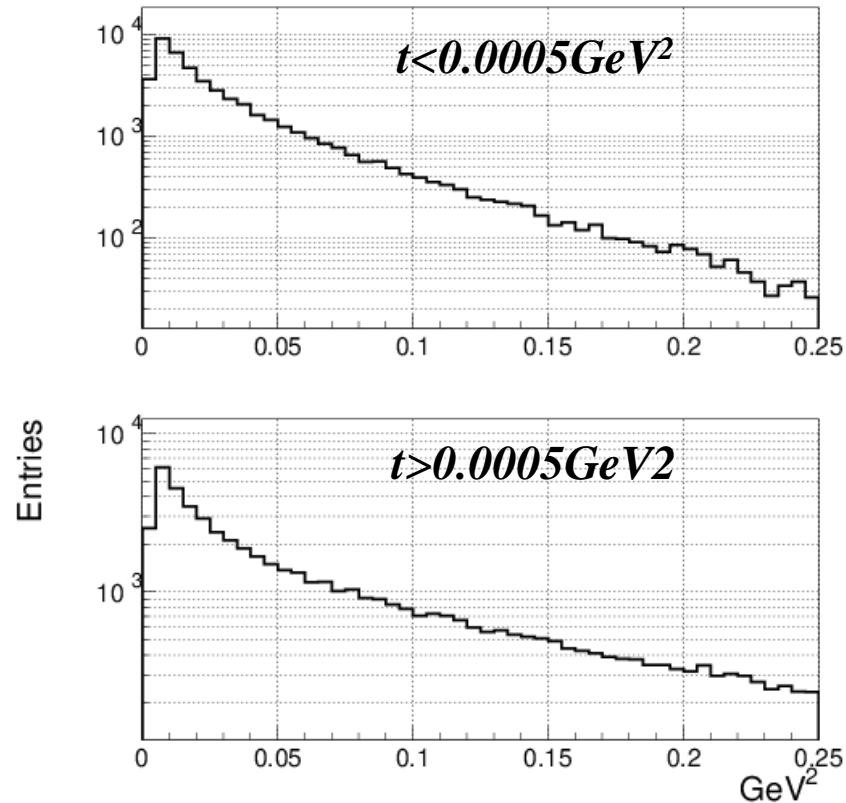


Cross section fit: TFF  
parameters extraction

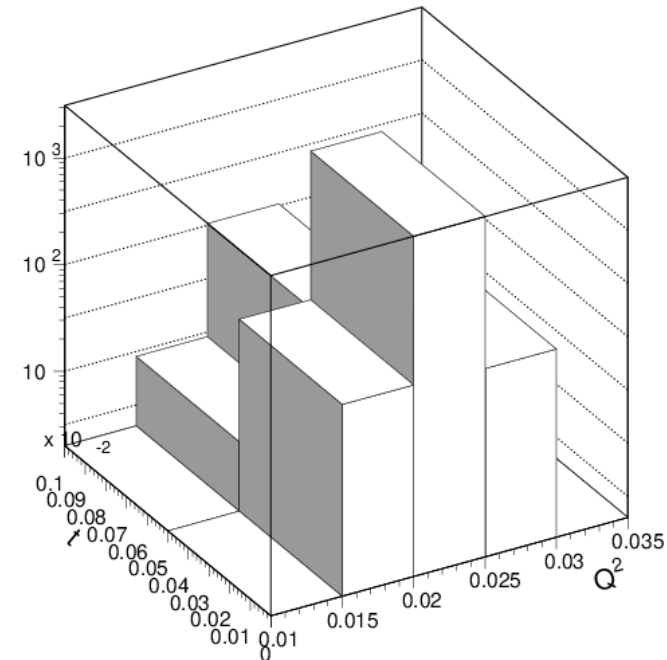
# Preparation for the fit

Simulated and reconstructed  $Q^2$  distribution (300 PAC days)



Matrix element for the fit:

Measured  $Q^2$  and  $t$  distribution for the single bin of the actual values

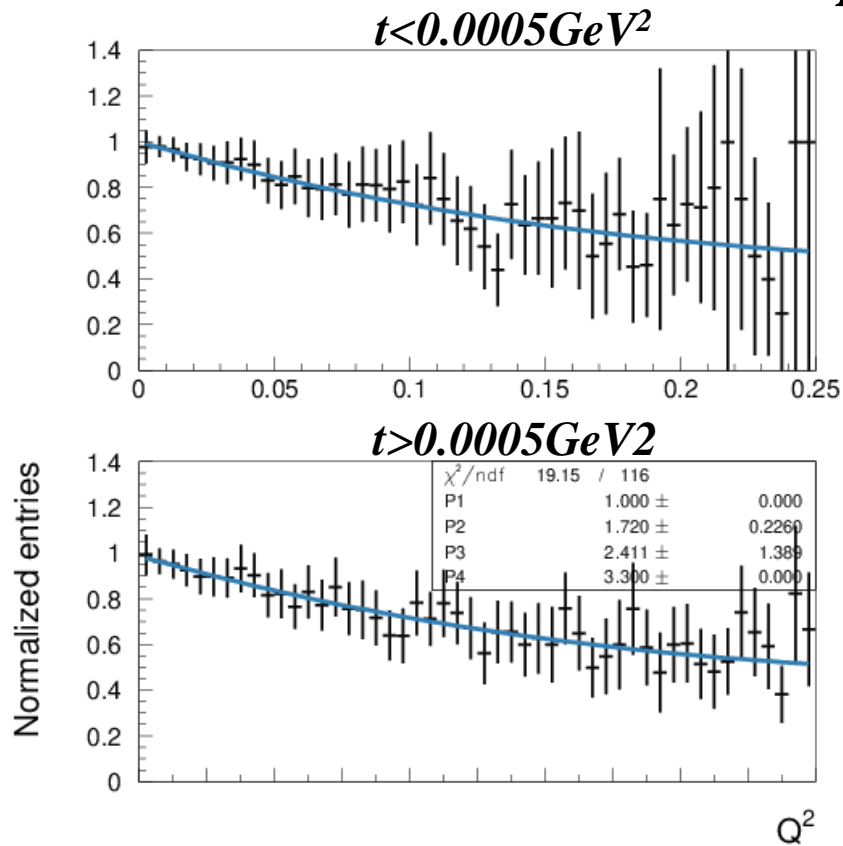


$t$ : 2 bins

$Q^2$ : 50 bins ( $0 \dots 0.25 \text{ GeV}^2$ )

# Normalized Q2 distribution: measured over expected with TFF = 1 (30 PAC days)

$$Y = (1 - A(Q^2 + t) + B(Q^4 + t^2) + C(Q^2 t))^2$$



Two parameter fit:

$$A = 1.72 \pm 0.2 \text{ (gen-d 1.66)}$$

$$B = 2.41 \pm 1.3 \text{ (gen-d 2.76)}$$

One parameter fit:

$$A = 1.69 \pm 0.07$$

$$B = 2.44 \pm 0.5$$

Three parameter fit:

$$A = 1.74 \pm 0.23$$

$$B = 2.31 \pm 1.5$$

$$C = 14 \pm 50$$