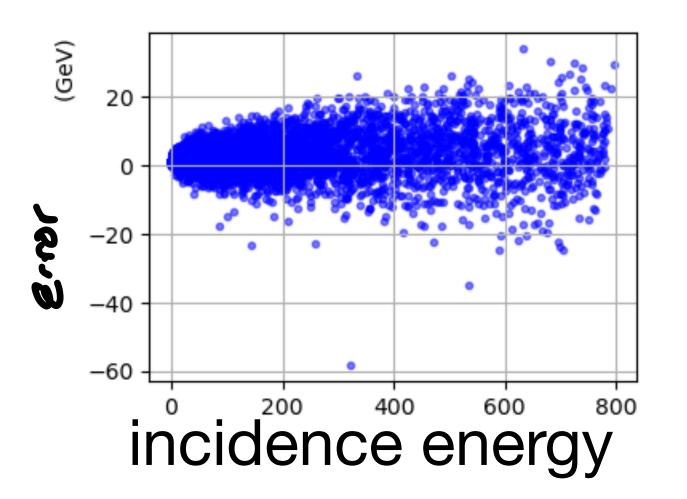
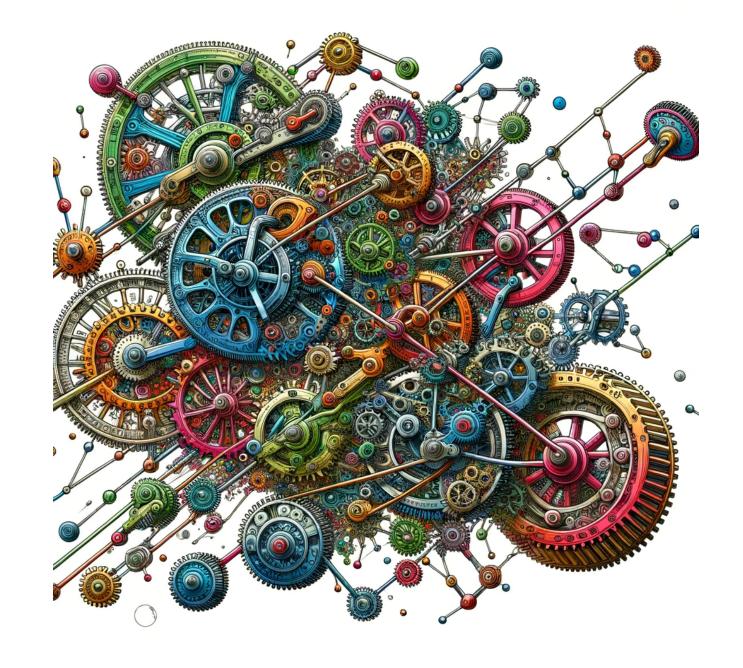
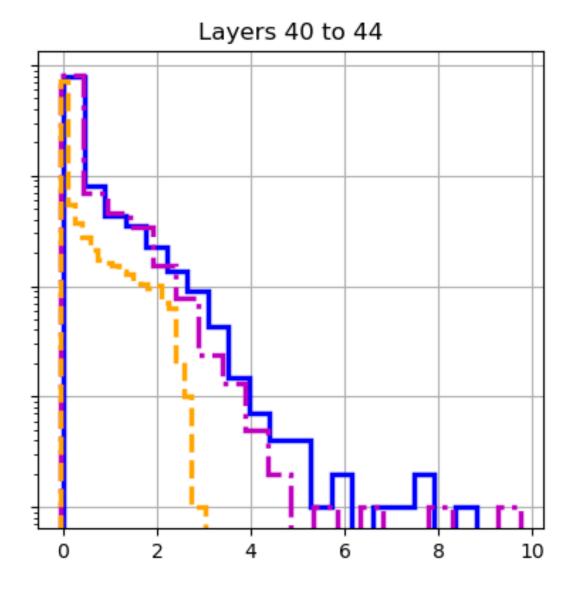
QVAE w/ Pegasus

