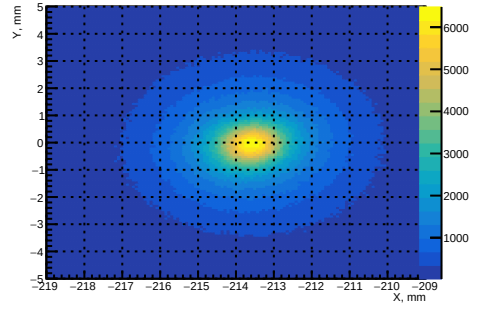
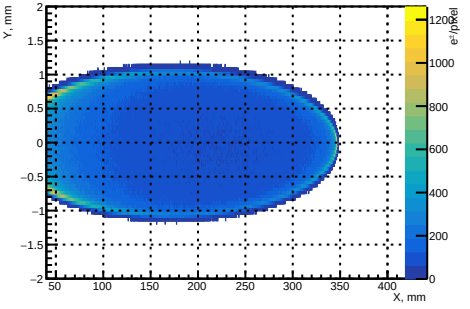
Photons: MC



Electrons: MC



Monte-Carlo Parameters:

Electron E_0 = 45.600 GeV

Laser λ_0 = 0.532 um

Electron $\gamma = 89.240 \times 10^3$

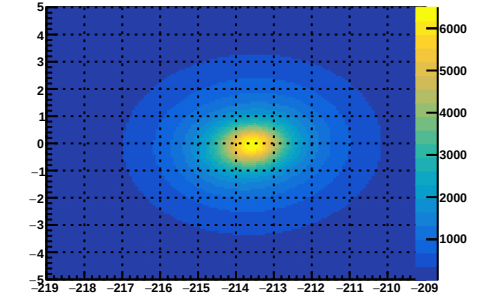
Compton κ = 1.628

Bend: $\gamma\theta_0$ = 190.441

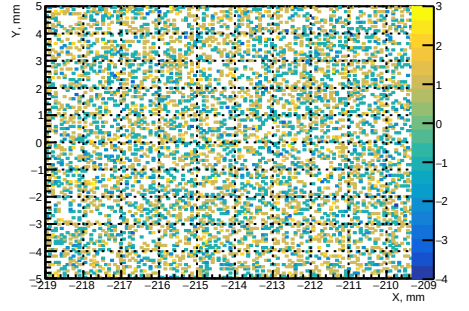
$(\xi_1, \xi_2, \xi_3) = (0.100, 0.100, 0.990)$

$(\zeta_x, \zeta_y, \zeta_z) = (0.200, 0.200, 0.200)$

Photons: Fit



Photons: (Fit - MC)/(1+Fit)$^{1/2}$



Intel(R) Core(TM) i3-6100U CPU @ 2.30GHz

Photons fit: t = 47 s (CPU 48 s)

χ^2/NDF = 16407.6/16374 | Prob = 0.4250

X_0 = -213.538 $\pm$ 0.001 mm

ξ_1 = 0.101 $\pm$ 0.001

ξ_2 = 0.103 $\pm$ 0.001

$\xi_3\zeta_x$ = 0.199 $\pm$ 0.006

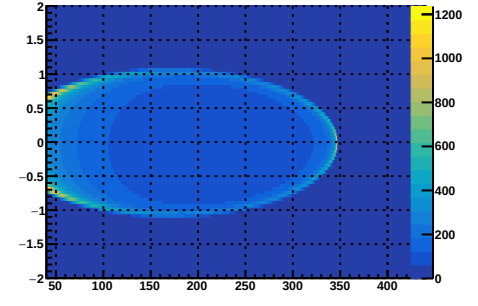
$\xi_3\zeta_y$ = 0.194 $\pm$ 0.006

$\xi_3\zeta_z$ = 0.201 $\pm$ 0.001

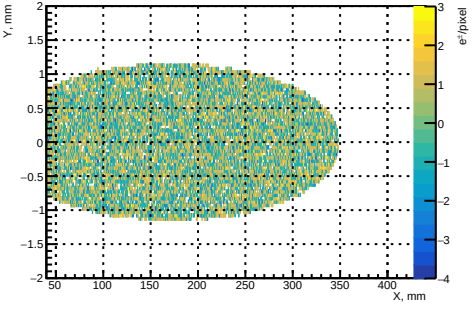
σ_x = 178.5 $\pm$ 4.0 um

σ_y = 2.35 $\pm$ 0.00 um

Electrons: Fit



Electrons: (Fit - MC)/(1+Fit)$^{1/2}$



Intel(R) Core(TM) i3-6100U CPU @ 2.30GHz

Electrons fit: t = 826 s (CPU 884 s)

χ^2/NDF = 49269.0/49726 | Prob = 0.9267

X_1 = -000.068 $\pm$ 0.014 mm

X_2 = 0347.560 $\pm$ 0.003 mm

ξ_1 = 0.101 $\pm$ 0.001

$\xi_3\zeta_y$ = 0.198 $\pm$ 0.002

$\xi_3\zeta_z$ = 0.194 $\pm$ 0.001

σ_x = 209.6 $\pm$ 3.4 μm

σ_y = 27.78 $\pm$ 0.03 μm

E_{beam} = 45.6139 $\pm$ 0.0050 GeV.