Deep Learning Model: Lepton Momentum Magnitude
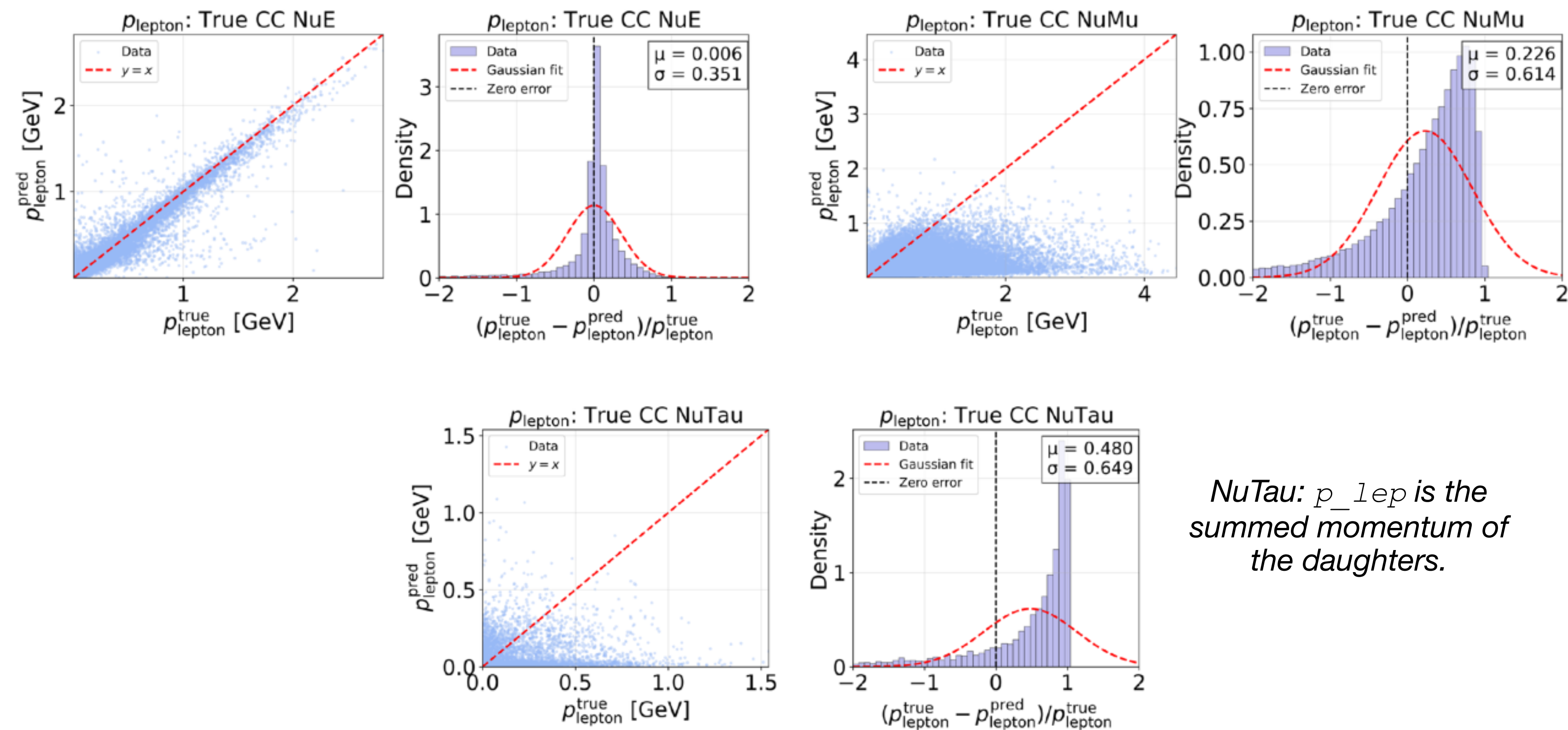
Regression Results

- The model successfully reconstructs the lepton and jet kinematics:

  - ν_τ **CC:** Challenge!

  - ν_μ **CC:** Misclassification of ν_μ as NC biasing the distribution.

- *No direct info on the Primlepton is given to the model!*

- Simultaneously successfully reconstructs the jet kinematics.

NuTau: `p_lep` *is the summed momentum of the daughters.*

Deep Learning Model: Jet Momentum Magnitude

Regression Results

- The model successfully reconstructs the lepton and jet kinematics:

  - ν_τ **CC:** Challenge!

  - ν_μ **CC:** Misclassification of ν_μ as NC biasing the distribution.

- *No direct info on the Primlepton is given to the model!*

- Simultaneously successfully reconstructs the jet kinematics.