Mar 4th

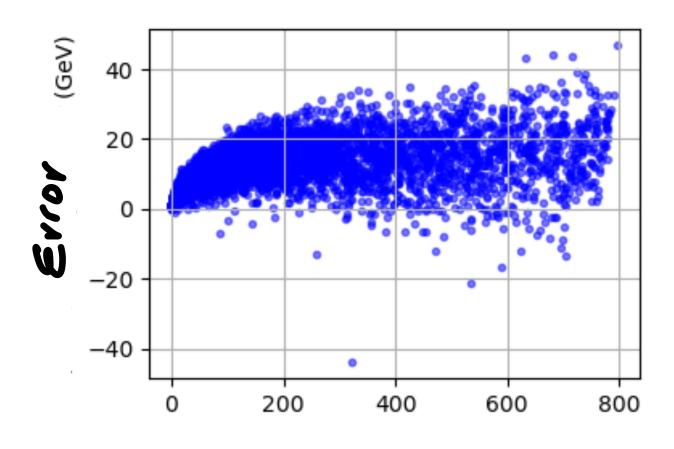
No hits

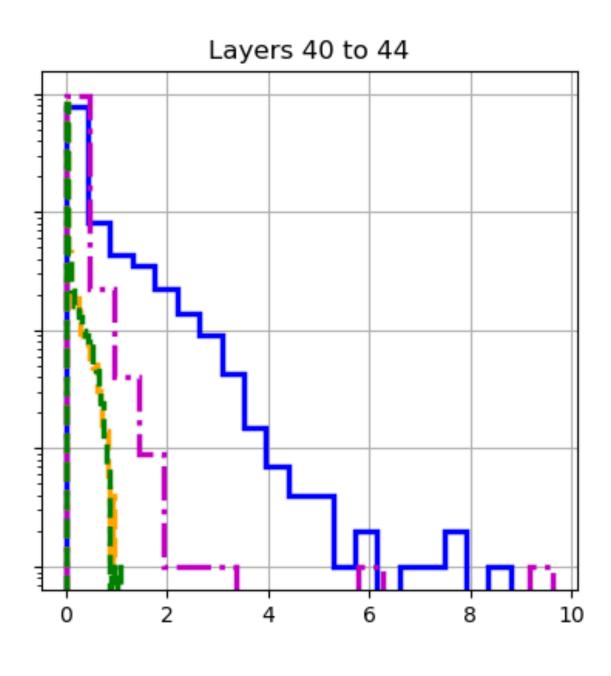






w/ hits





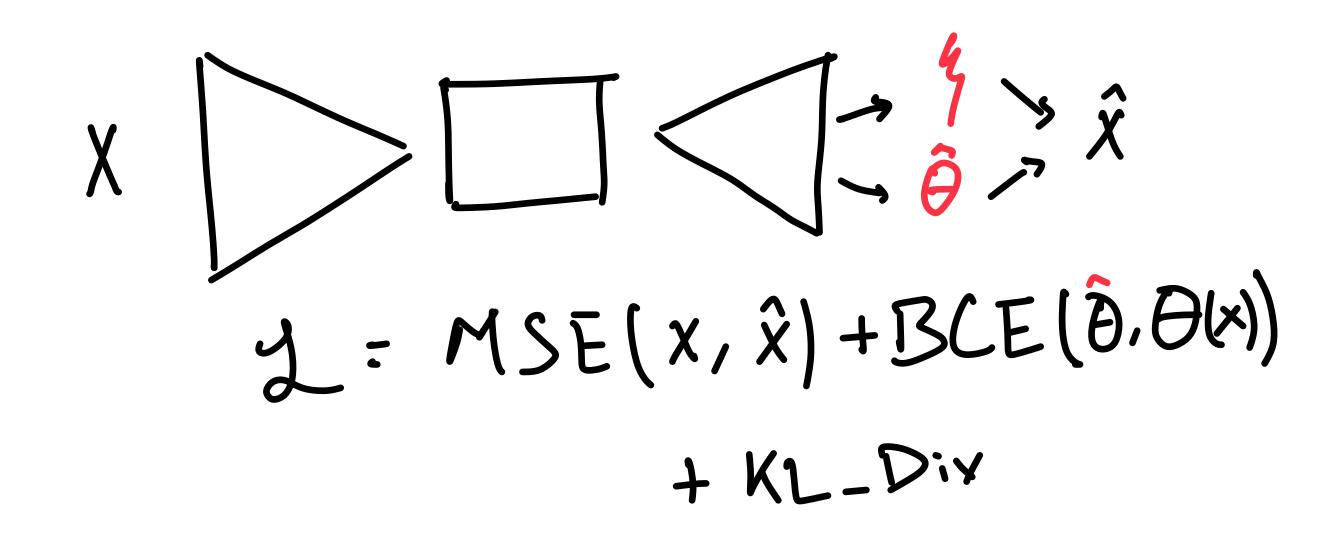


Model bias Hits: $P(\theta) = \prod_{i=1}^{n} p_i^{\theta} (1-p_i)^{-\theta_i}$ BCE: θ : $\ln \theta$: $+(1-\theta)$ $\ln(1-\theta)$ $P_{i} = \mathcal{J}(\hat{P}_{i})$

D	X	
1	1	
2	100	
3	0	

1	Ô	
L	0	
00	0	
0	0	

Error from 1DZ is 100 times larger than crov from ID1 But BLE inits corrent form doesn't take that into consideration

