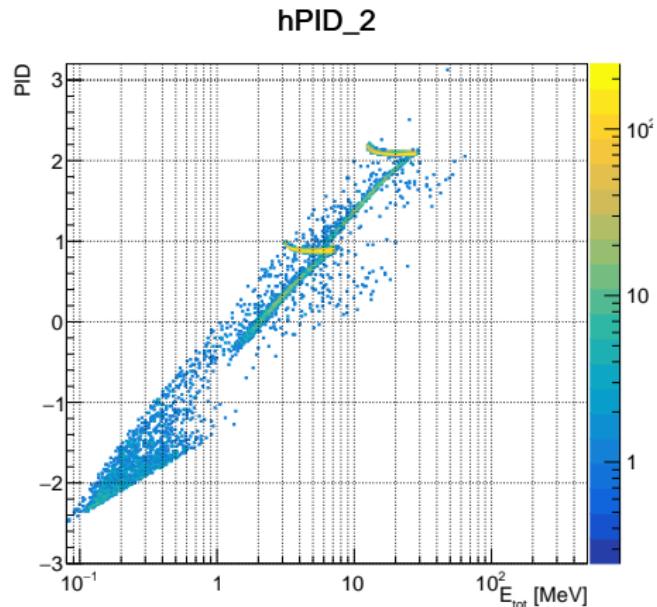
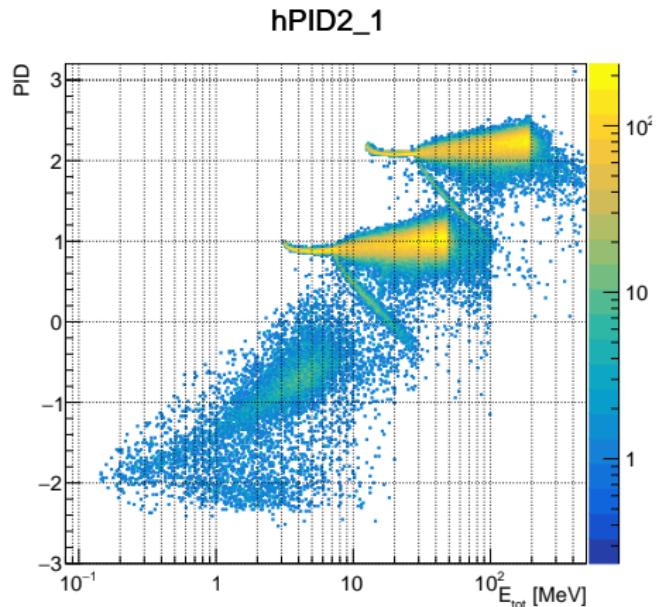


Figure: PID, No Gaussian Smearing, Total Energy is the Energy reconstructed, No Calorimeter.

# PID MC Energy



**Figure:** PID, No Gaussian Smearing, Total Energy is the MC Energy.

# PID MC Energy No Calorimeter

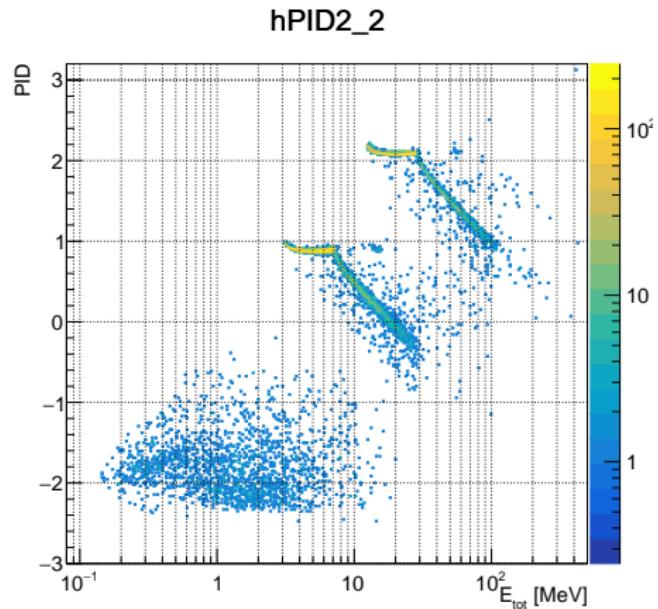


Figure: PID, No Gaussian Smearing, Total Energy is the MC Energy, No Calorimeter.

# PID Gaussian Smearing

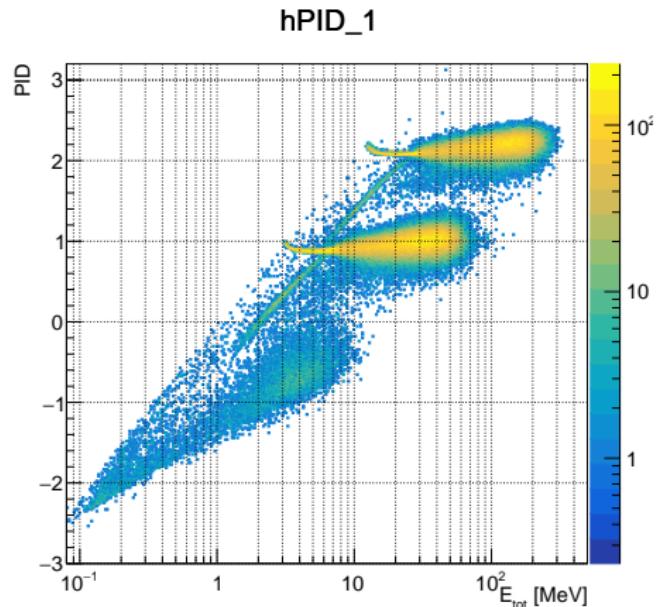


Figure: PID, Gaussian Smearing, Total Energy is the Energy reconstructed.

# PID Gaussian Smearing No Calorimeter

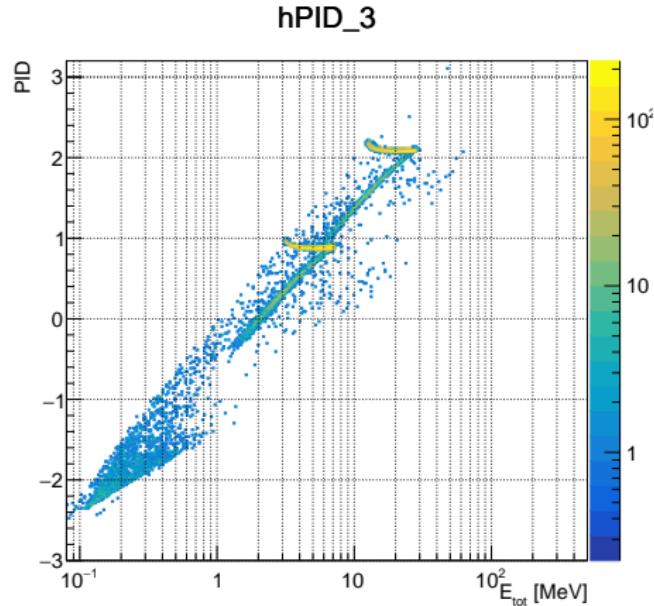
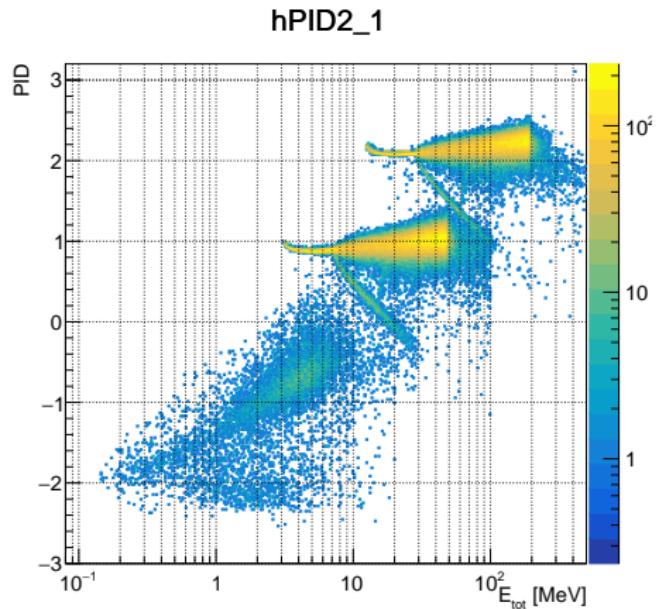


Figure: PID, Gaussian Smearing, Total Energy is the Energy reconstructed, No Calorimeter.

# PID MC Energy Gaussian Smearing



**Figure:** PID, Gaussian Smearing, Total Energy is the MC Energy.

# PID MC Energy Gaussian Smearing No Calorimeter

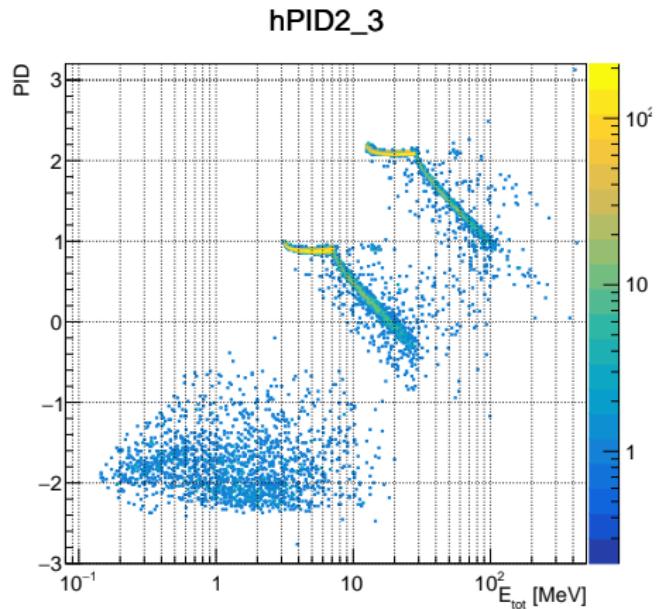


Figure: PID, Gaussian Smearing, Total Energy is the MC Energy, No Calorimeter.

# PID graphs

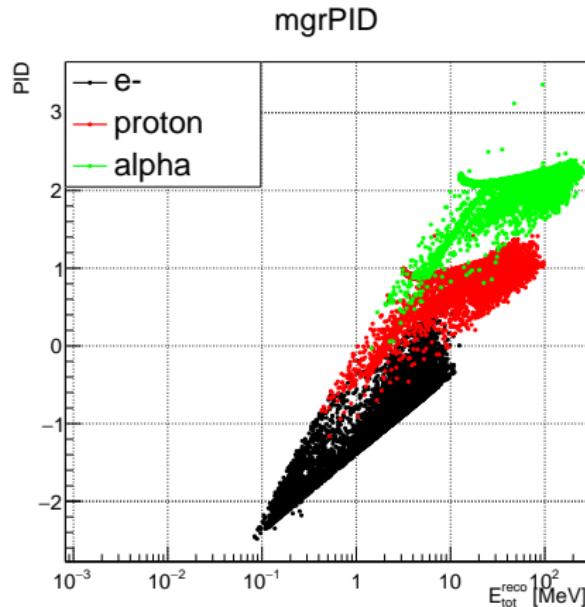


Figure: PID, Gaussian Smearing, Total Energy is the Energy reconstructed, No Calorimeter.

# MC quantities for e-\_t0

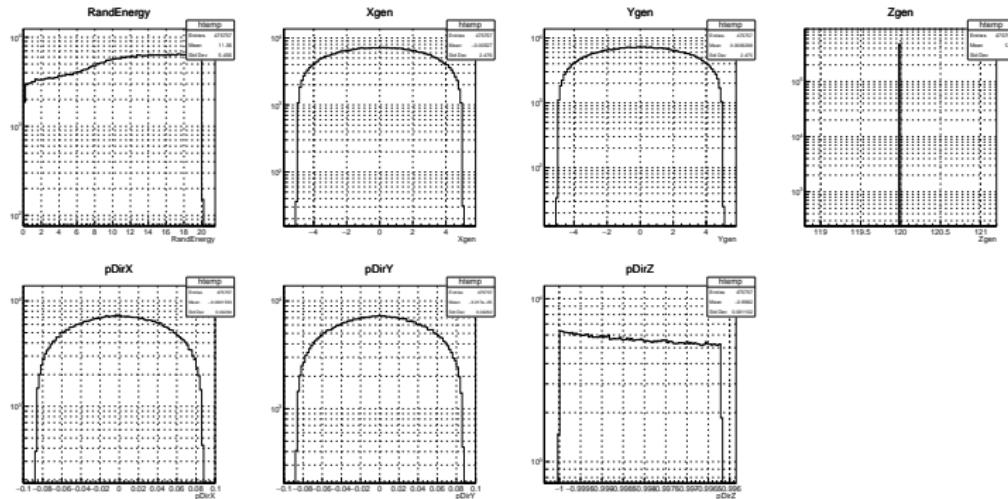
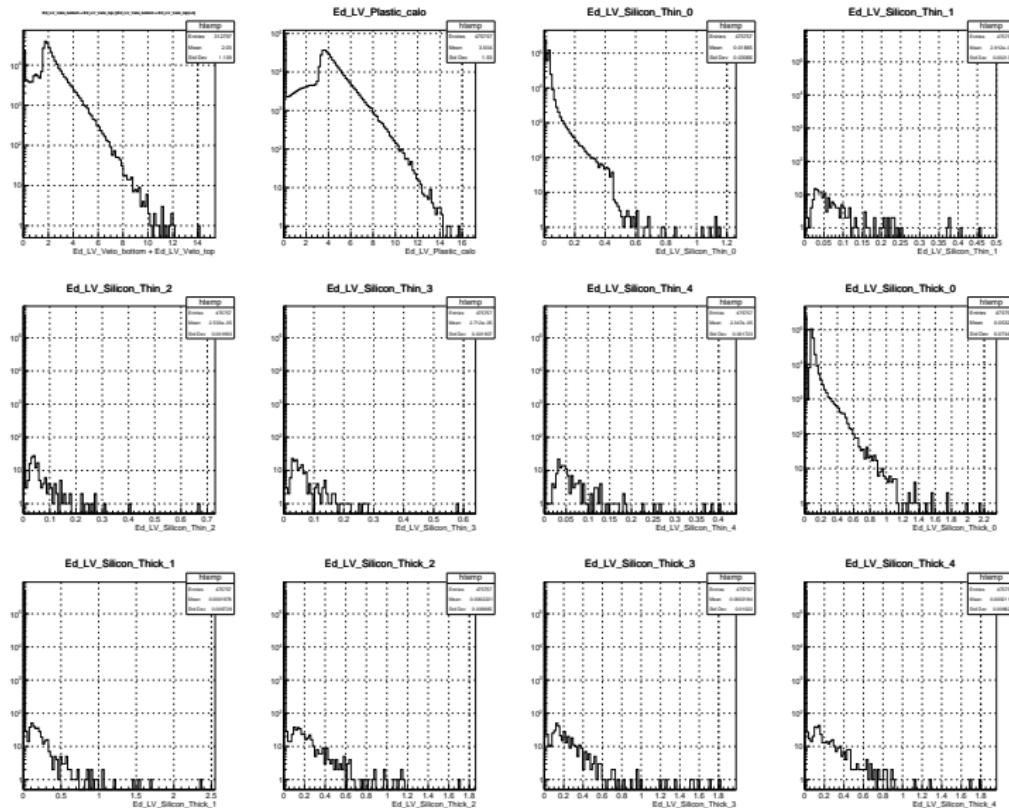


