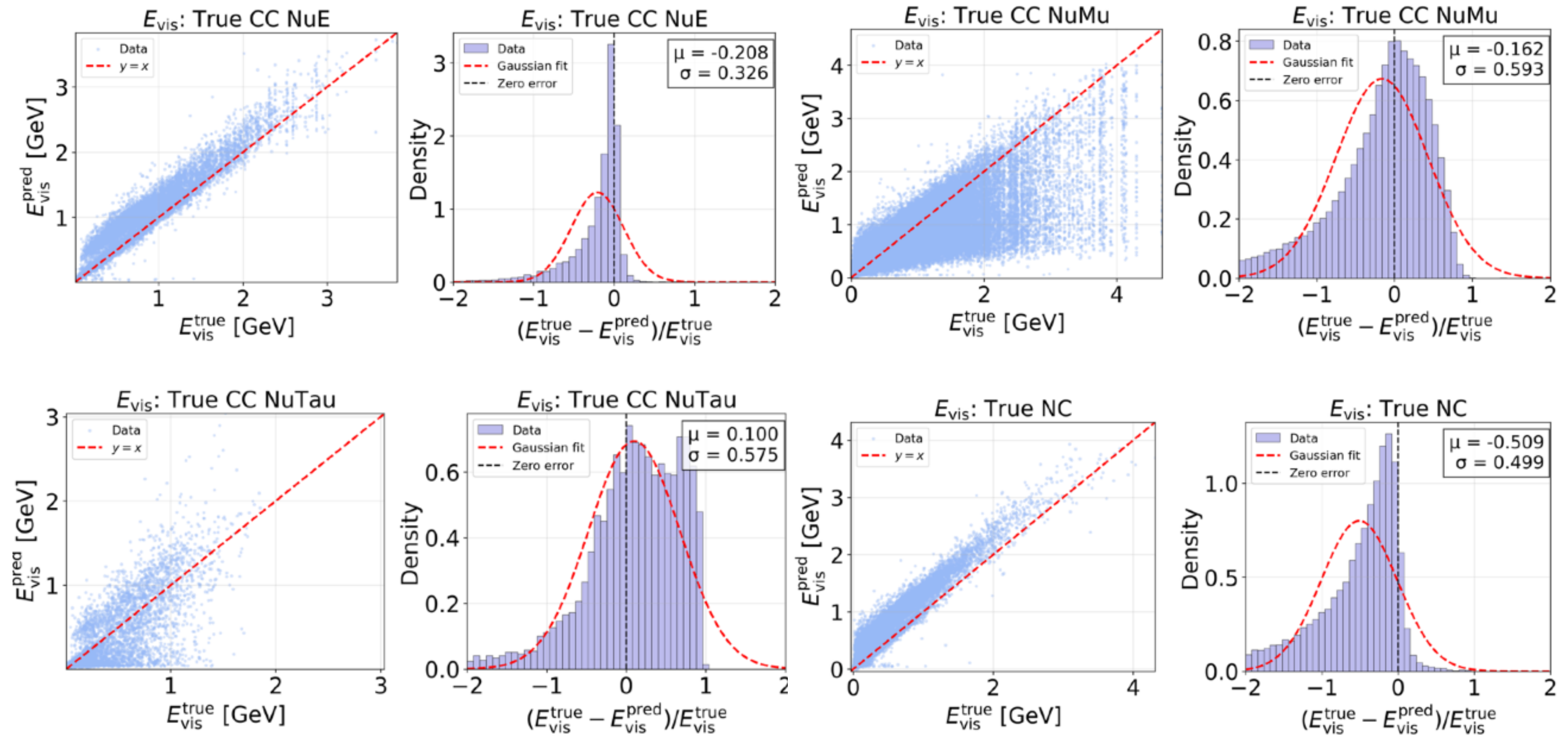


# BDT: Visible Energy

## Regression Results

- Overall good performance:  $\nu_e$  CC.
- **Problems:**
  - *Large Systematic Bias in NC Events.*
  - *Large Resolution in all Classes.*



# BDT: $p_T^{miss}$

## Regression Results

- **The BDT's Failure:** The model performs poorly on **all** classes.
  - Massive Over-prediction for low  $p_T^{miss}$  events.
  - Poor Resolution for high  $p_T^{miss}$  events.
- **The Problem:**  $p_T^{miss}$  distribution is bimodal.