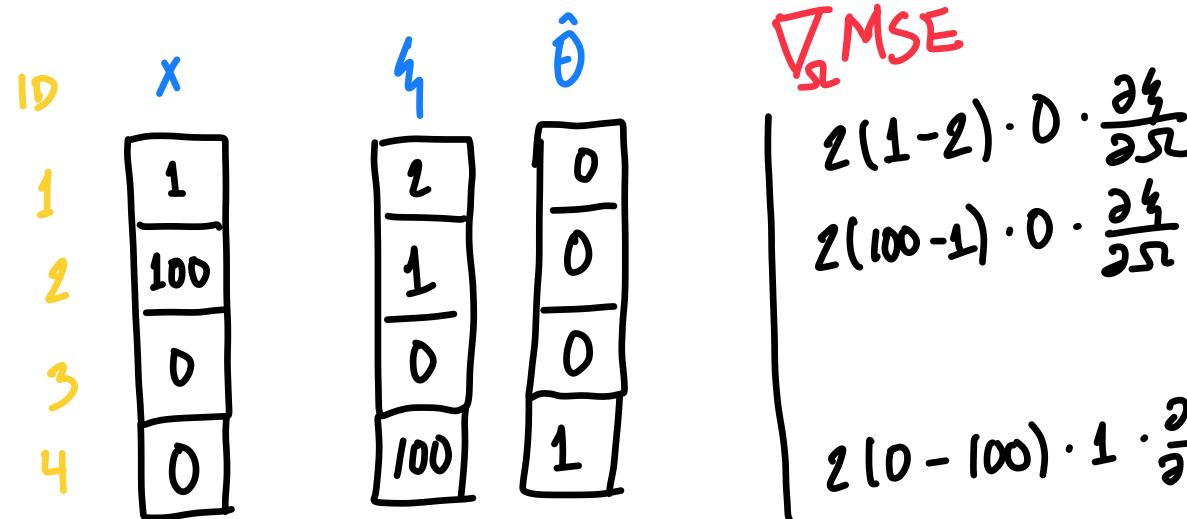


→ ADD Weights ~ fix)



Model bias

 $MSE(X,\hat{X}) = (X-\hat{X})^{2}$ $\overline{V}_{L}MSE(X,\hat{X}) = Z(X-\hat{X})\cdot\hat{\theta}\frac{\partial \hat{\eta}}{\partial S}$



気的を 2(1-2)・D・設定 2(100-1)・D・設定

$$\begin{array}{c|c} = 0 \\ = 0 \\ = 0 \\ \hline 0 \\ = 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \\ \hline 0 \\ \hline 1 \\ \hline 0 \hline \hline 0 \hline \hline 0 \\ \hline 0 \hline \hline 0$$







