\textbf{ATLAS Simulation}

The graph shows the uncertainty in various distributions as a function of transverse momentum ($E_T^\gamma$) for different processes.

- **Scale variations**
- **PDF variations**
- **Isolation**
- **Non perturbative correction**

The processes considered are:

- $p+p \rightarrow \gamma + \text{jet+X} (\sqrt{s} = 7 \text{ TeV})$
  
  $1.2 \leq |y^{\text{jet}}| < 2.8$, $\eta^\gamma y^{\text{jet}} \geq 0$

**JETPHOX CTEQ 10**