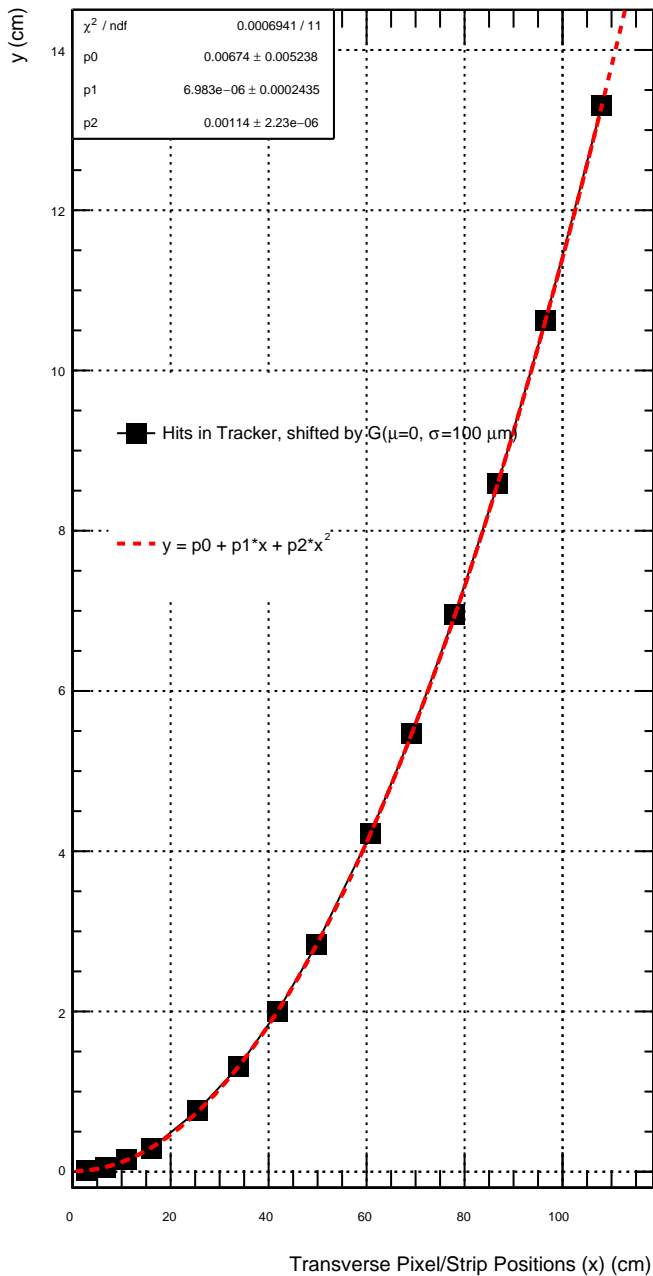
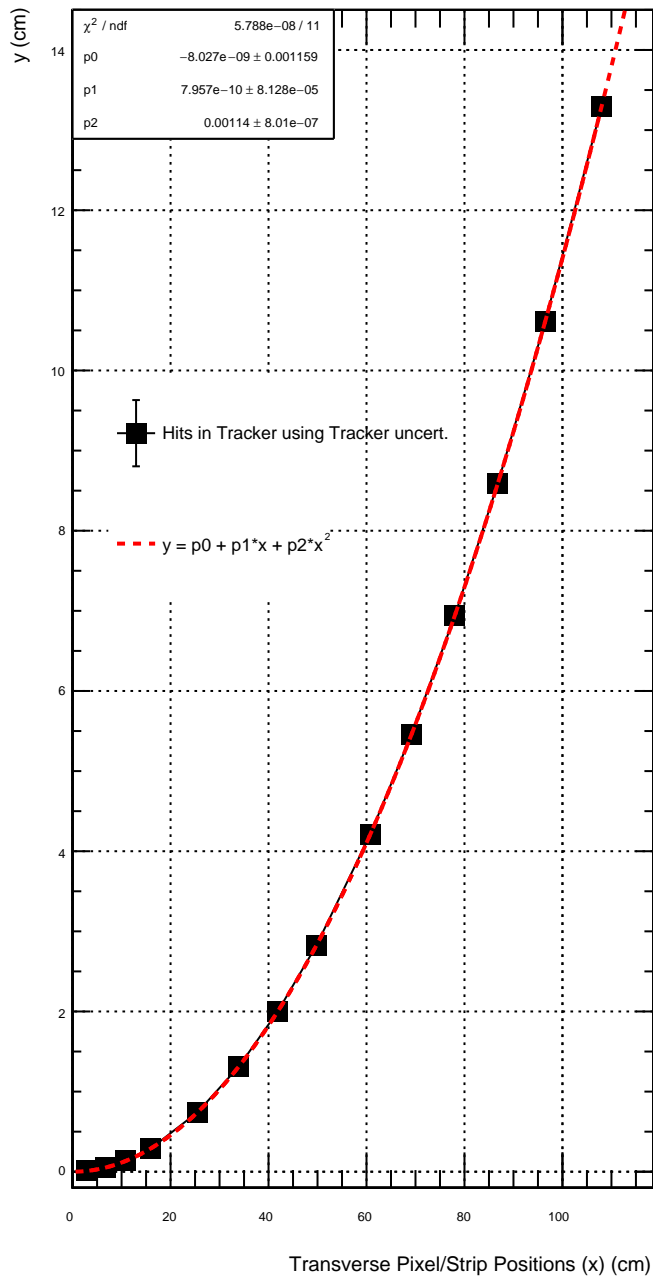


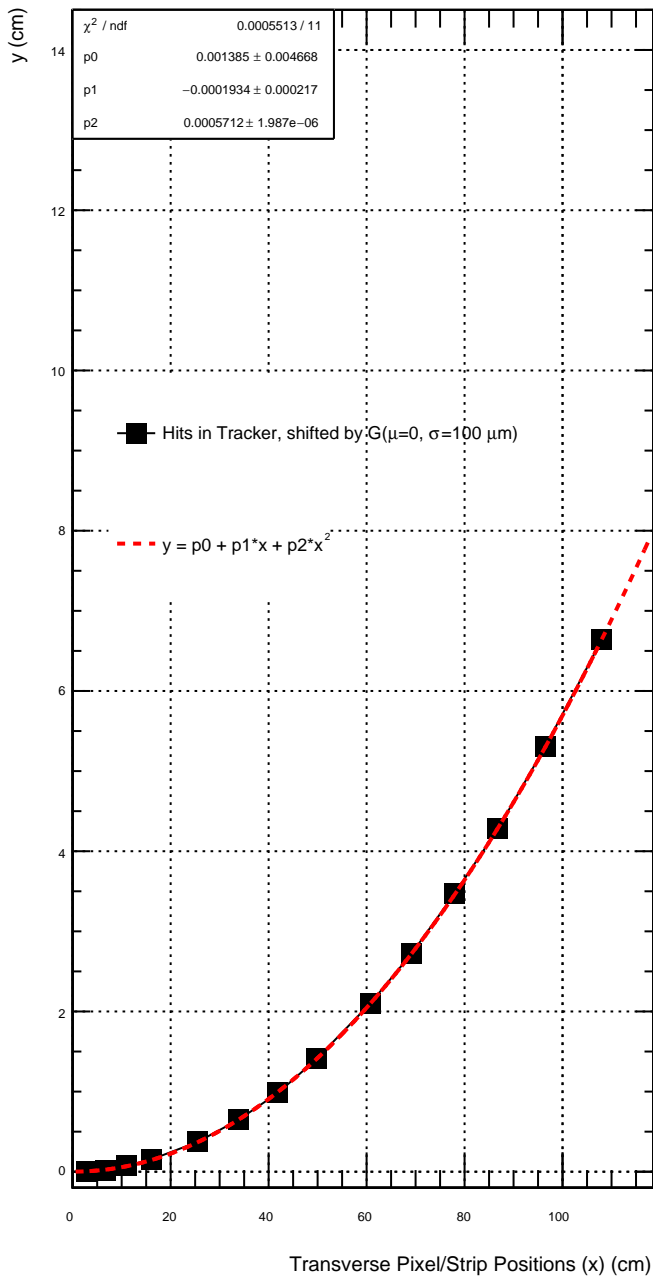
Hits along muon path ($p_T = 5 \text{ GeV}$)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