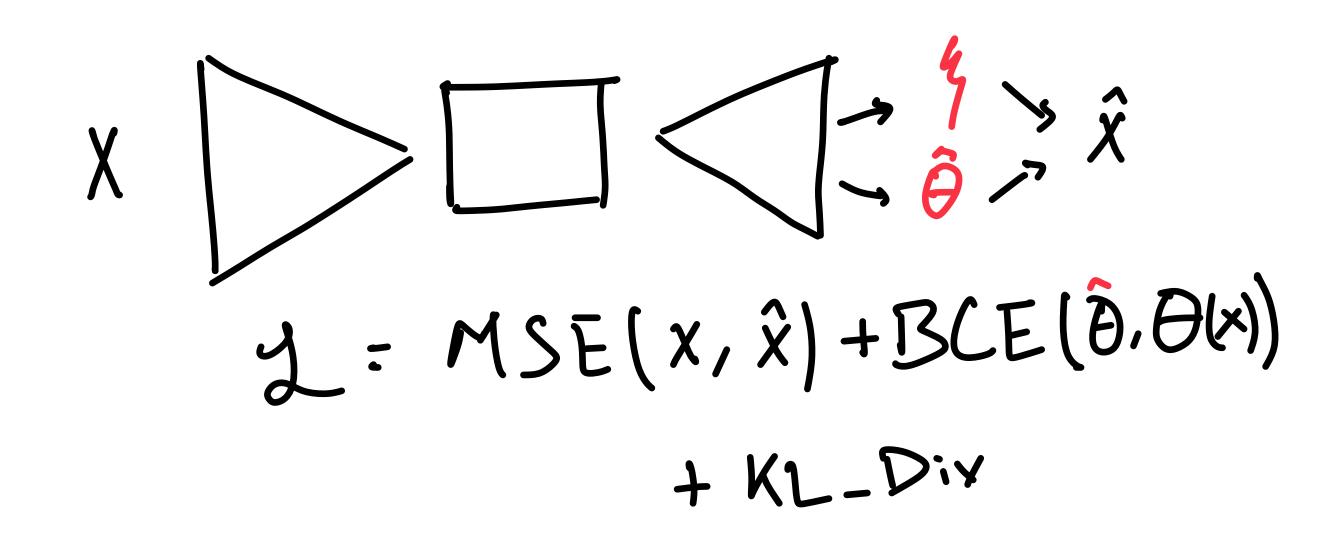
Model bias

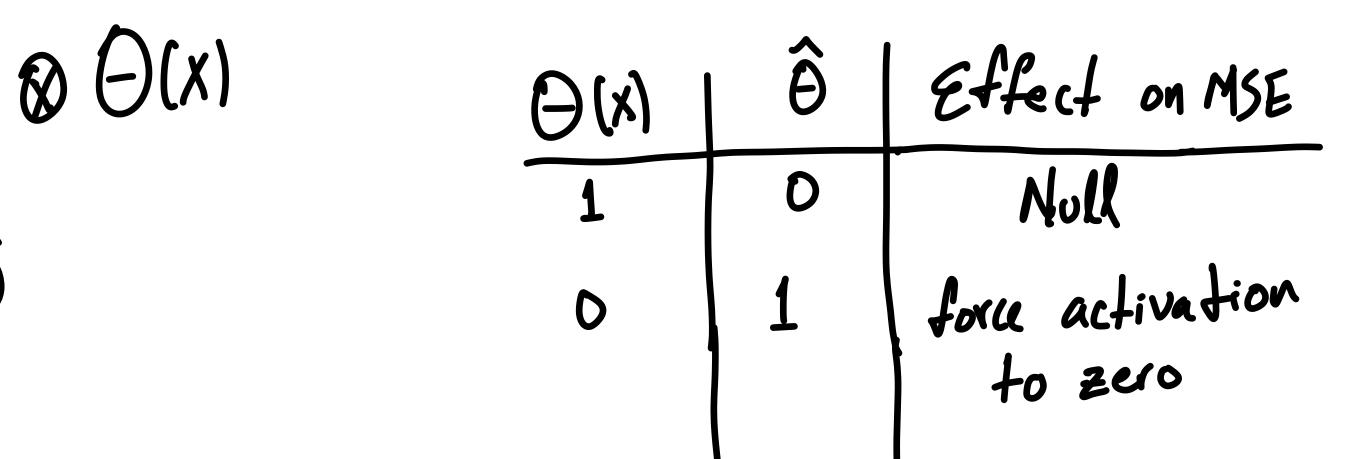
$$MSE(X,\hat{X}) = (X-\hat{X})^{2}$$

$$V_{L}MSE(X,\hat{X}) = Z(X-\hat{X})\cdot\hat{\theta}\frac{\partial \hat{\eta}}{\partial x}$$

Solution: During training:
$$\hat{X} = \hat{Y}$$

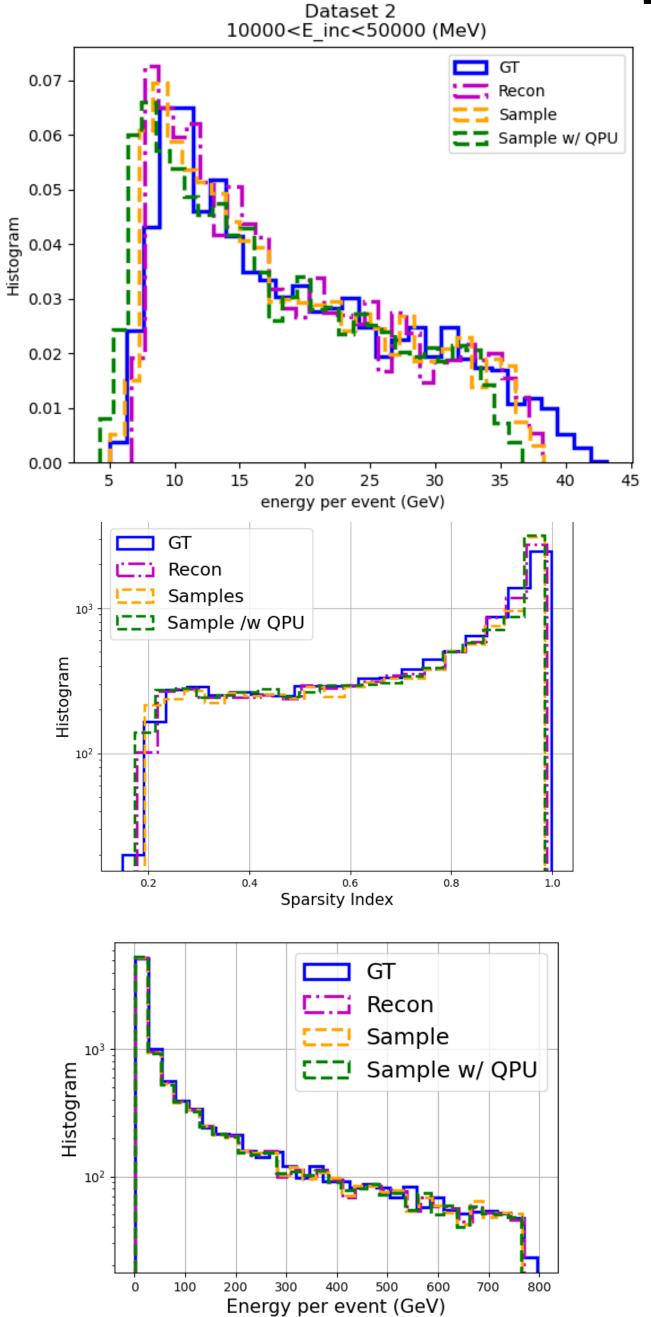
During testing: $\hat{X} = \hat{Y} \otimes \hat{\Theta}$