Figure: MC quantities

# Energies distribution for e-



## Angles distribution accepted for e-

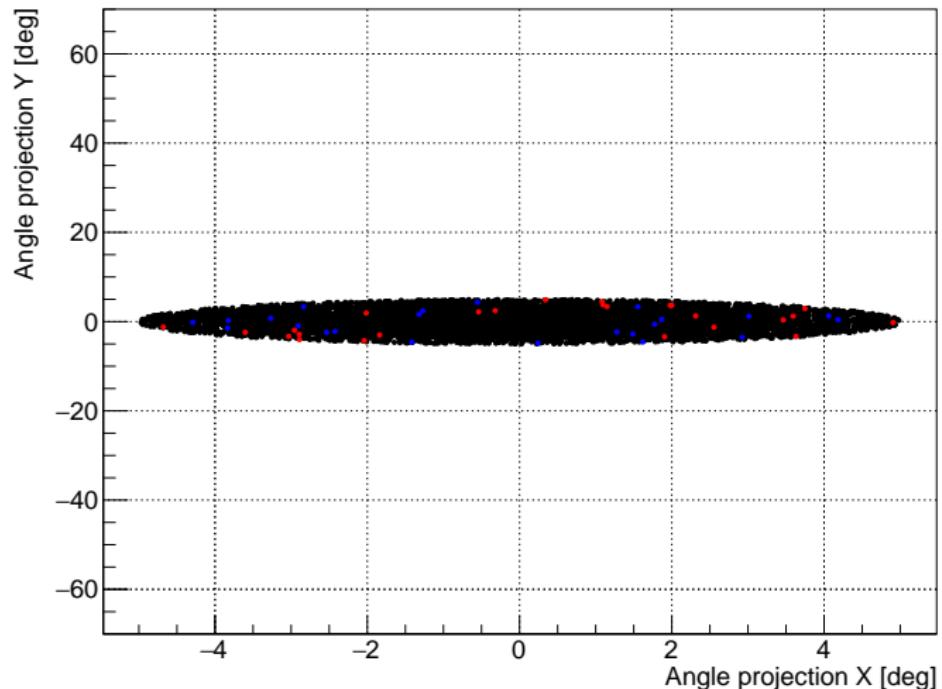


Figure: Angles distribution

## Angles distribution accepted for e-

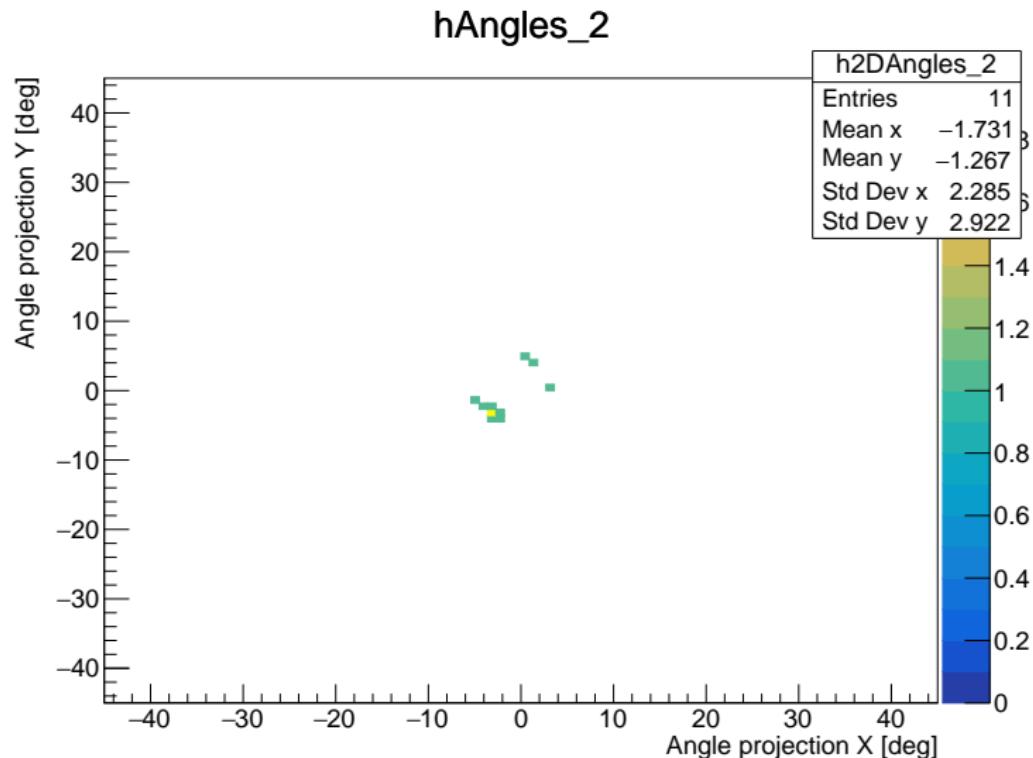


Figure: Angles distribution

## Angles distribution accepted for e-

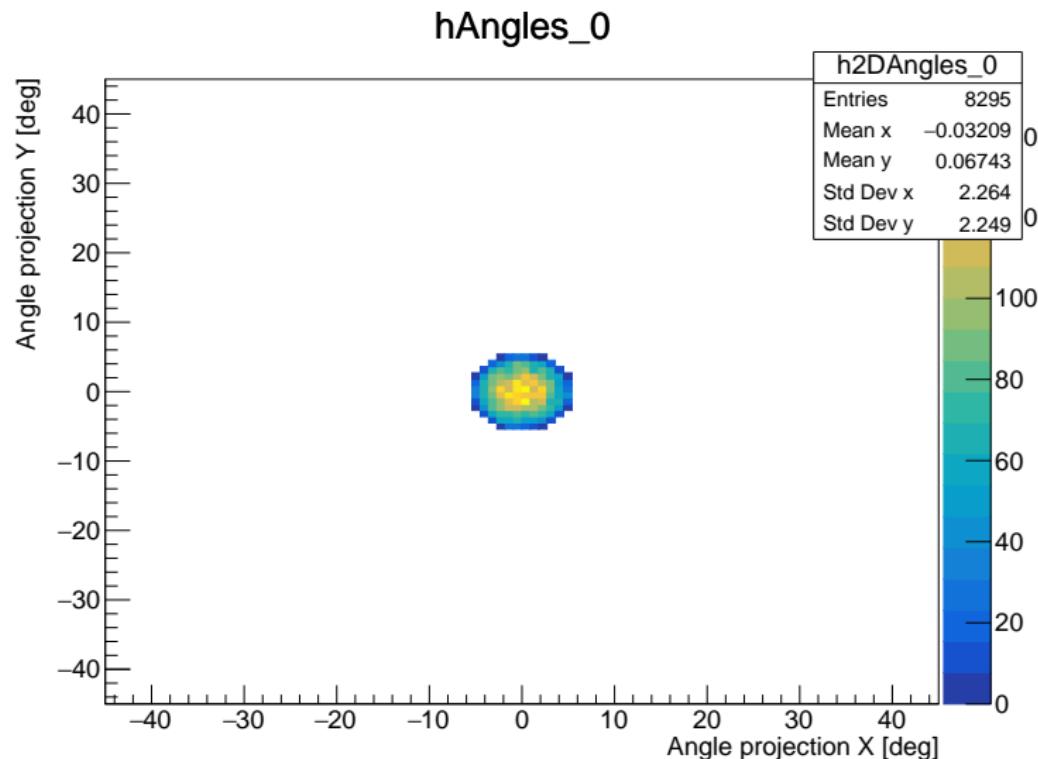


Figure: Angles distribution

## Angles distribution accepted for e-

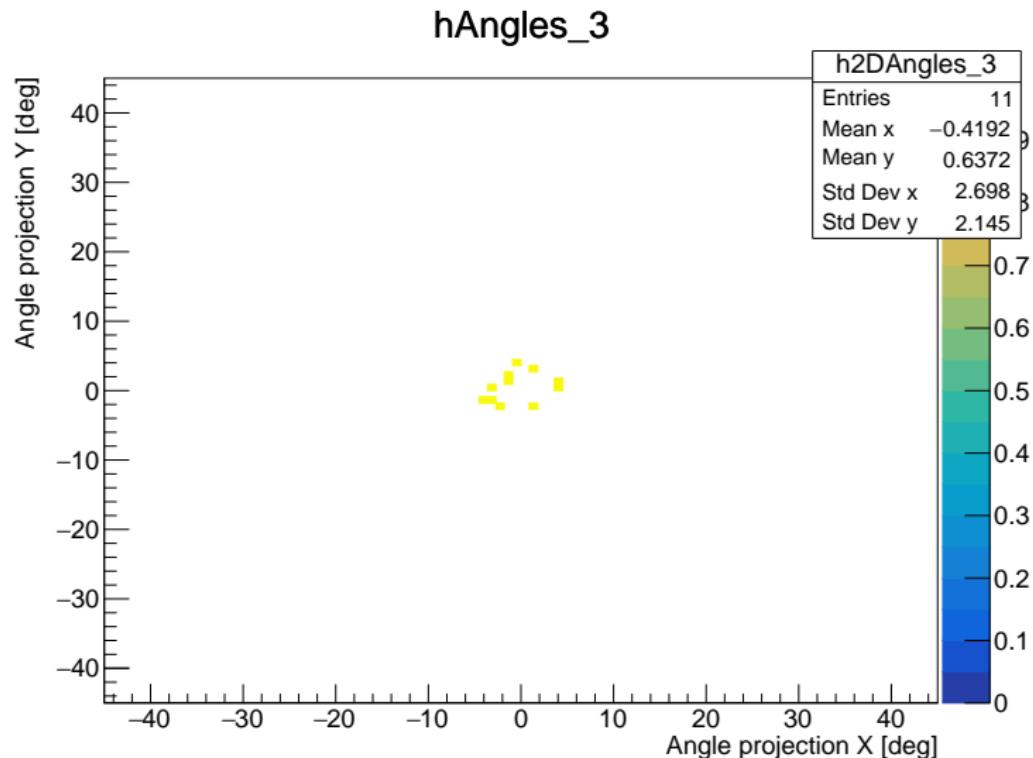


Figure: Angles distribution

## Angles distribution accepted for e-

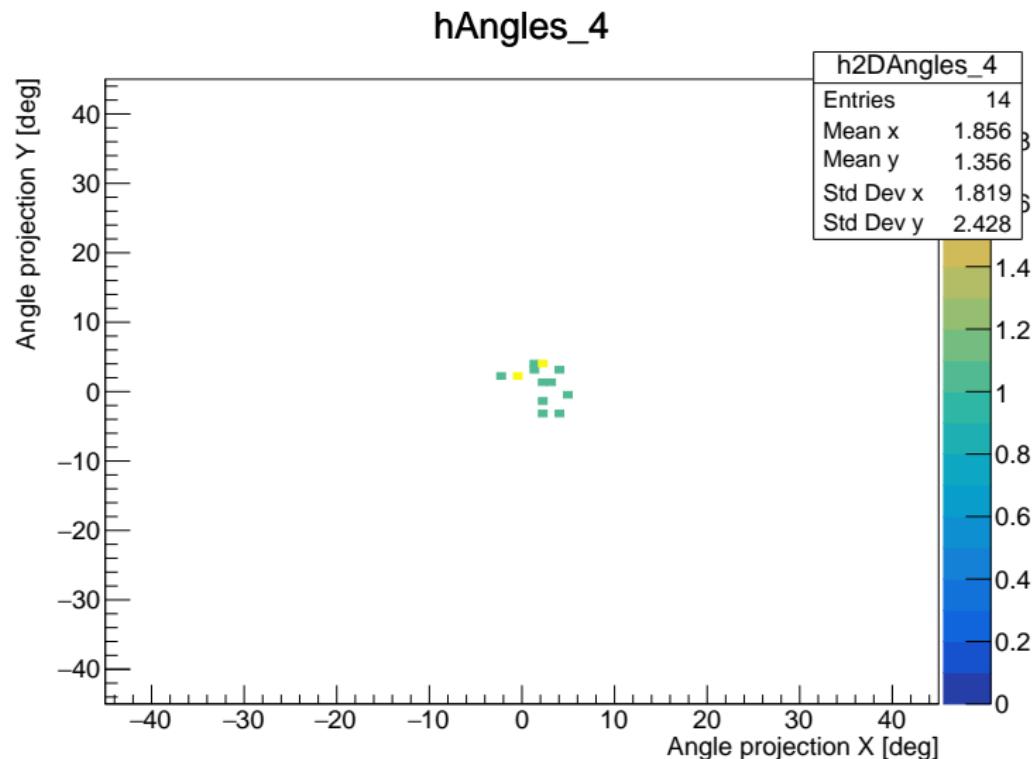


Figure: Angles distribution

## Angles distribution accepted for e-

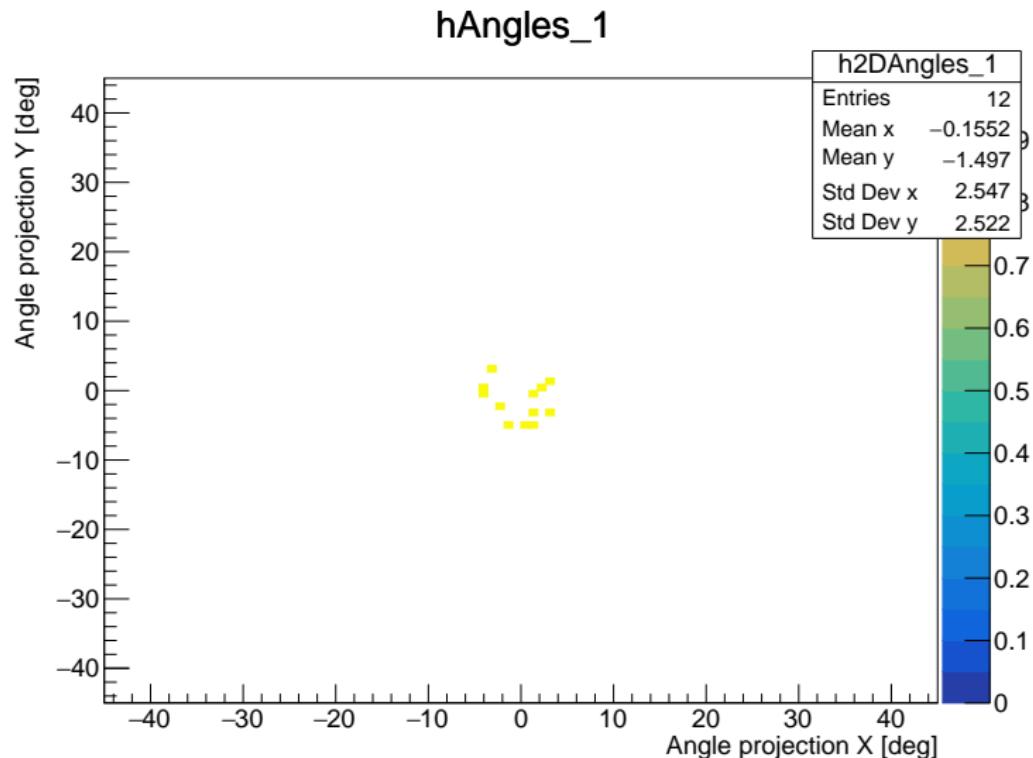


Figure: Angles distribution