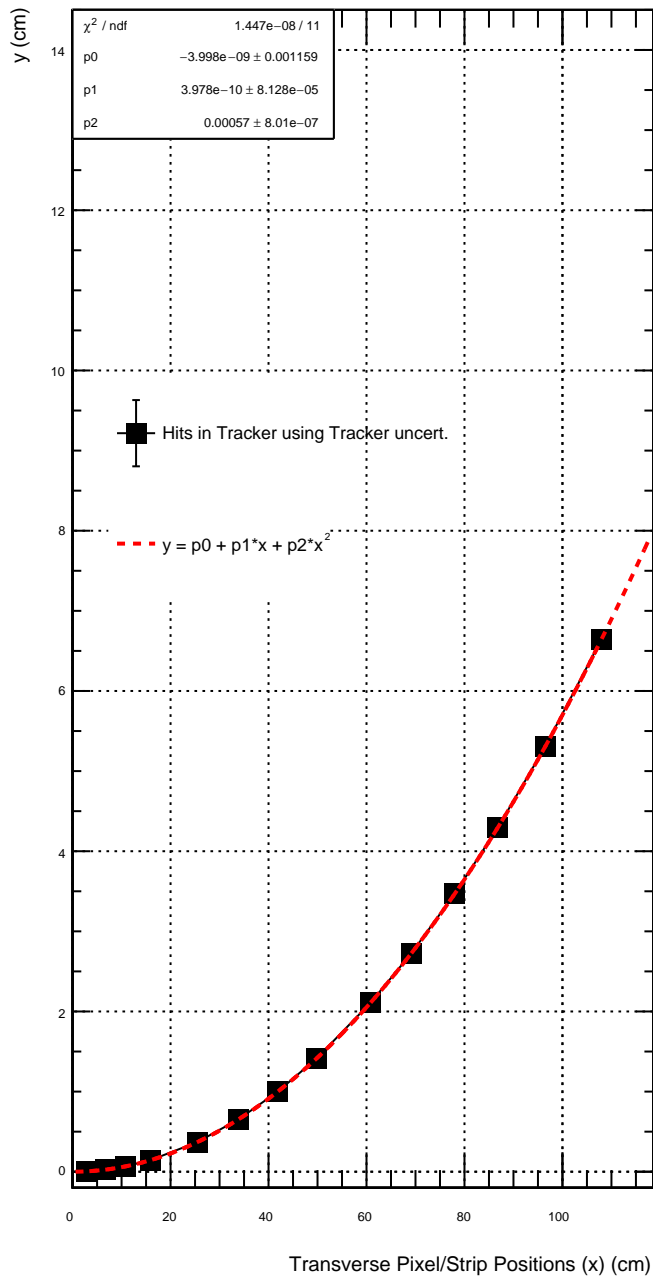
Hits along muon path ($p_T = 5 \text{ GeV}$)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$



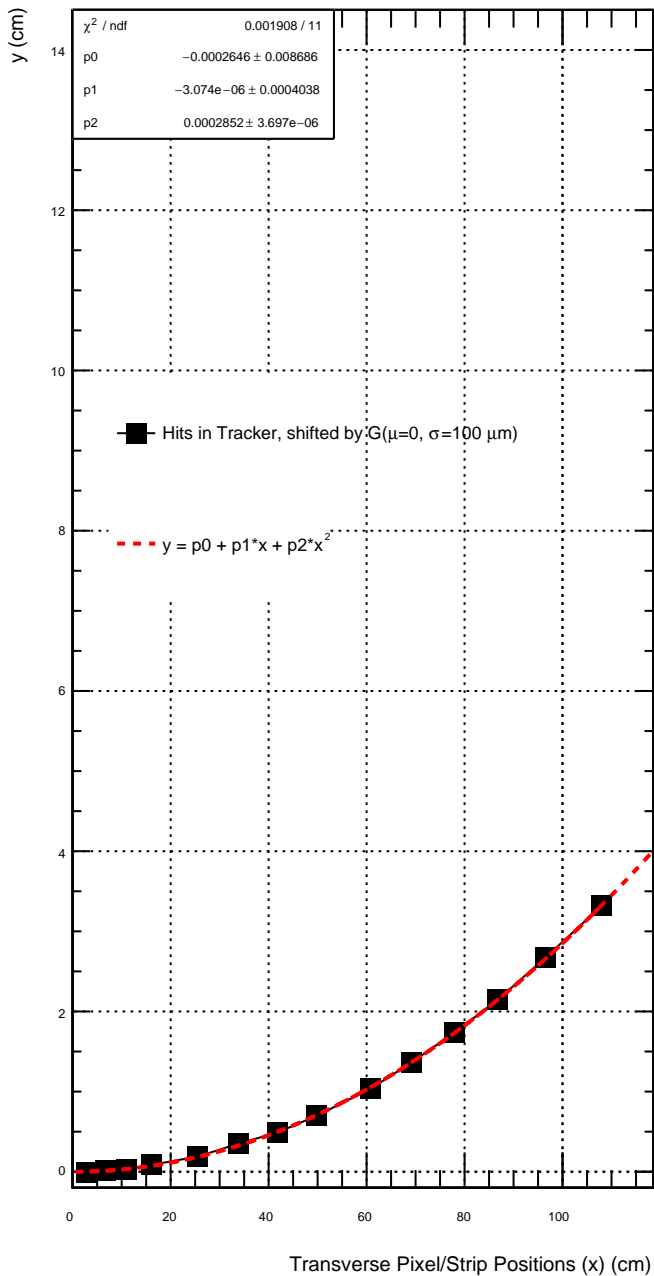
Hits along muon path ($p_T = 10$ GeV)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