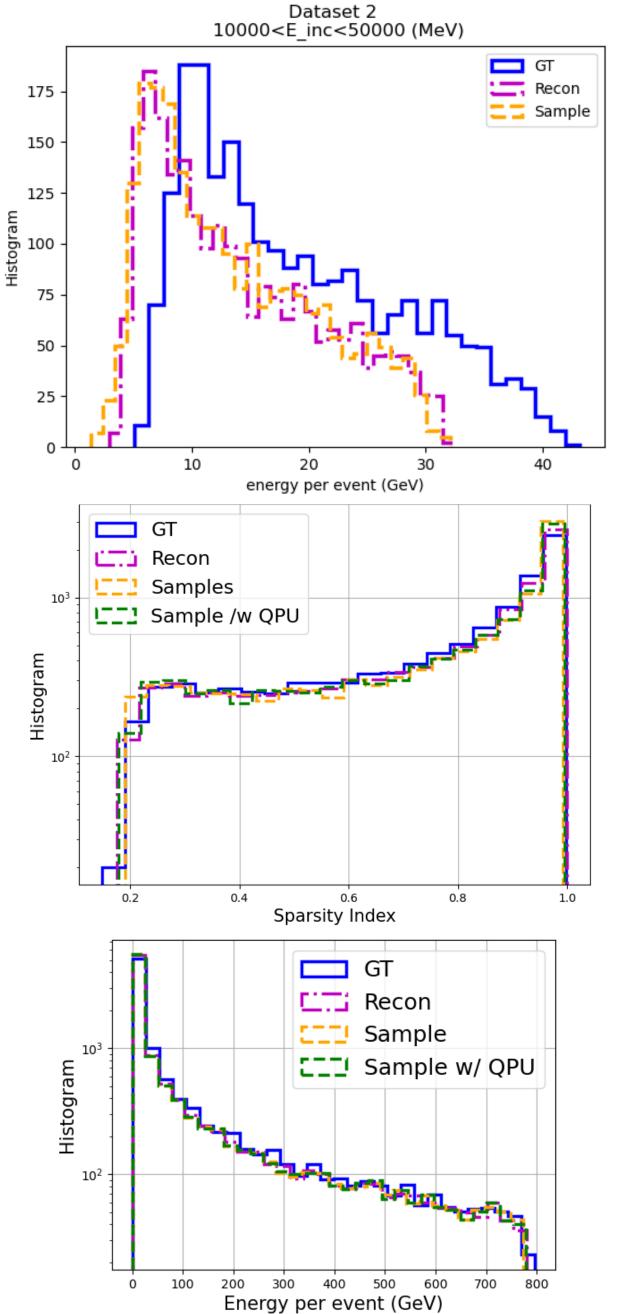


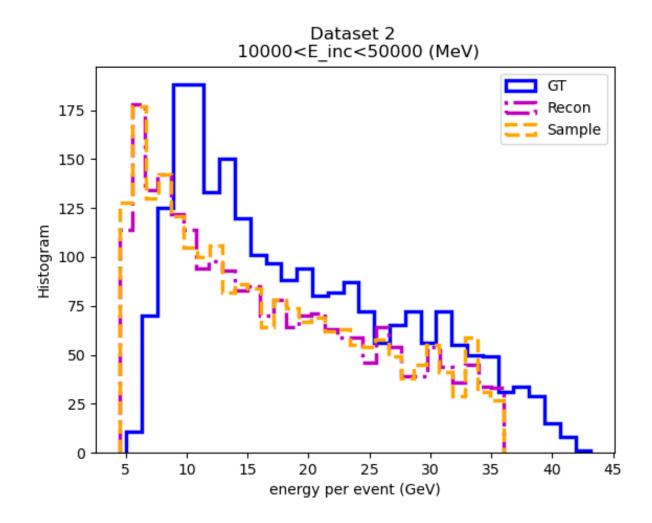


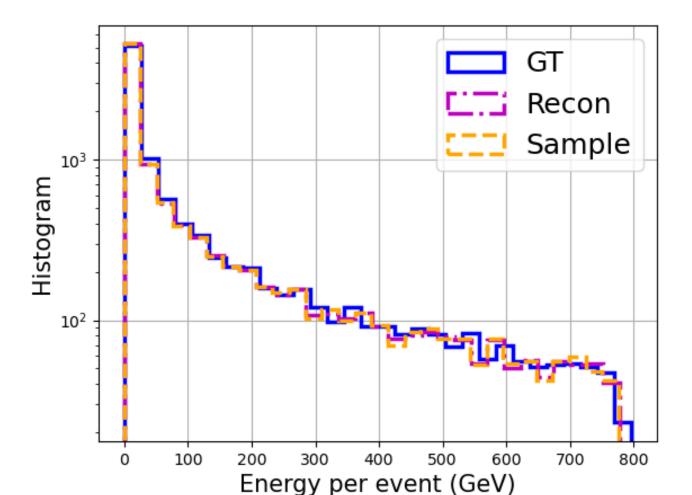
This effectively biases the model towards low energies! (which would explain the undershooting)

