\[ \int L \, dt = 4.04 \text{ fb}^{-1} \quad \sqrt{s} = 8 \text{ GeV} \]

**Top Left Diagram:**
- **Title:** HLT_Photon50_CaloIdVL
- **Label:** 1st Photon \( p_T > 80 \text{ GeV} \)
- **Axes:**
  - X-axis: \( H_T [\text{GeV}] \)
  - Y-axis: Efficiency
- **Efficiency Values:**
  - Efficiency increases with \( H_T \) values.
- **Plot Description:**
  - Data points and error bars indicate measured efficiency.
  - CMS logo is present.

**Bottom Left Diagram:**
- **Title:** HLT_Photon75_CaloIdVL
- **Label:** 1st Photon \( p_T > 85 \text{ GeV} \)
- **Axes:**
  - X-axis: \( H_T [\text{GeV}] \)
  - Y-axis: Efficiency
- **Efficiency Values:**
  - Efficiency increases with \( H_T \) values.
- **Plot Description:**
  - Data points and error bars indicate measured efficiency.
  - CMS logo is present.

**Top Right Diagram:**
- **Title:** HLT_Photon50_CaloIdVL
- **Label:** \( H_T > 450 \text{ GeV} \)
- **Axes:**
  - X-axis: Photon \( p_T [\text{GeV}] \)
  - Y-axis: Efficiency
- **Efficiency Values:**
  - Efficiency remains constant.
- **Plot Description:**
  - Data points and error bars indicate measured efficiency.
  - CMS logo is present.

**Bottom Right Diagram:**
- **Title:** HLT_Photon75_CaloIdVL
- **Label:** \( H_T > 450 \text{ GeV} \)
- **Axes:**
  - X-axis: Photon \( p_T [\text{GeV}] \)
  - Y-axis: Efficiency
- **Efficiency Values:**
  - Efficiency remains constant.
- **Plot Description:**
  - Data points and error bars indicate measured efficiency.
  - CMS logo is present.