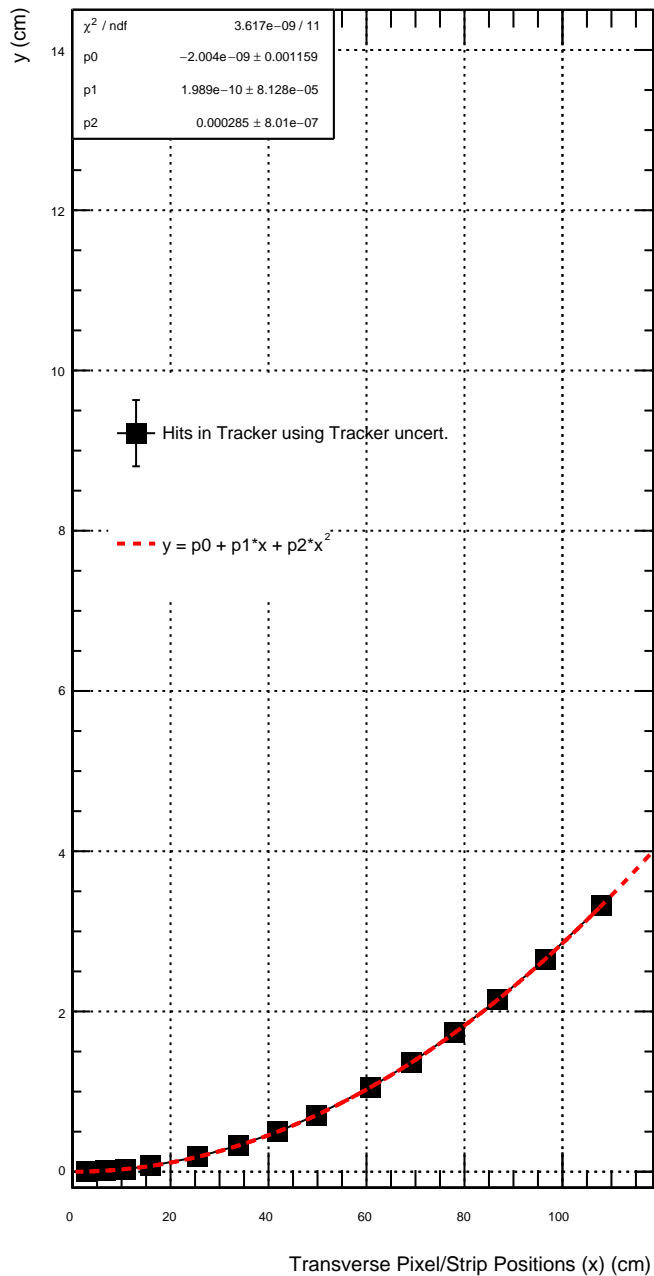
Hits along muon path ($p_T = 10$ GeV)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$



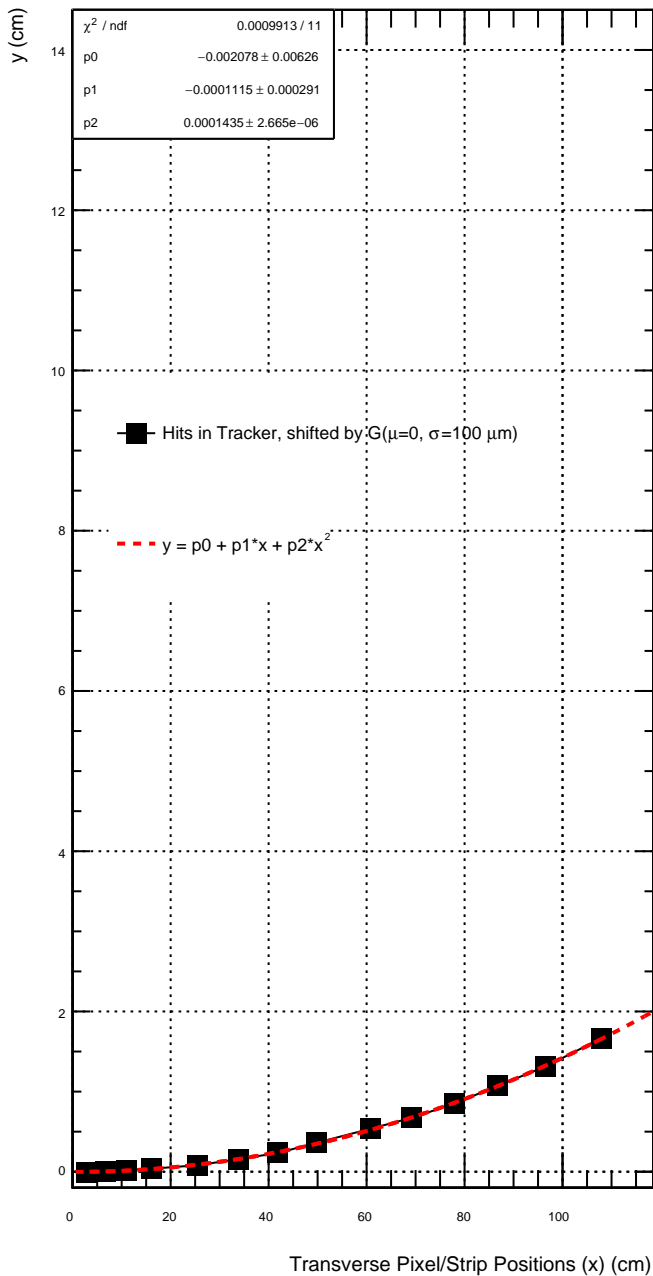
Hits along muon path ($p_T = 20$ GeV)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



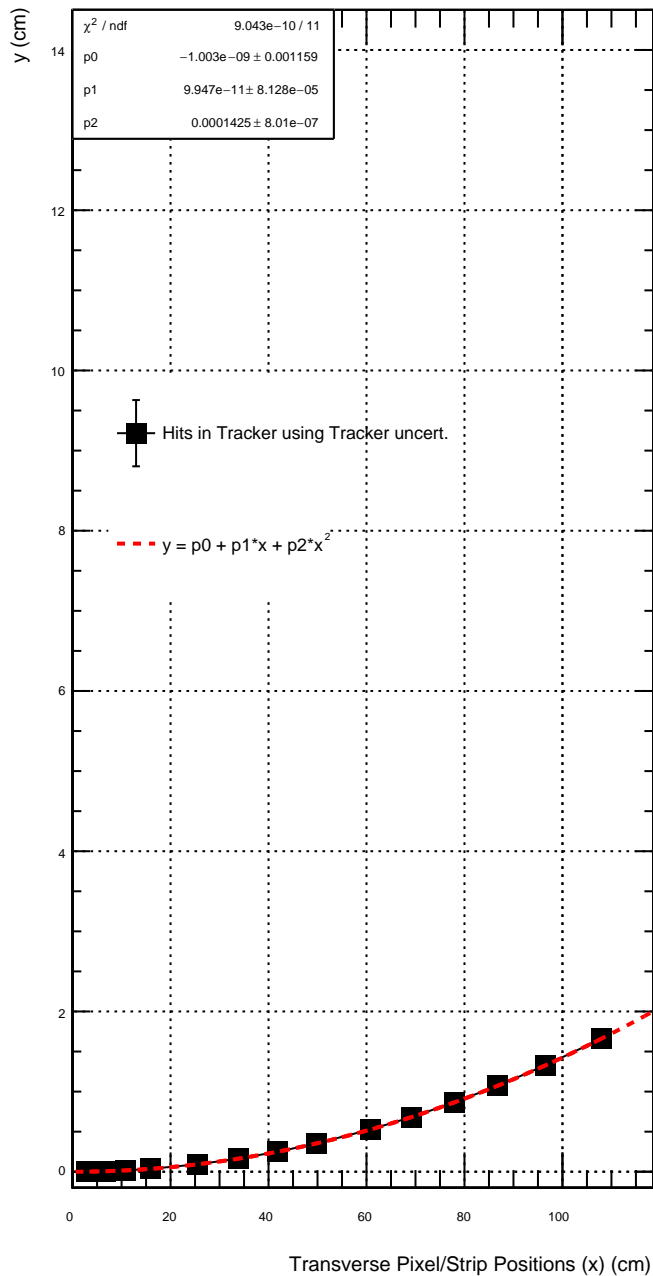
Hits along muon path ($p_T = 20$ GeV)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$



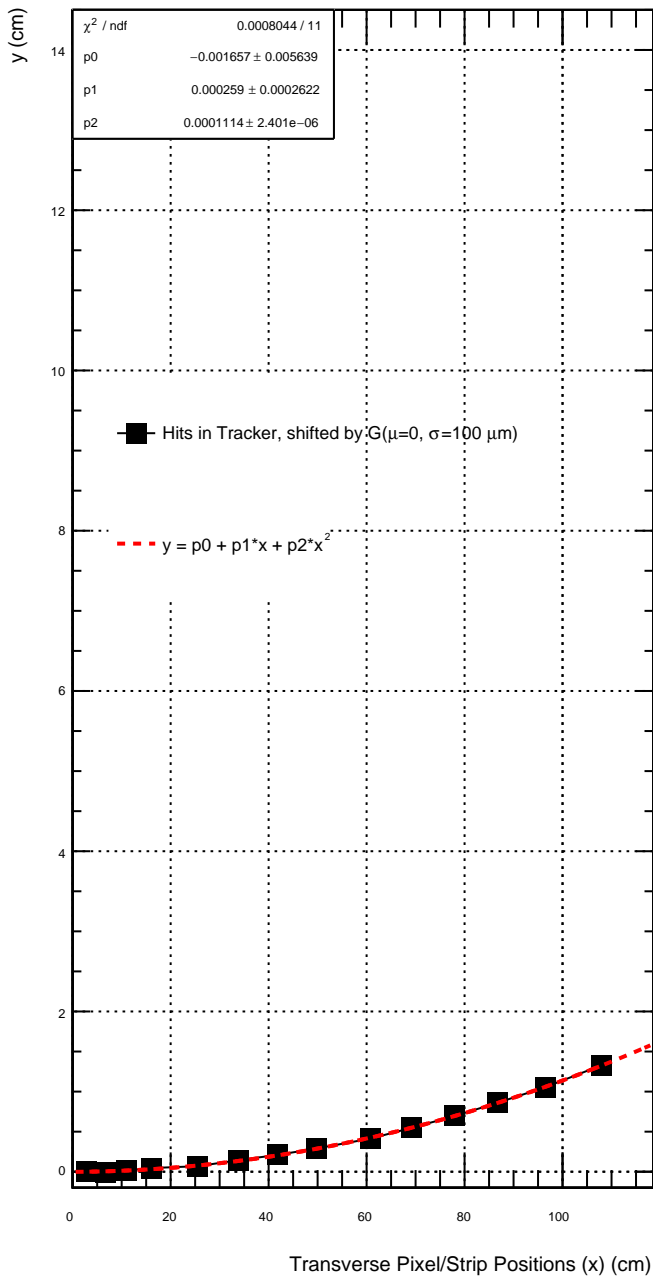