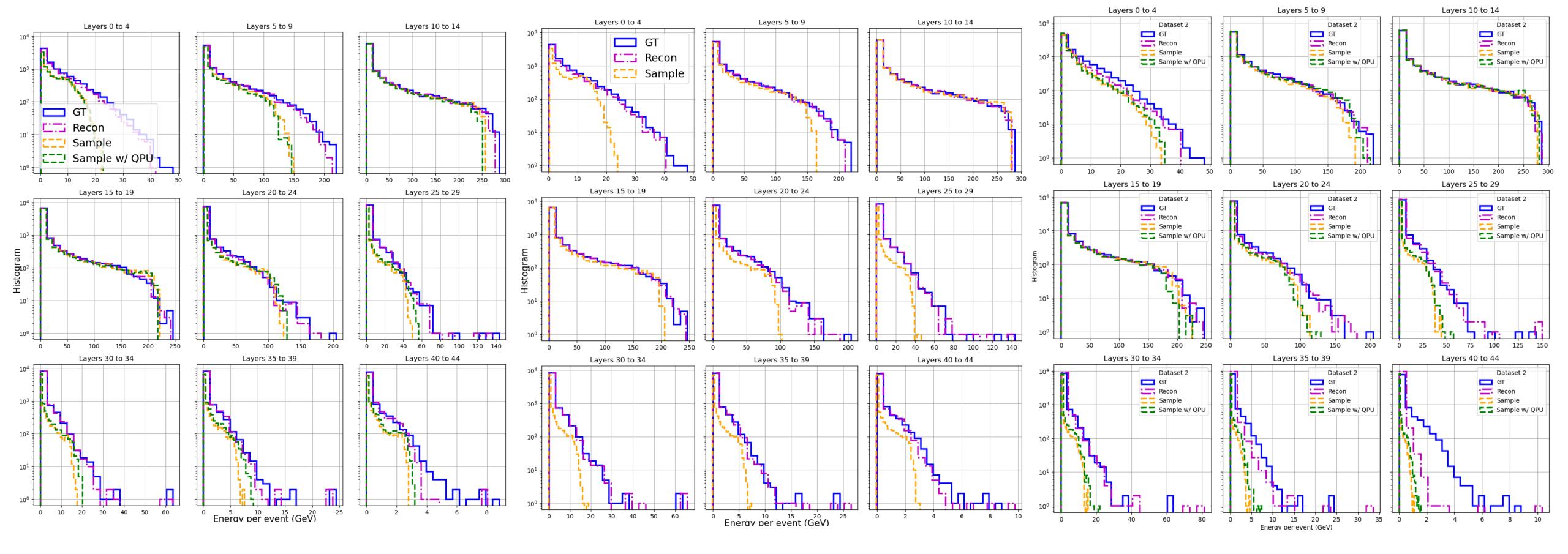
Model comparison

