PDF distributions determined from $p_T(\mu^+)$ distribution

LHC, $\sqrt{s} = 13.6$ TeV
$\mathcal{L} = 300$ fb^{-1}

$p-\text{value} = 0.24\ (0.698\ \sigma)$

Signal ($\mathcal{F}_1$)
Background ($\mathcal{F}_2$)

Frequency

$\mathcal{F}(x_{i,\text{S}}; x_{i,\text{N}})$