## Generation Position distribution accepted for e-

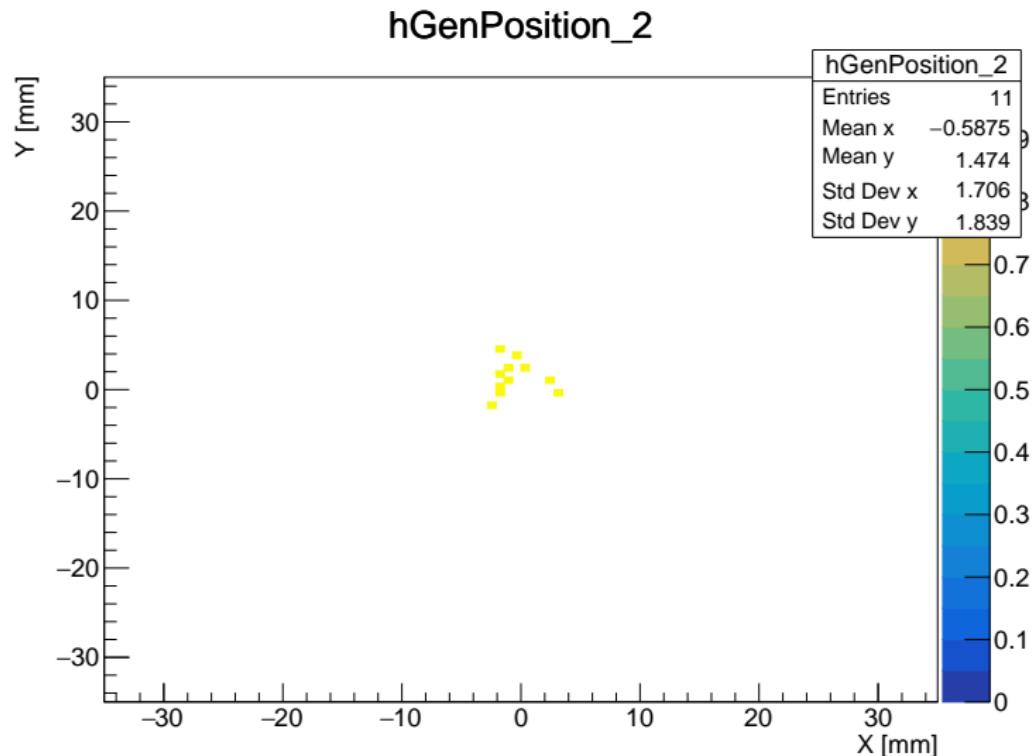


Figure: Generation Position

## Generation Position distribution accepted for e-

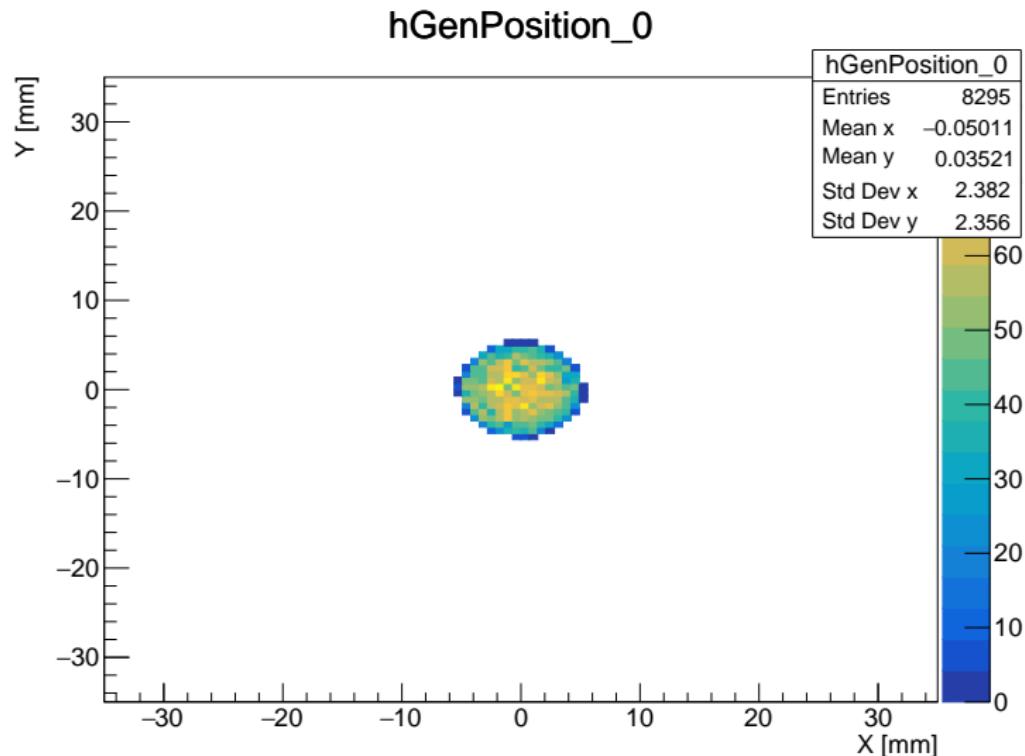


Figure: Generation Position

## Generation Position distribution accepted for e-

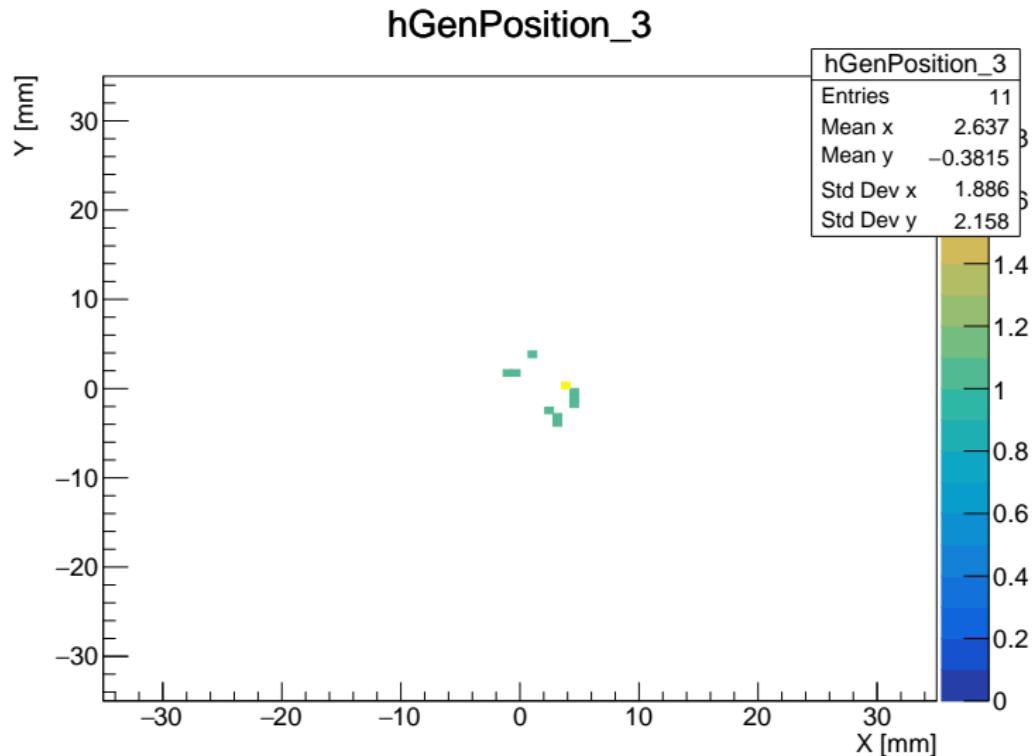


Figure: Generation Position

## Generation Position distribution accepted for e-

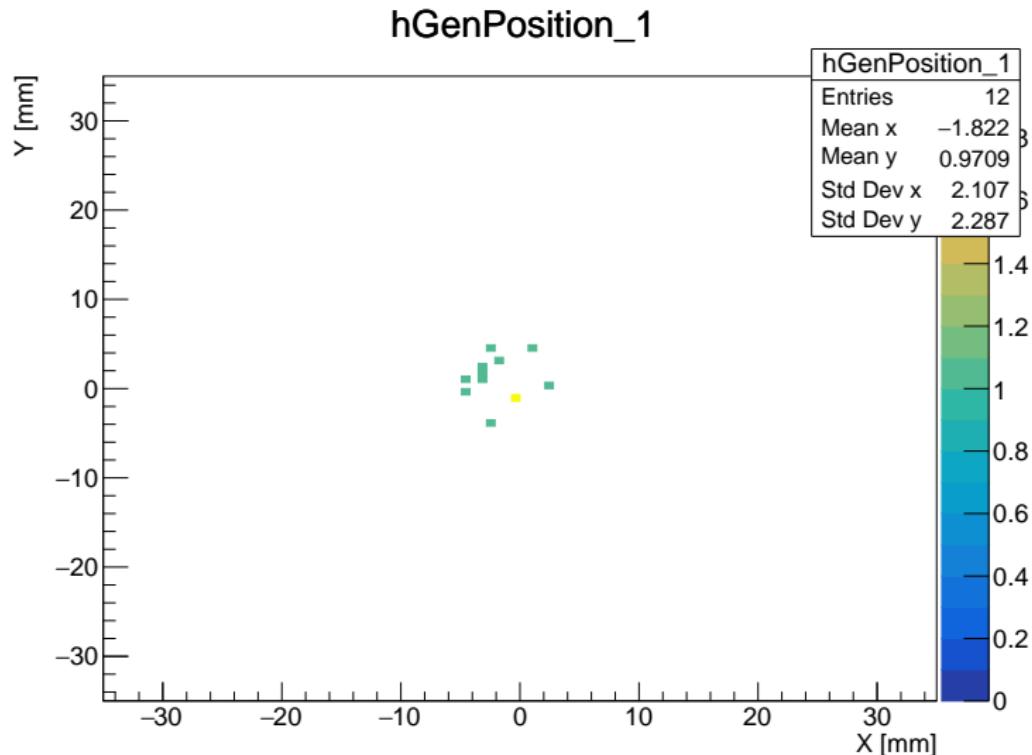


Figure: Generation Position

## Generation Position distribution accepted for e-

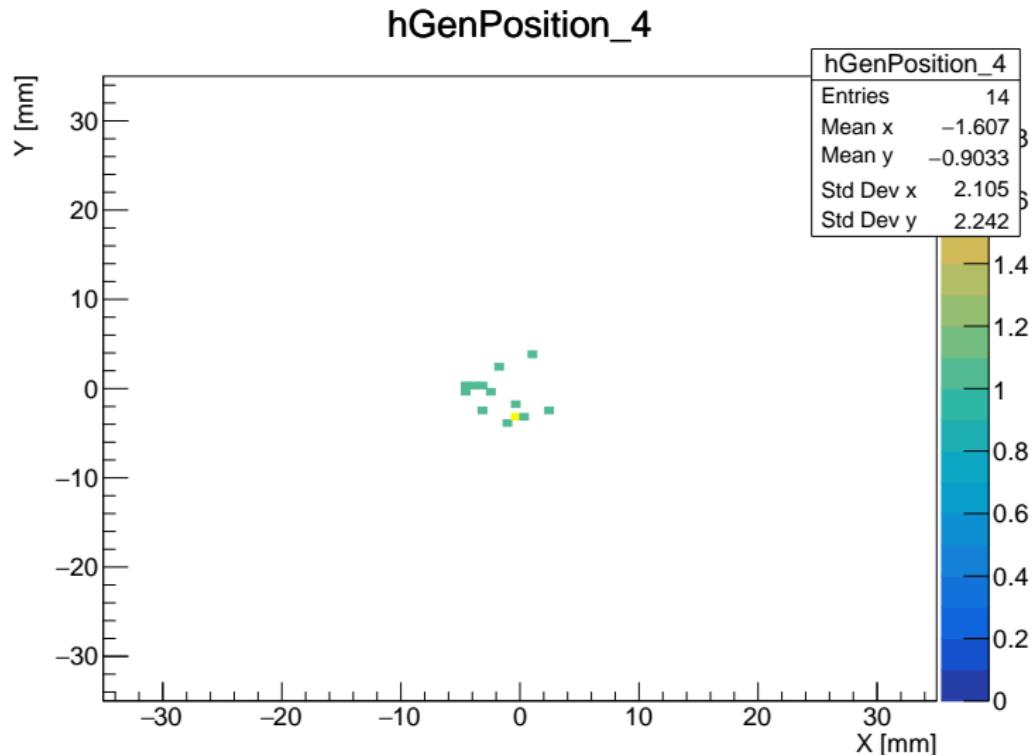


Figure: Generation Position

## Geometric factors for e-

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# MC quantities for proton\_t0

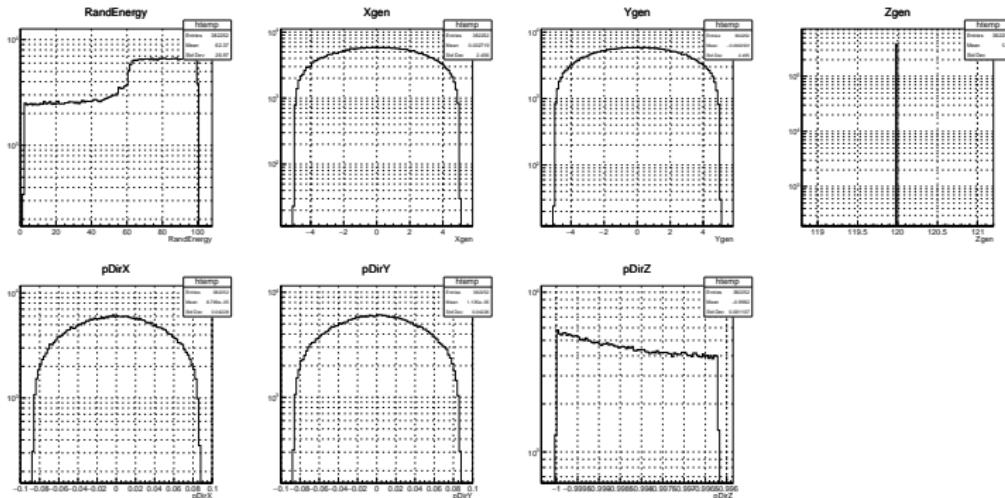
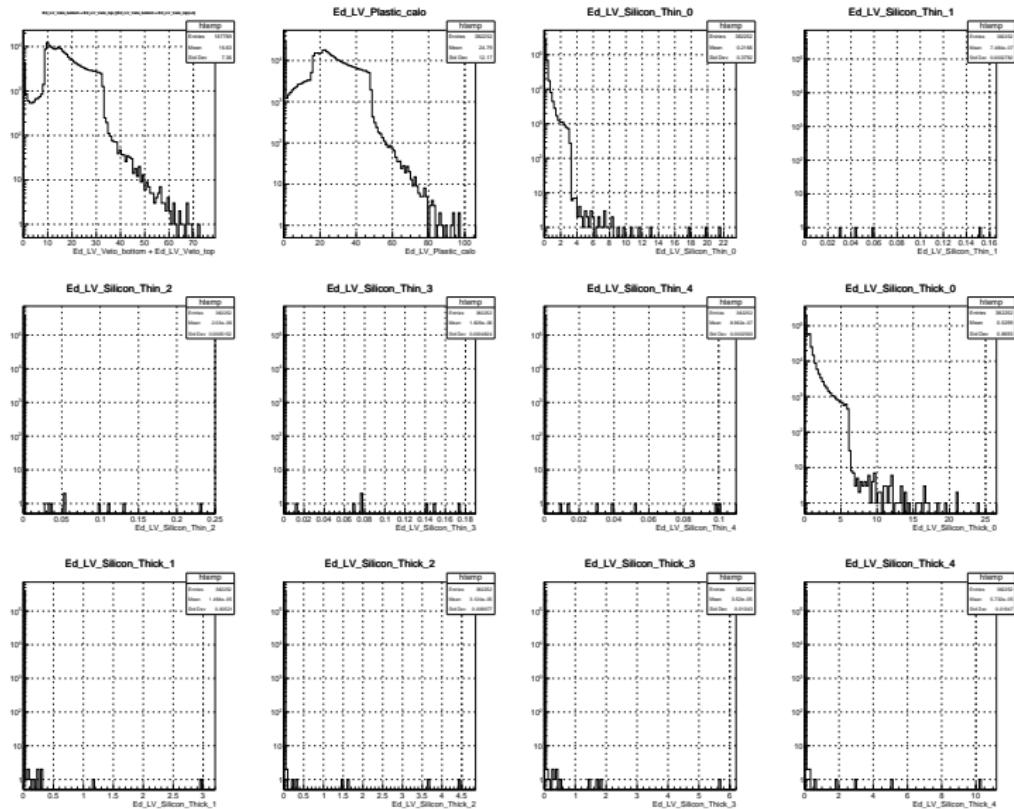