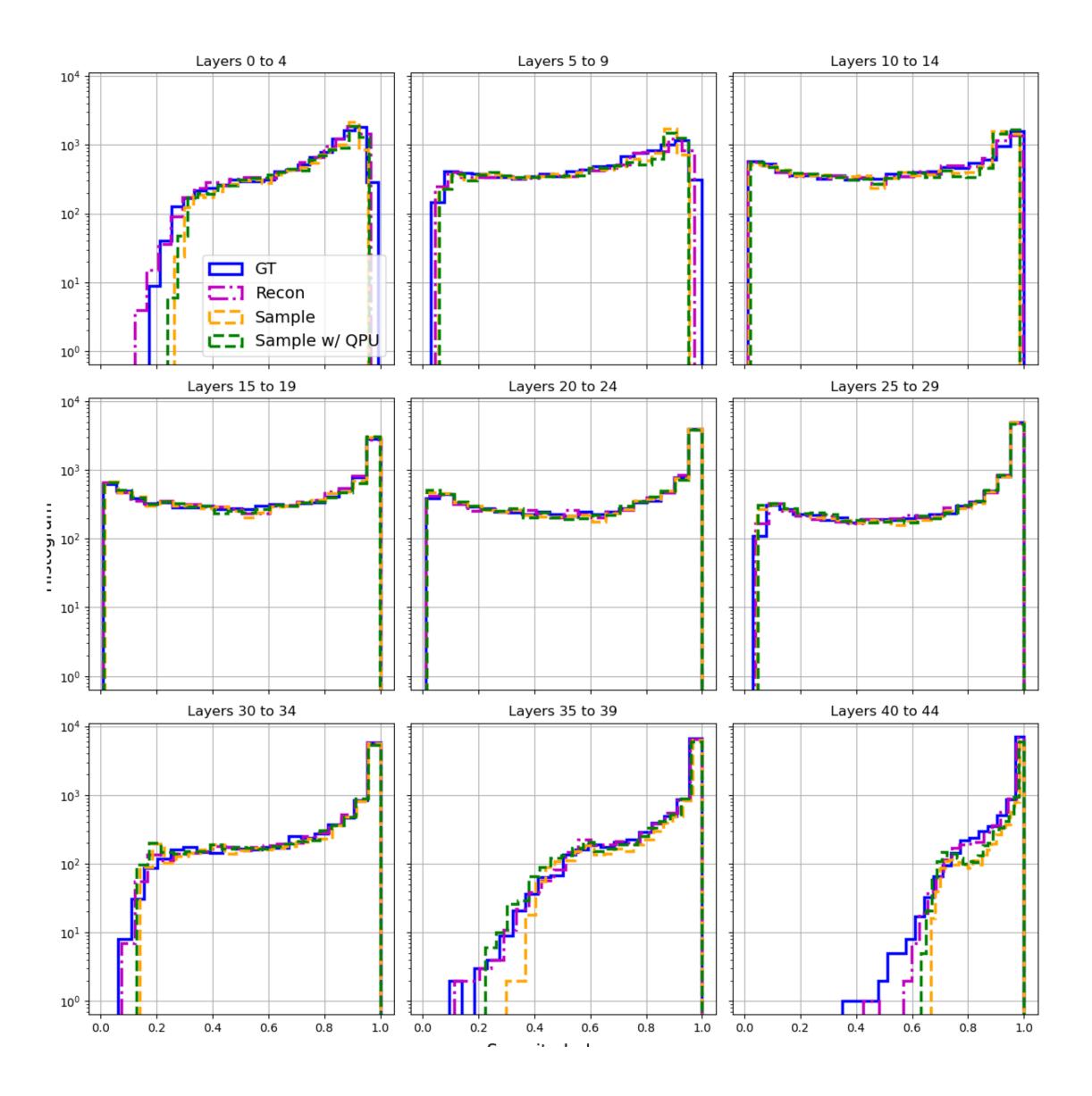


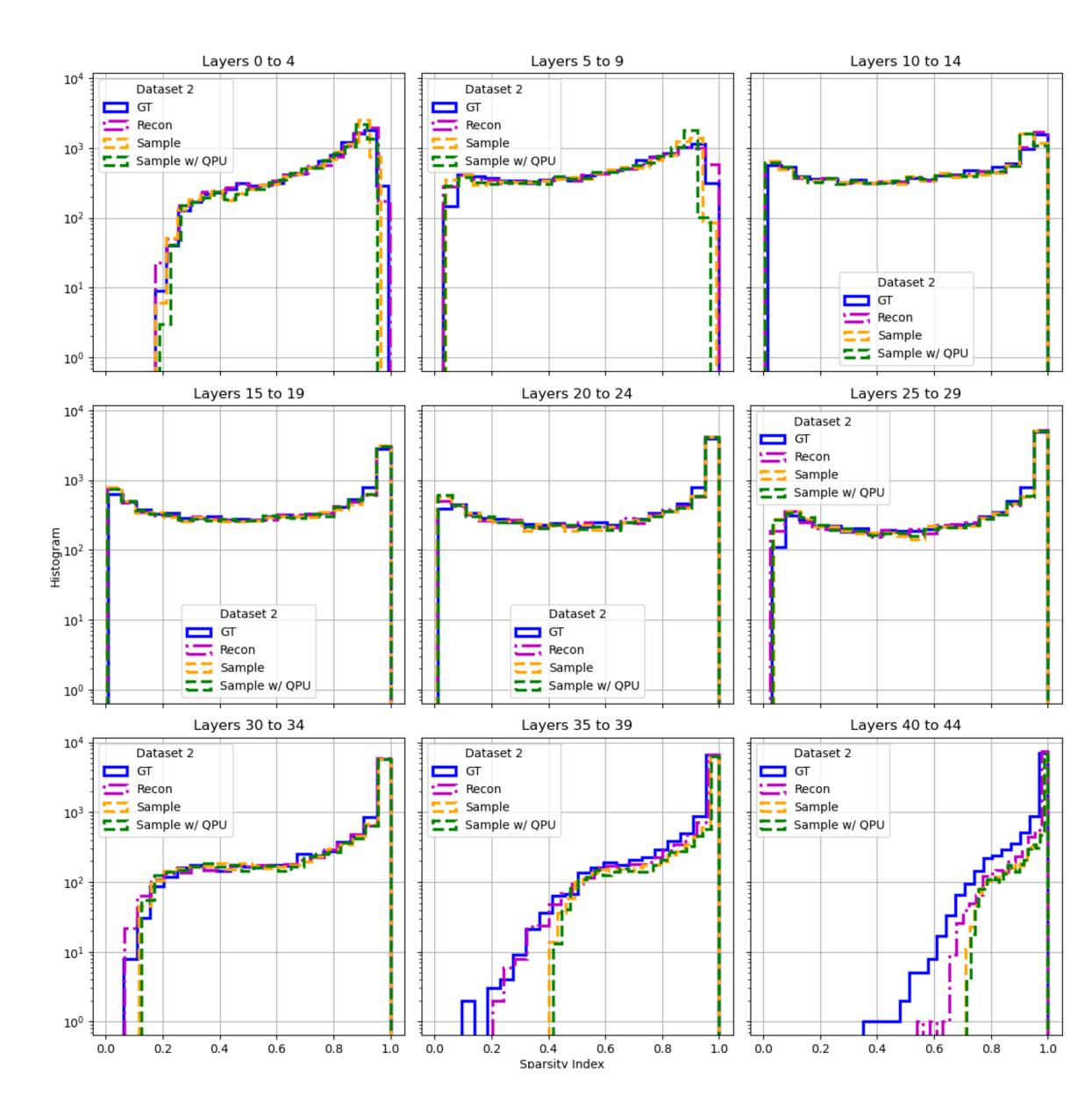