Hits along muon path ($p_T = 40$ GeV)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



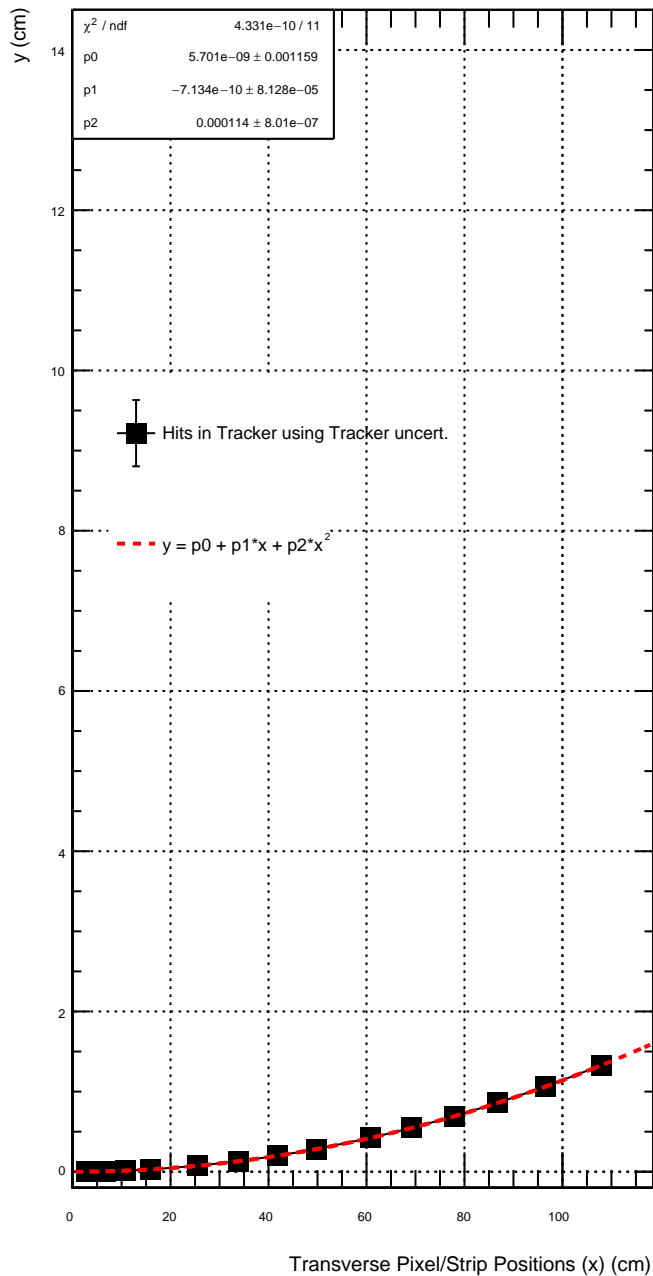
Hits along muon path ($p_T = 40$ GeV)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$



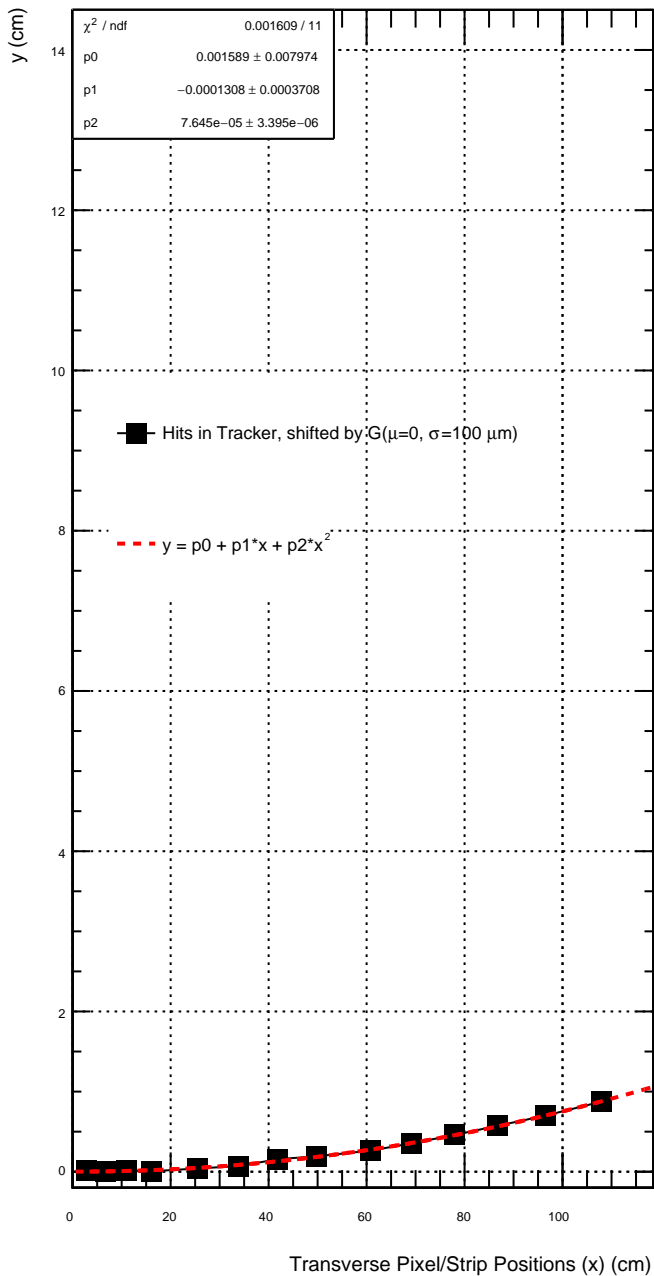