Figure: MC quantities

# Energies distribution for proton



## Angles distribution accepted for proton

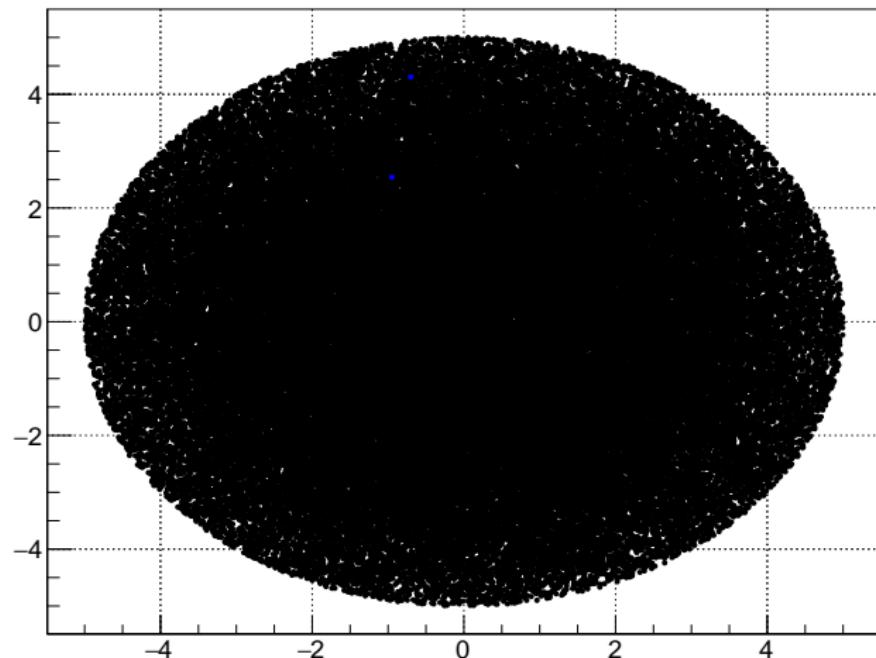


Figure: Angles distribution

## Angles distribution accepted for proton

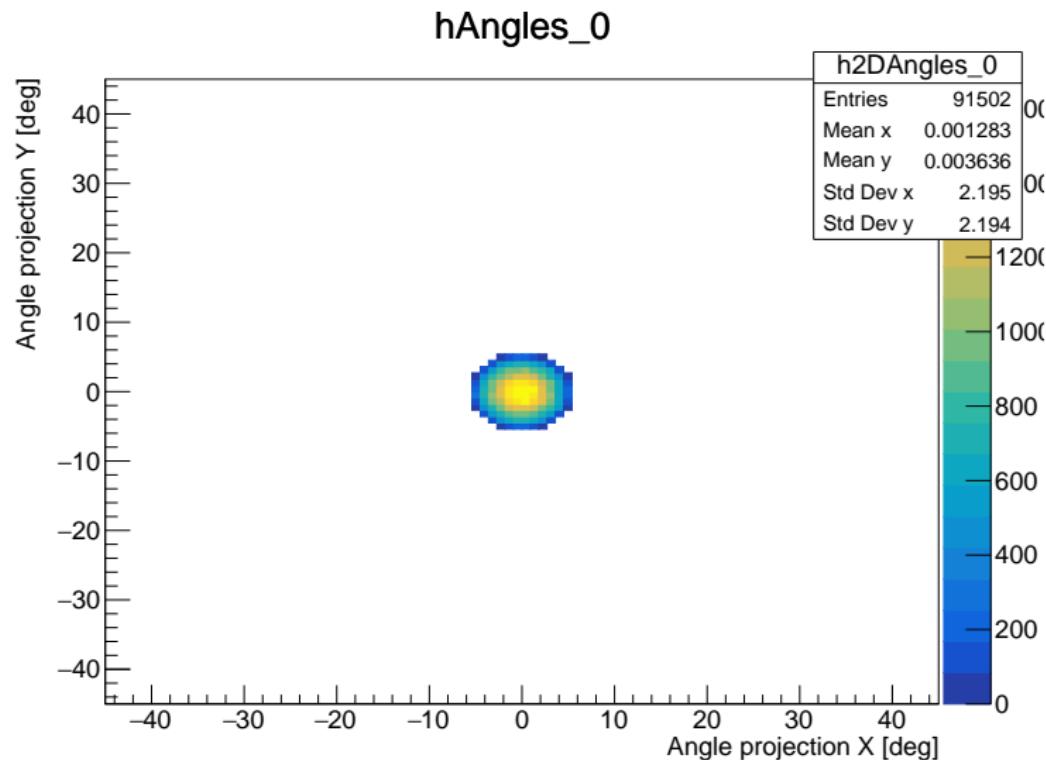


Figure: Angles distribution

## Angles distribution accepted for proton

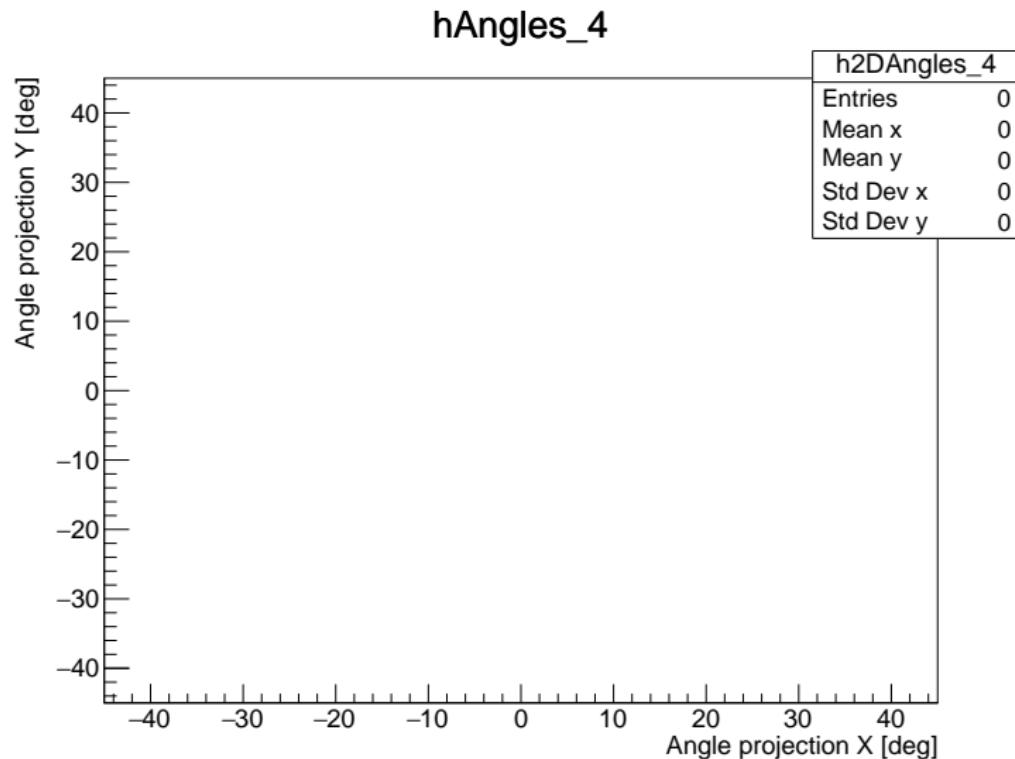


Figure: Angles distribution

## Angles distribution accepted for proton

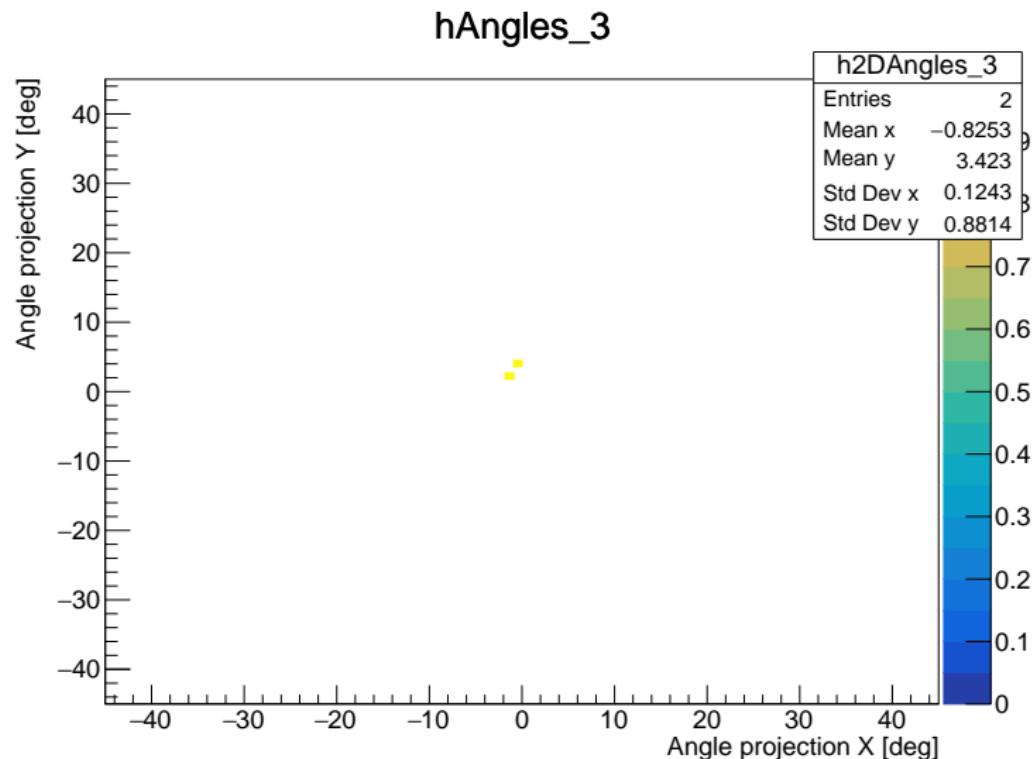


Figure: Angles distribution

## Angles distribution accepted for proton

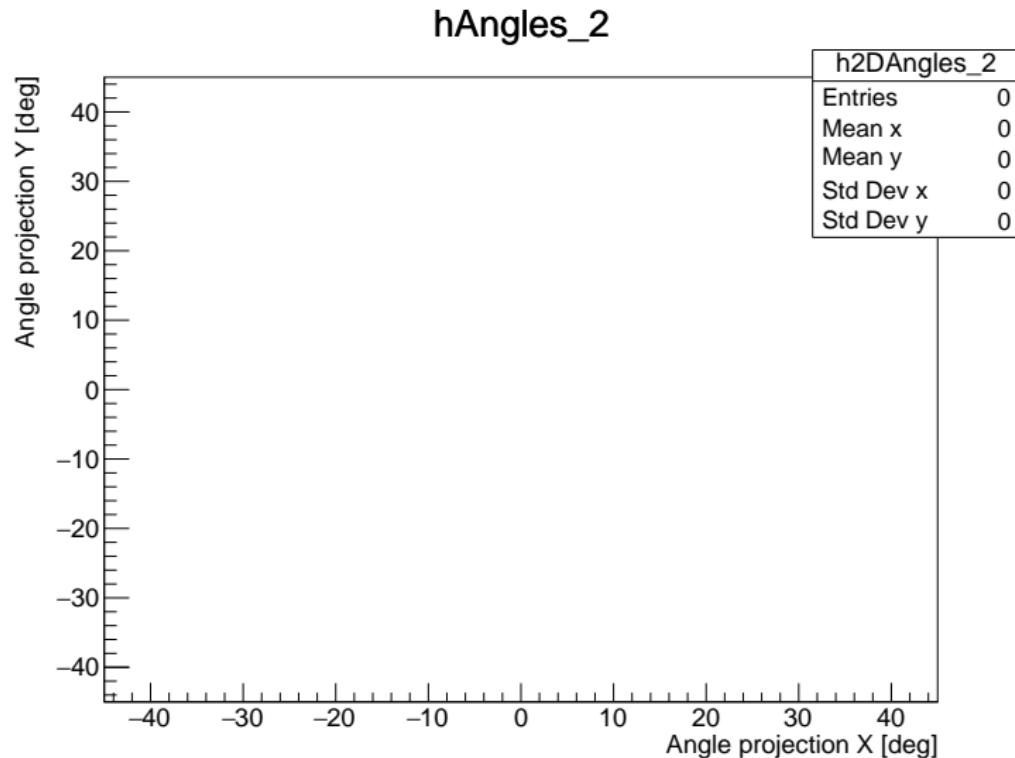


Figure: Angles distribution

## Angles distribution accepted for proton

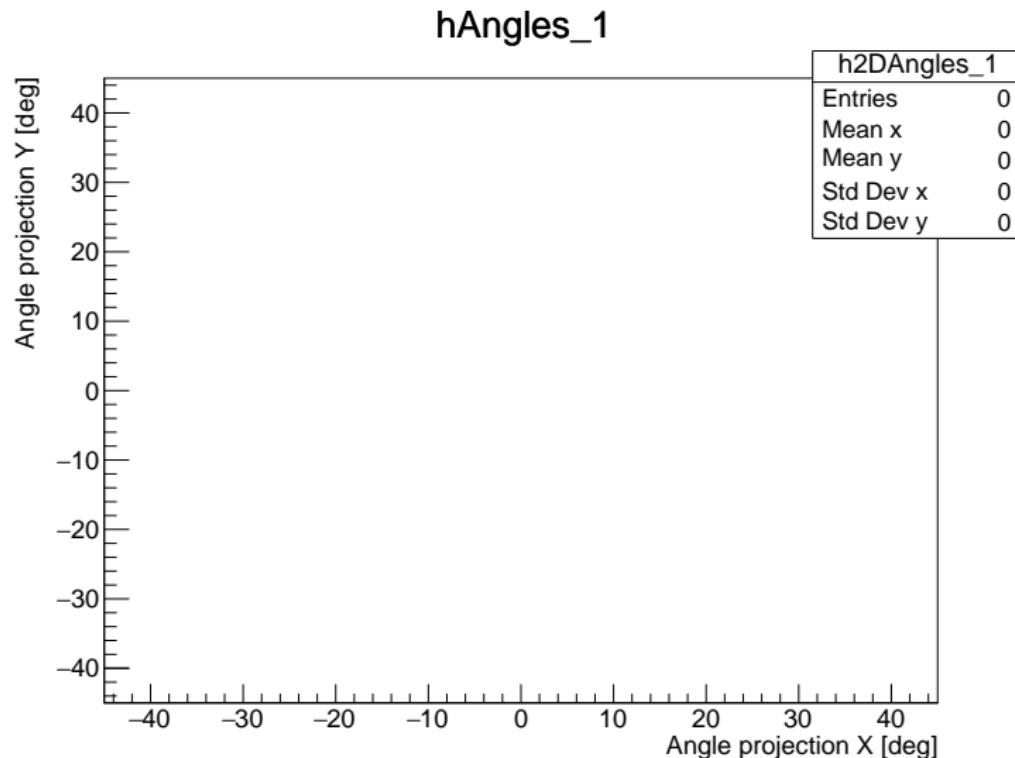


Figure: Angles distribution

## Generation Position distribution accepted for proton

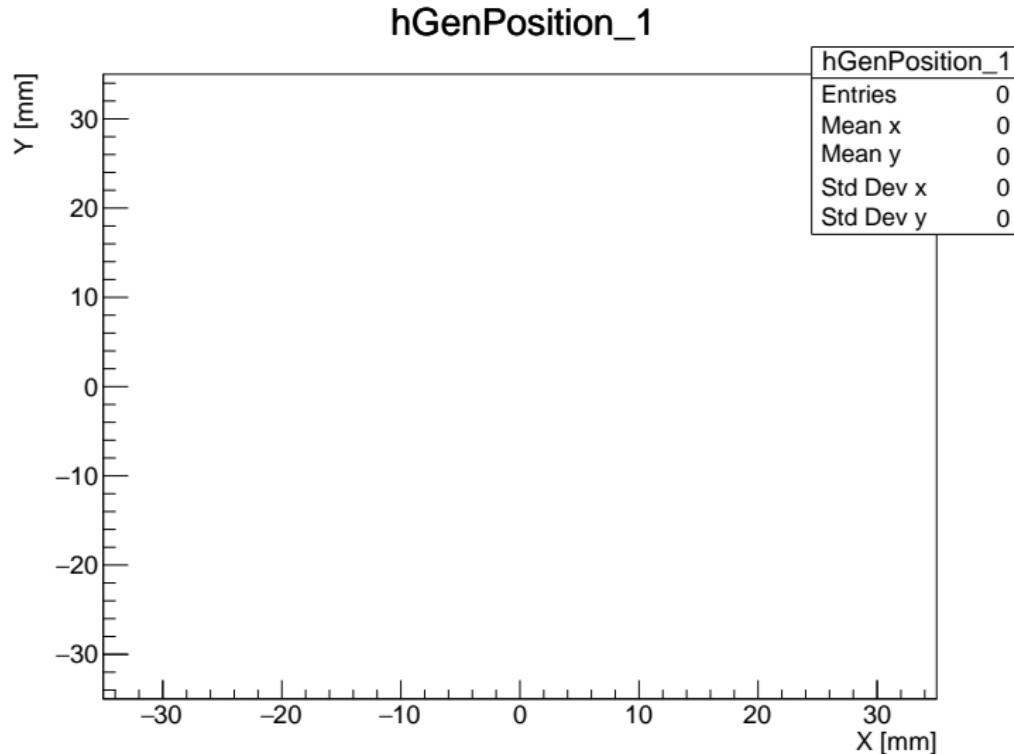


Figure: Generation Position

## Generation Position distribution accepted for proton

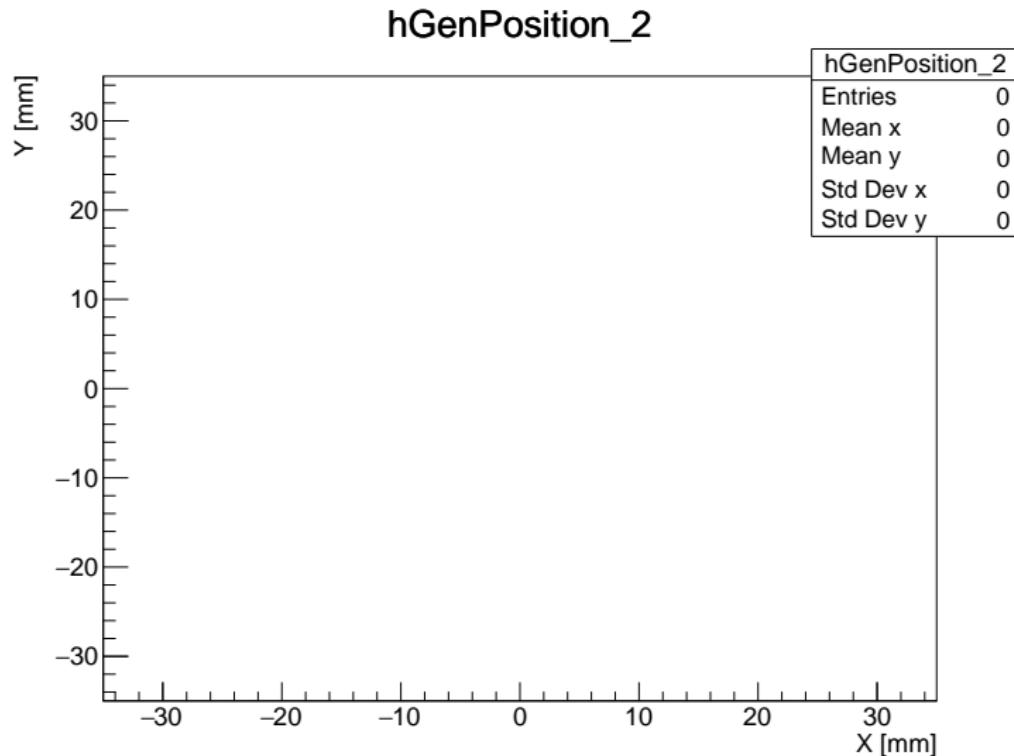


Figure: Generation Position