Hits along muon path ($p_T = 50$ GeV)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



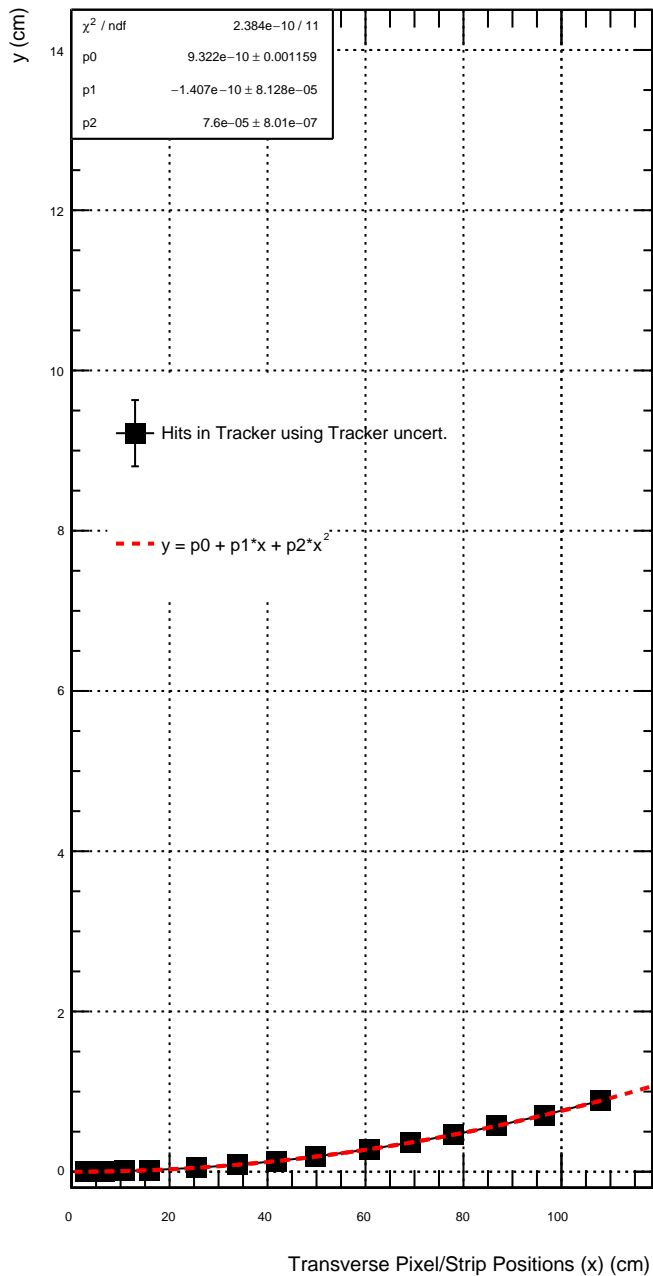
Hits along muon path ($p_T = 50$ GeV)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$



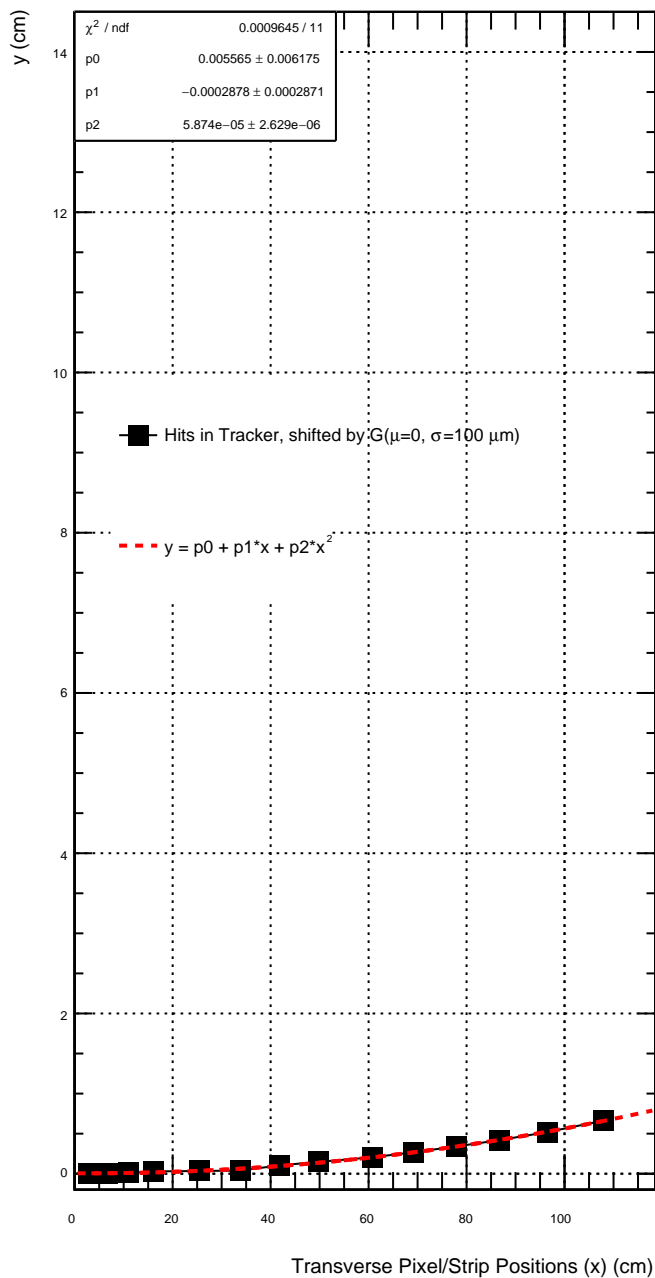
Hits along muon path ($p_T = 75 \text{ GeV}$)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



Hits along muon path ($p_T = 75 \text{ GeV}$)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$



Hits along muon path ($p_T = 100$ GeV)
 y -shifts taken from $G(\mu=0, \sigma=100 \mu\text{m})$



Hits along muon path ($p_T = 100$ GeV)
 $\sigma_y = [15.0, 15.0, 15.0, 15.0, 23.0, 23.0, 35.0, 35.0, 53.0, 53.0, 53.0, 53.0, 35.0, 35.0] \mu\text{m}$