## Generation Position distribution accepted for proton

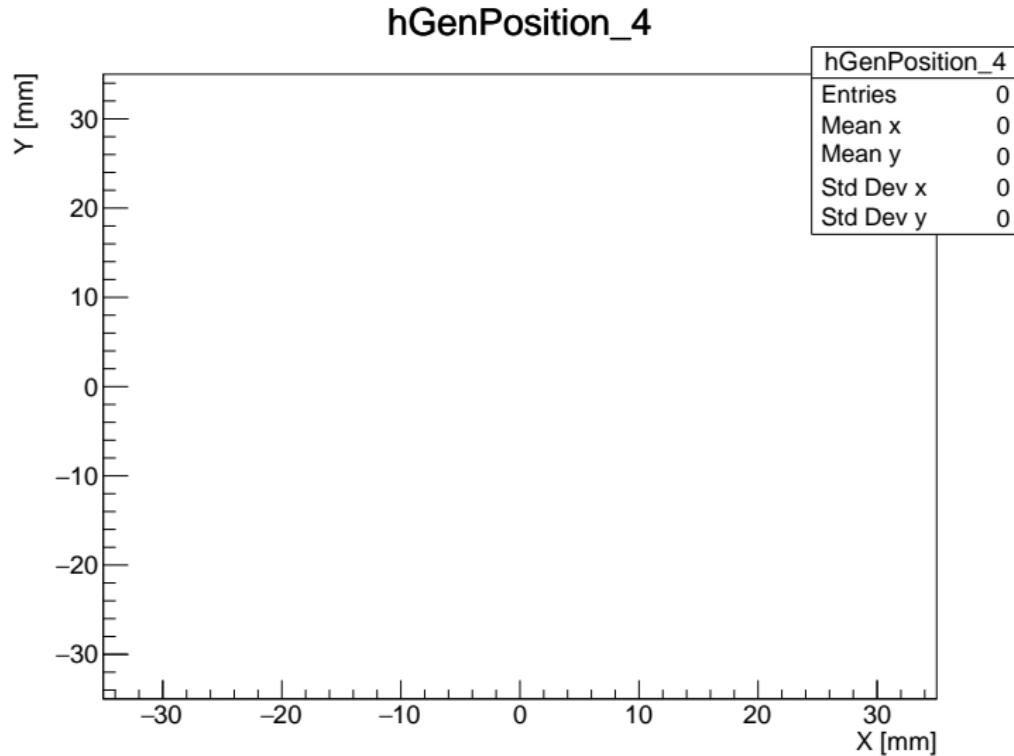


Figure: Generation Position

## Generation Position distribution accepted for proton

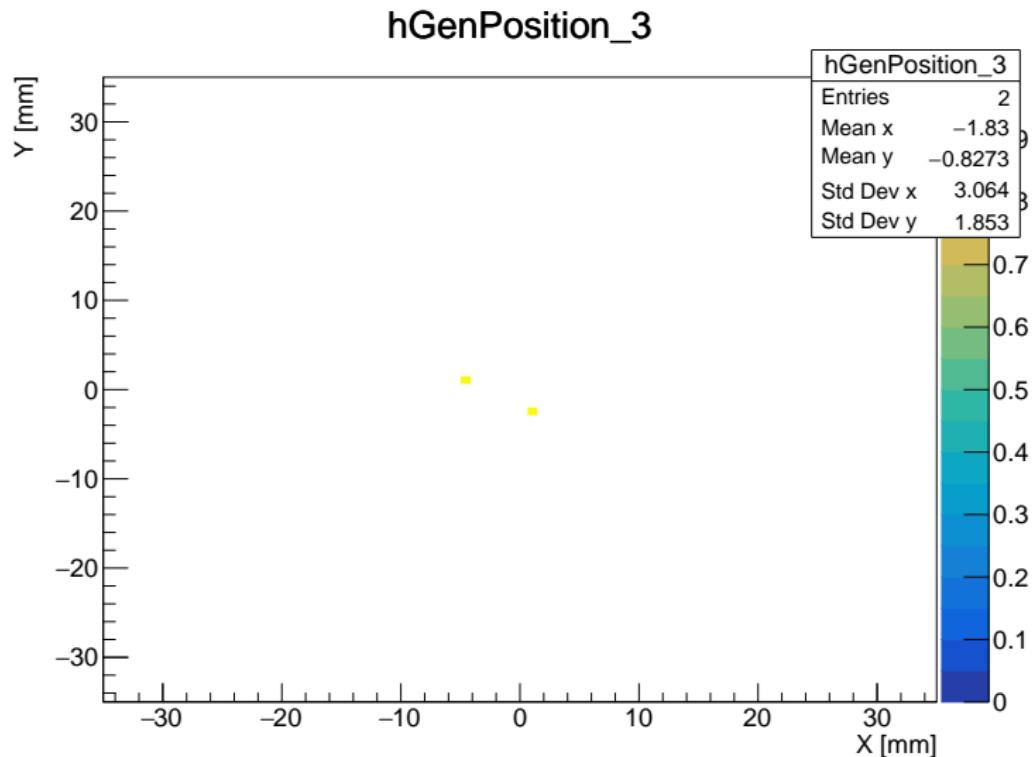


Figure: Generation Position

## Generation Position distribution accepted for proton

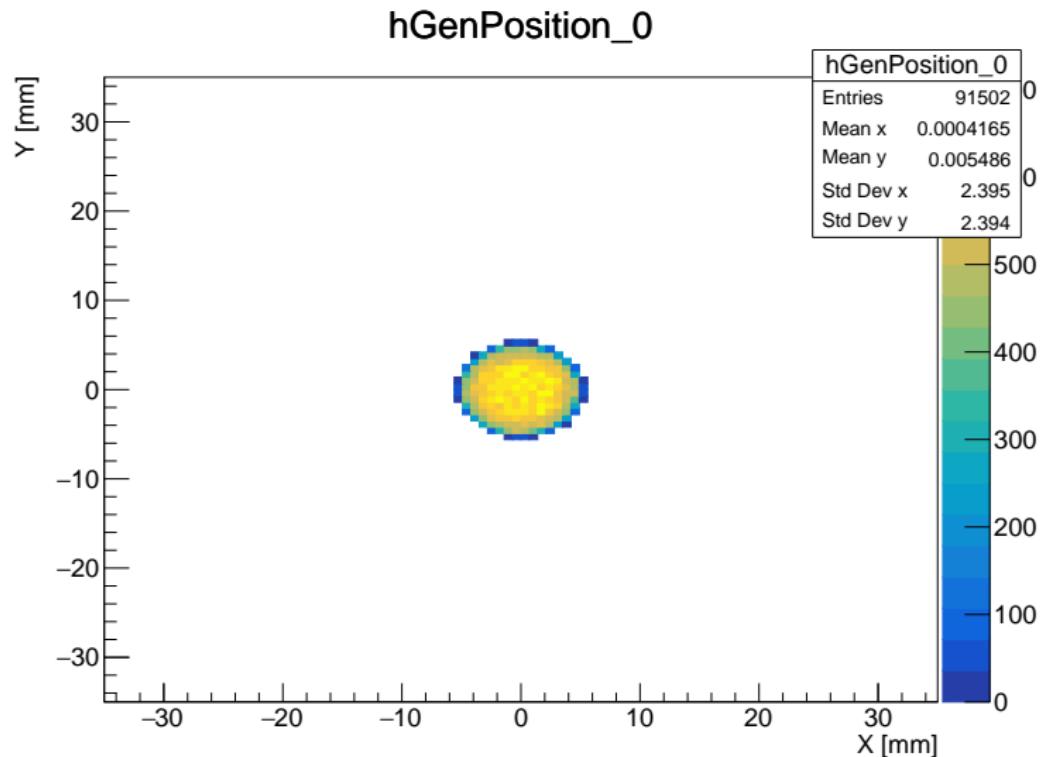


Figure: Generation Position

# Geometric factors for proton

# Geometric factors for proton

# MC quantities for alpha\_t0

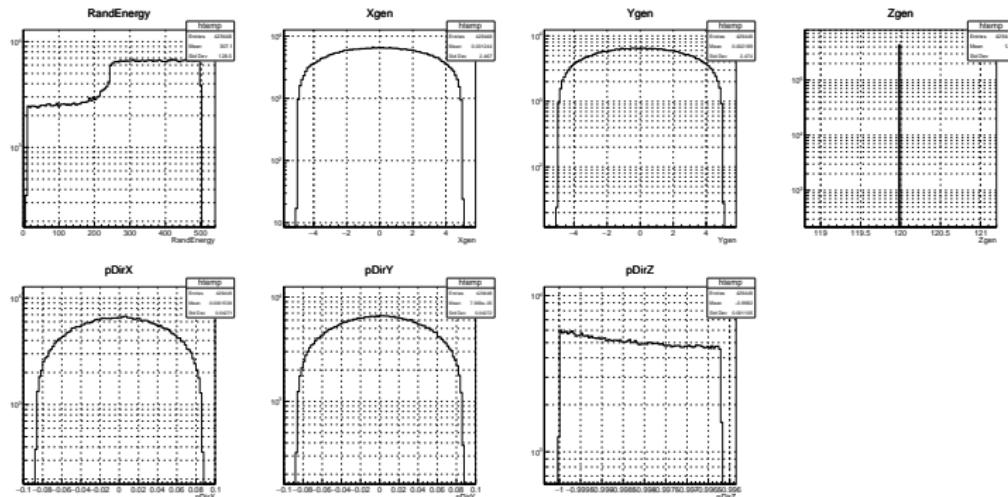
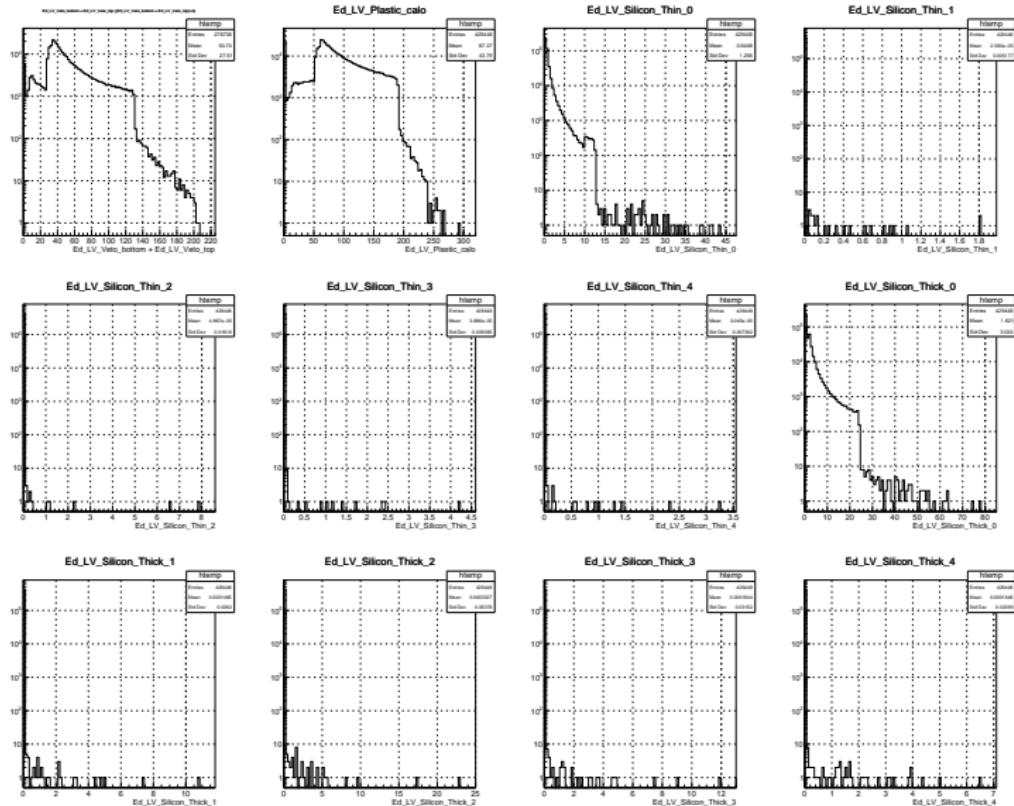


Figure: MC quantities

# Energies distribution for alpha



## Angles distribution accepted for alpha

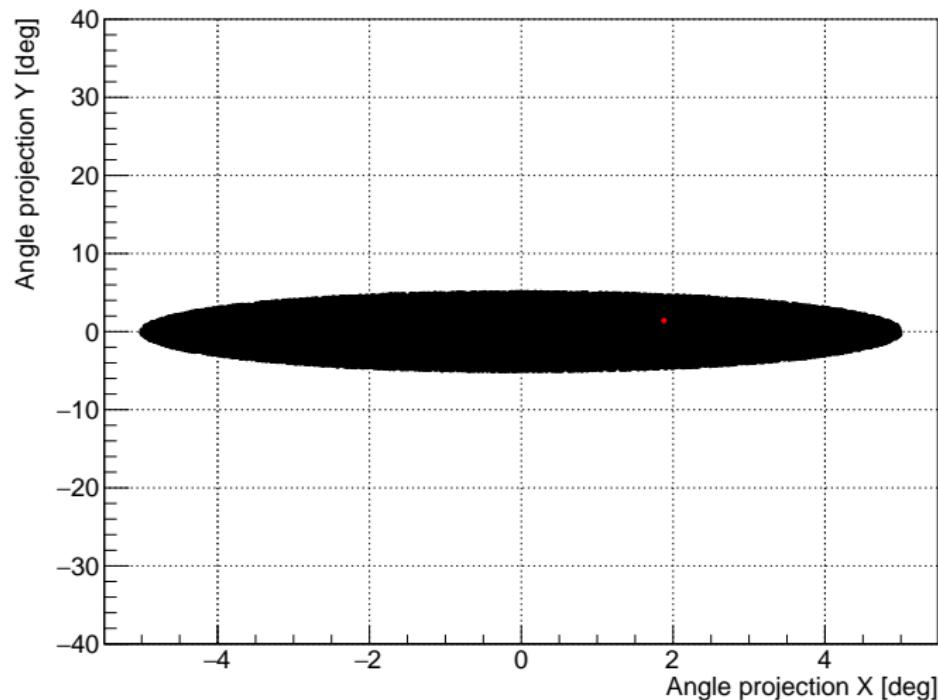


Figure: Angles distribution

## Angles distribution accepted for alpha

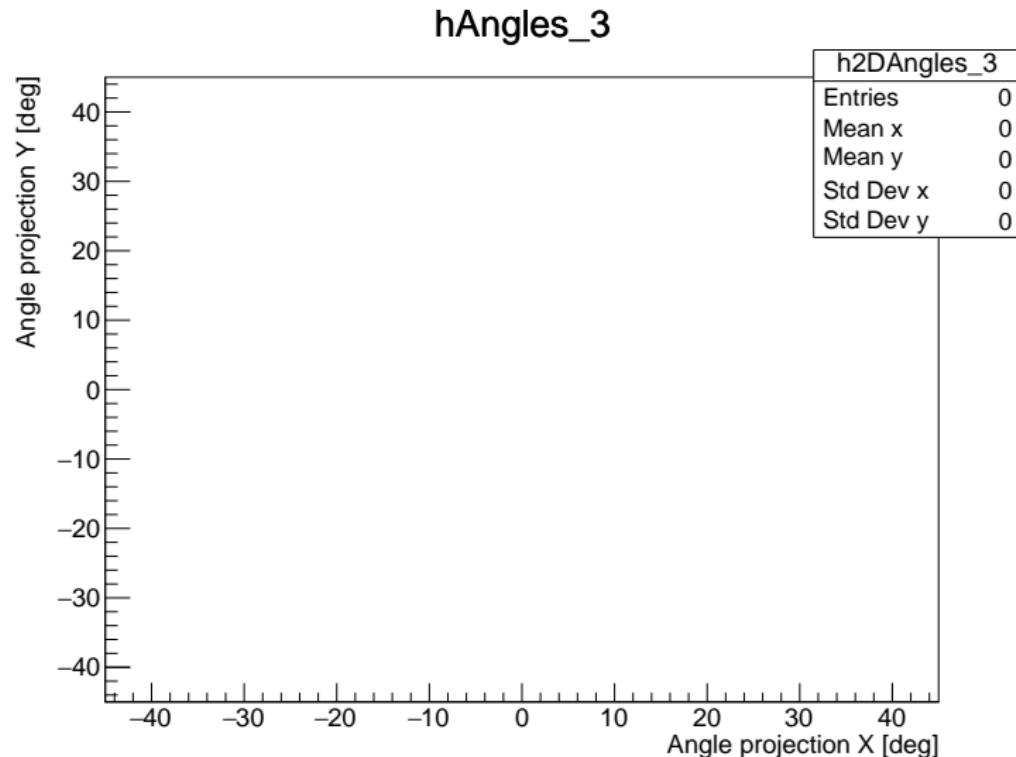


Figure: Angles distribution

## Angles distribution accepted for alpha

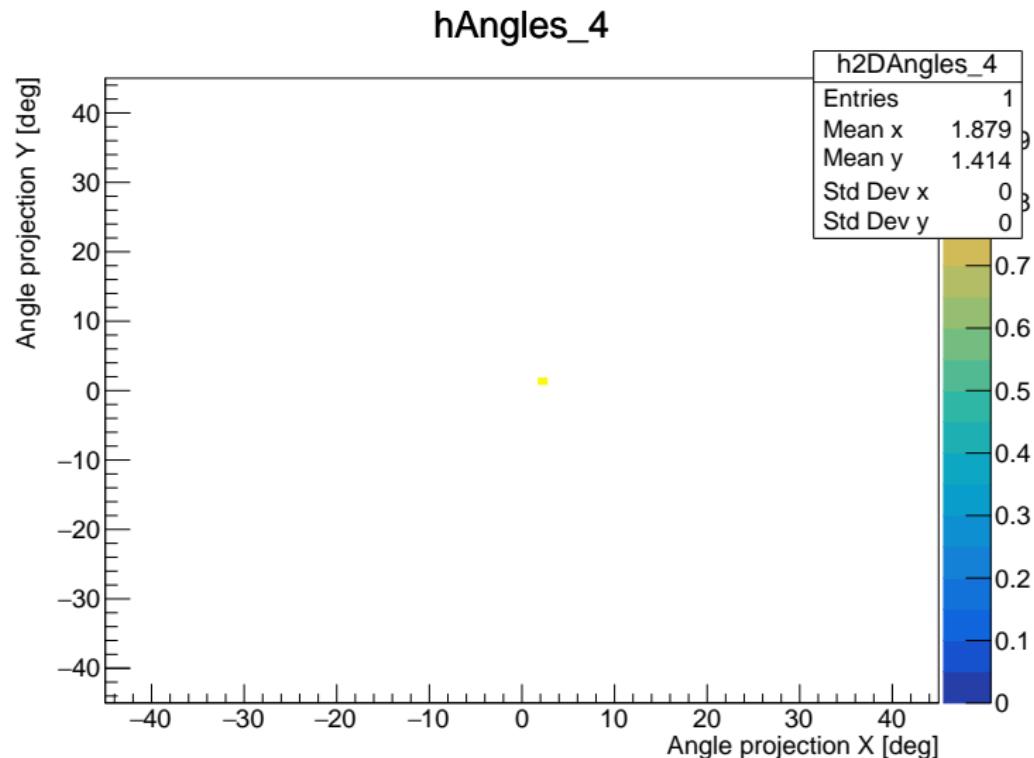


Figure: Angles distribution

## Angles distribution accepted for alpha

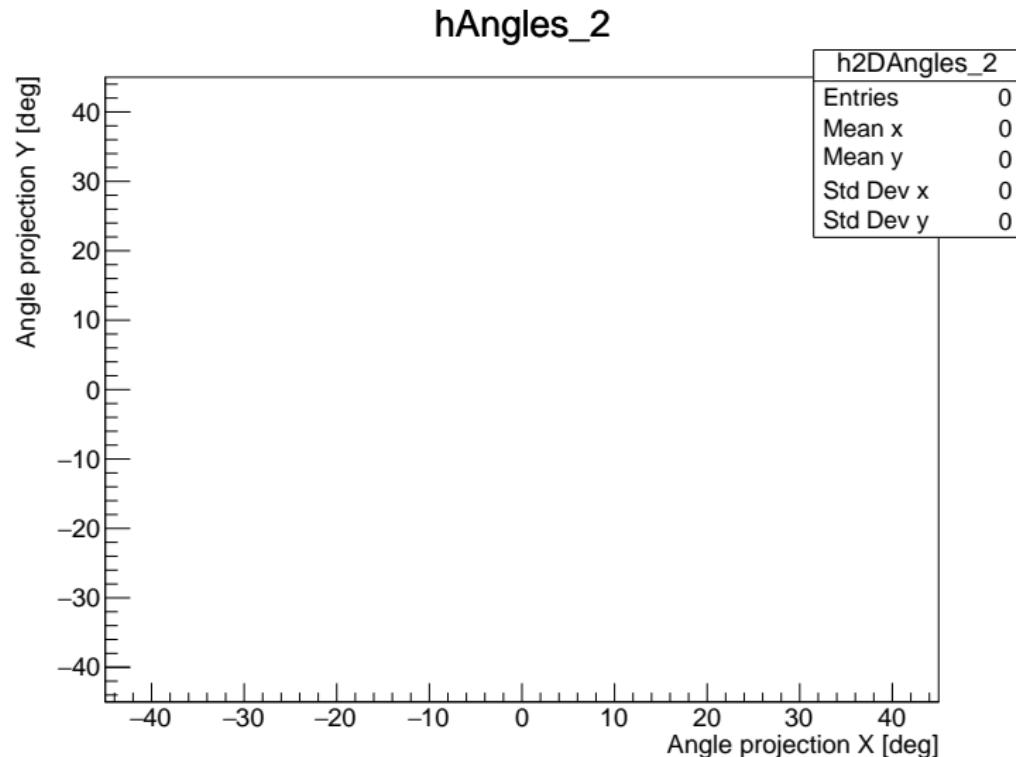


Figure: Angles distribution

## Angles distribution accepted for alpha

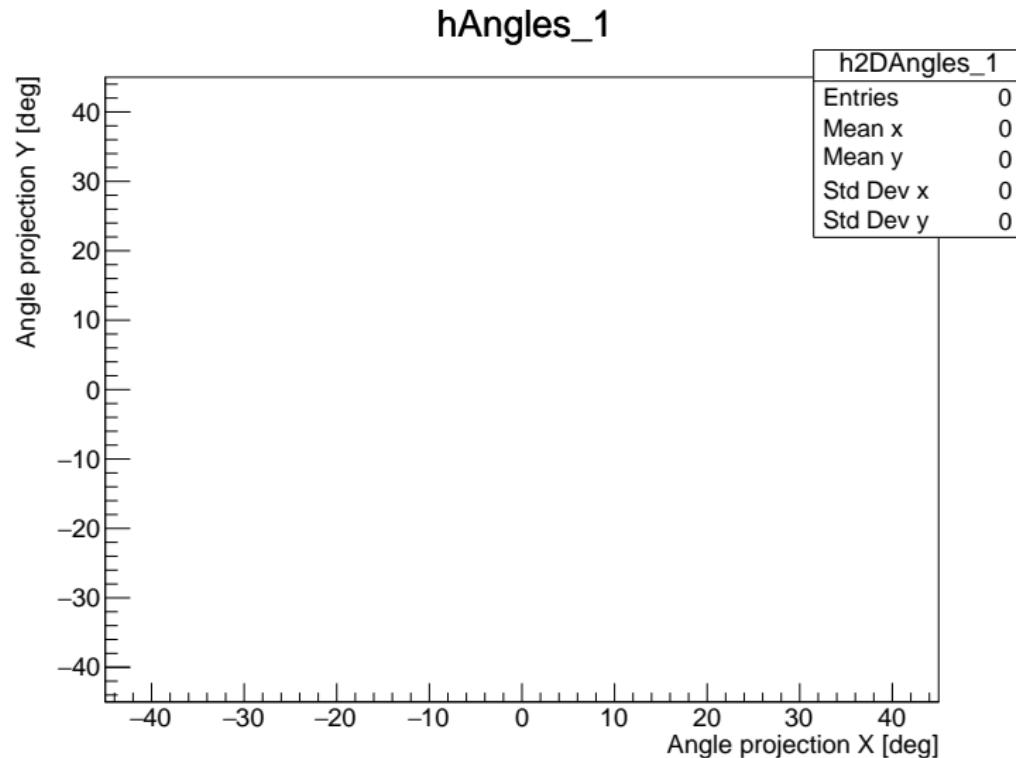


Figure: Angles distribution

## Angles distribution accepted for alpha

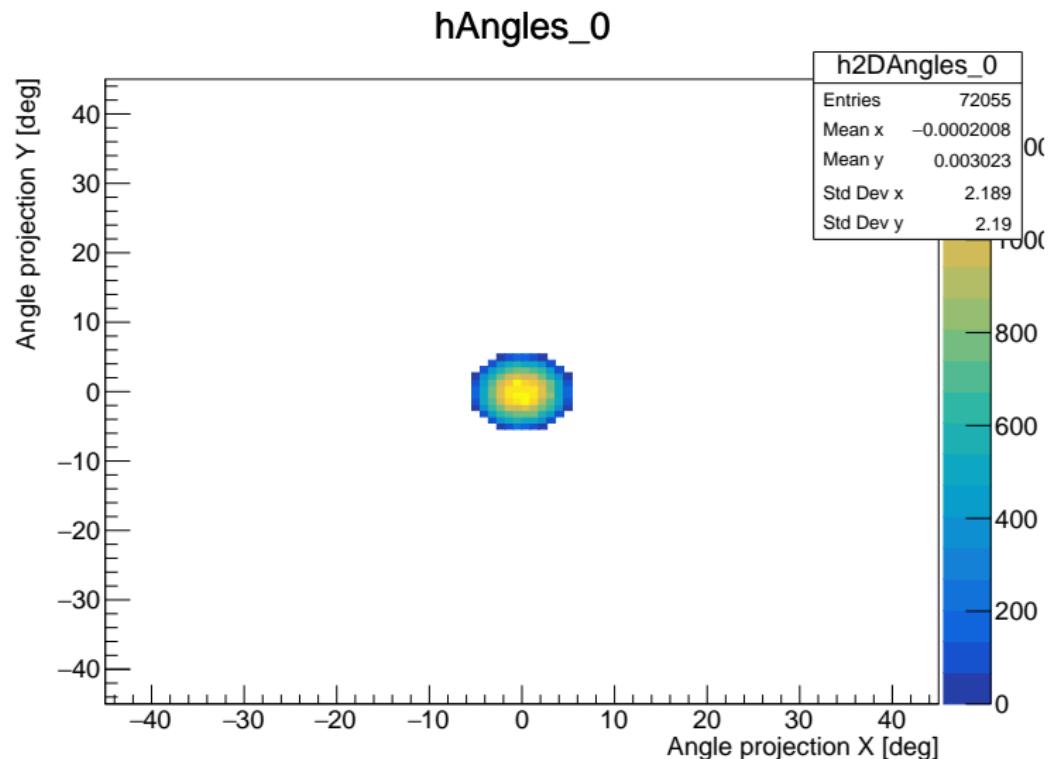


Figure: Angles distribution

## Generation Position distribution accepted for alpha

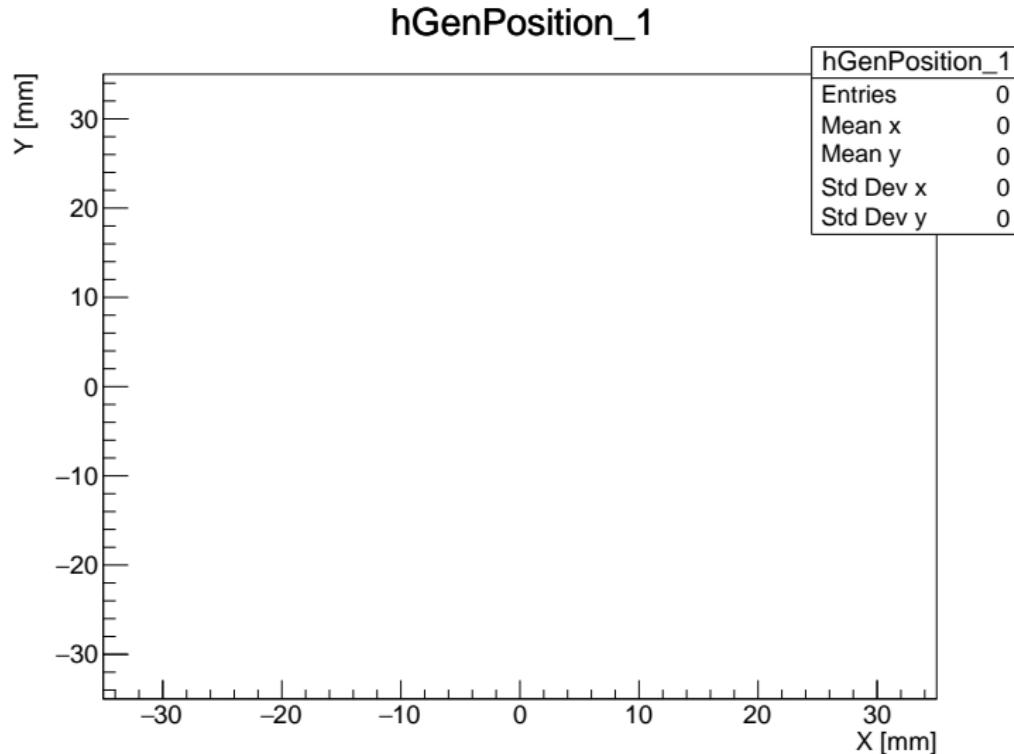


Figure: Generation Position

## Generation Position distribution accepted for alpha

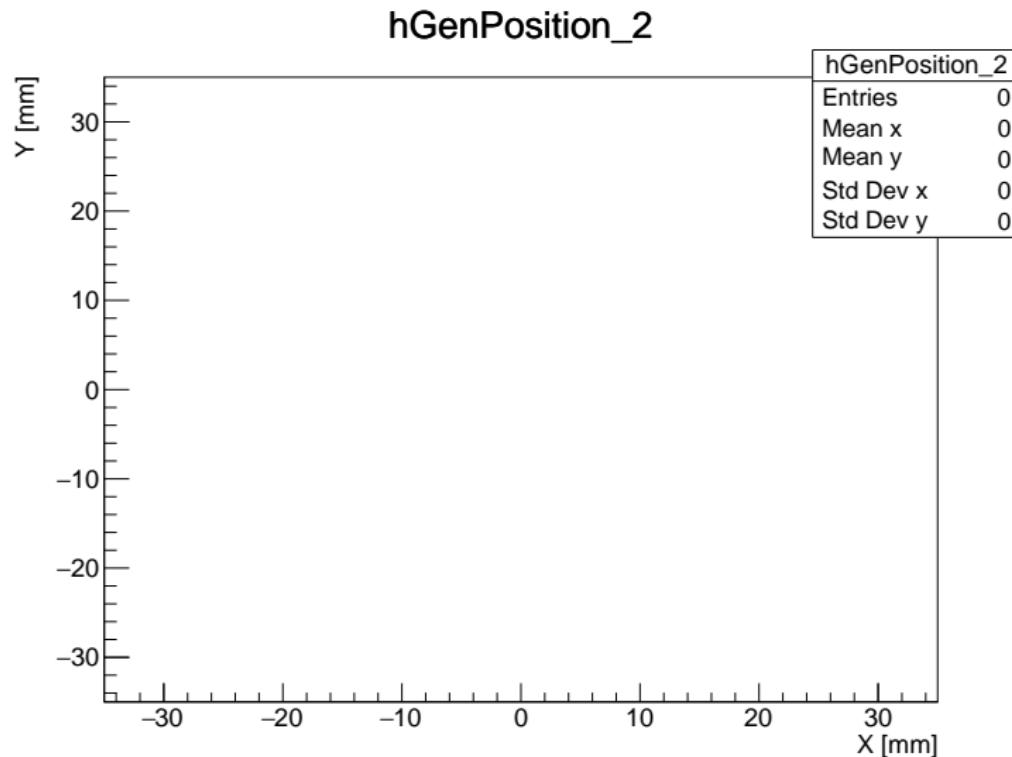


Figure: Generation Position

## Generation Position distribution accepted for alpha

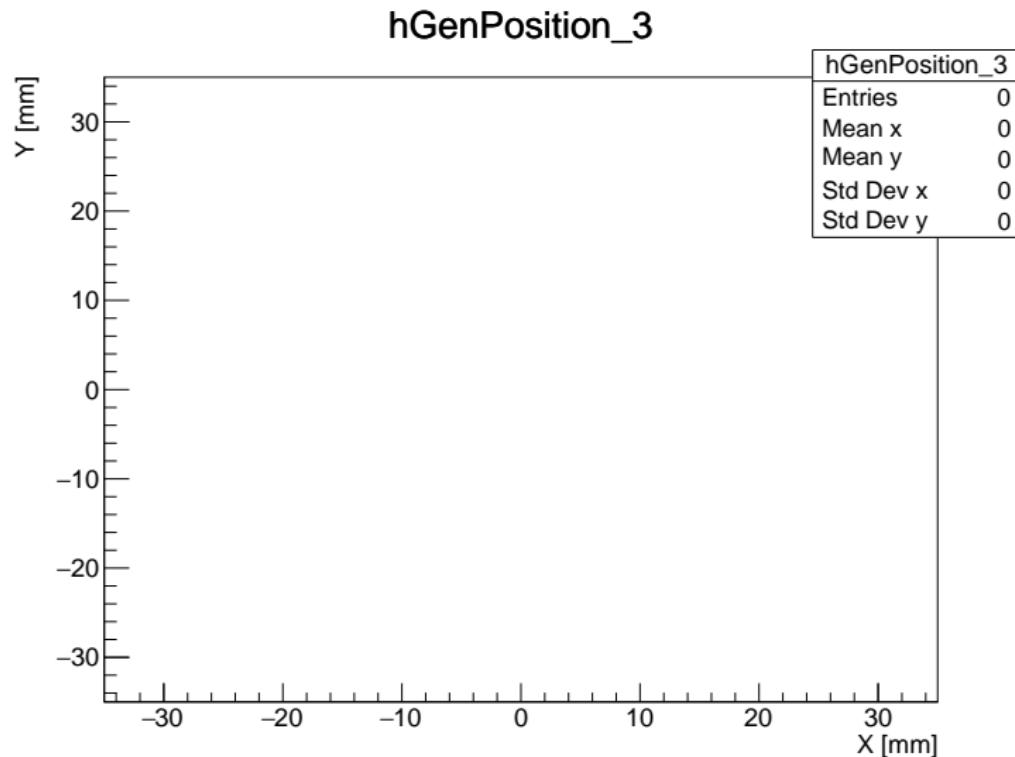


Figure: Generation Position

## Generation Position distribution accepted for alpha

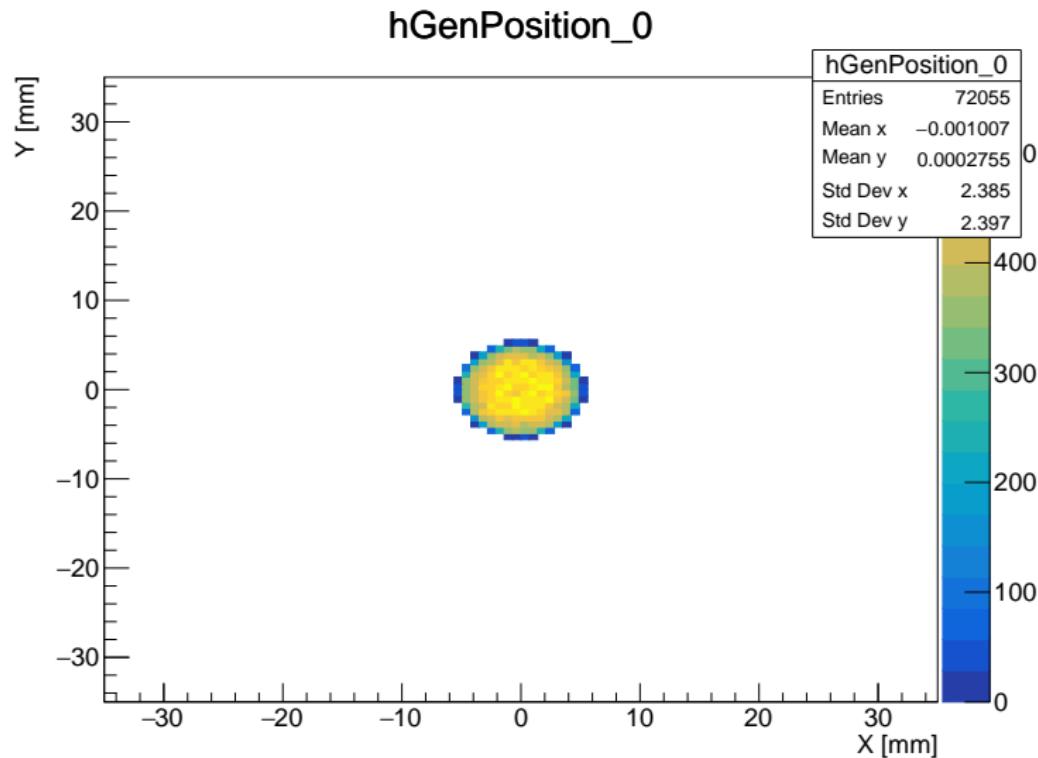


Figure: Generation Position

## Generation Position distribution accepted for alpha

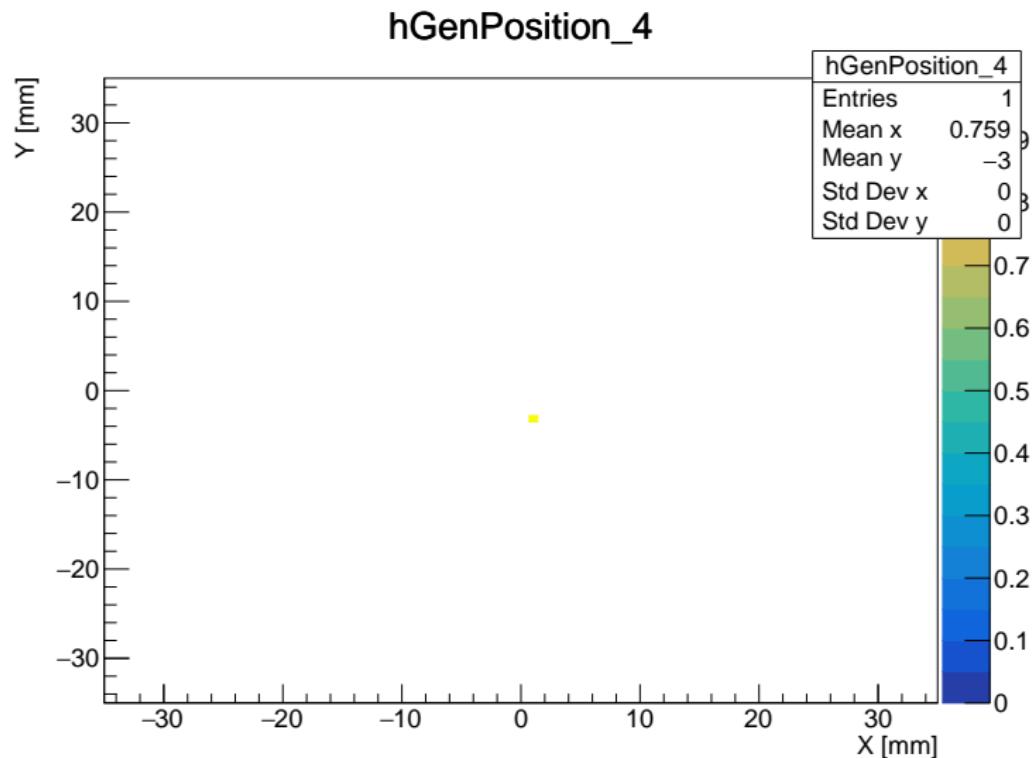


Figure: Generation Position

# Geometric factors for alpha

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## Geometric factors for all particles