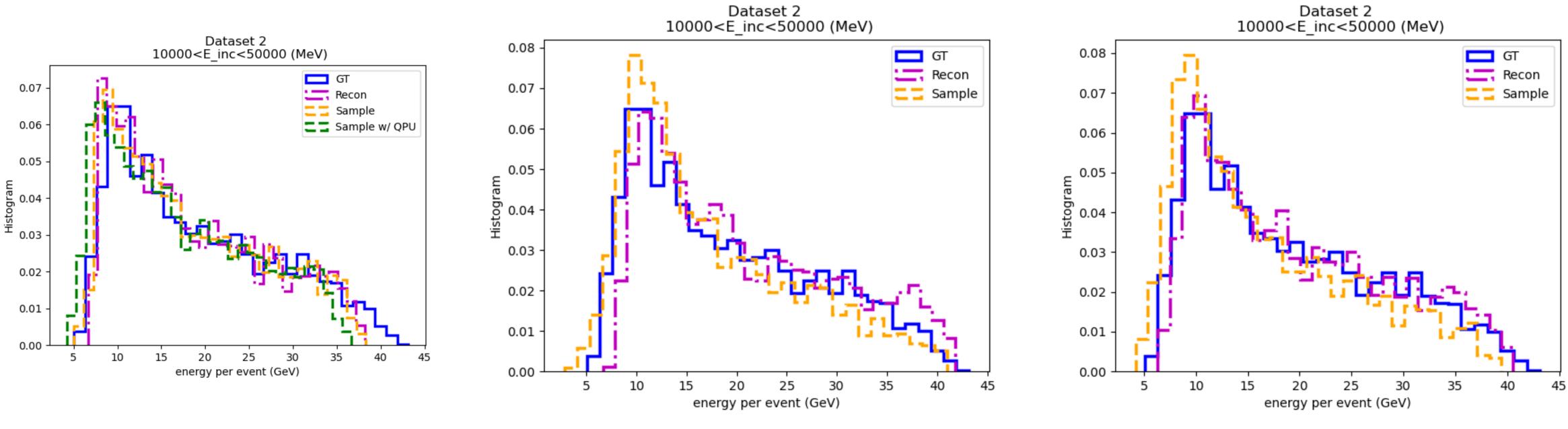








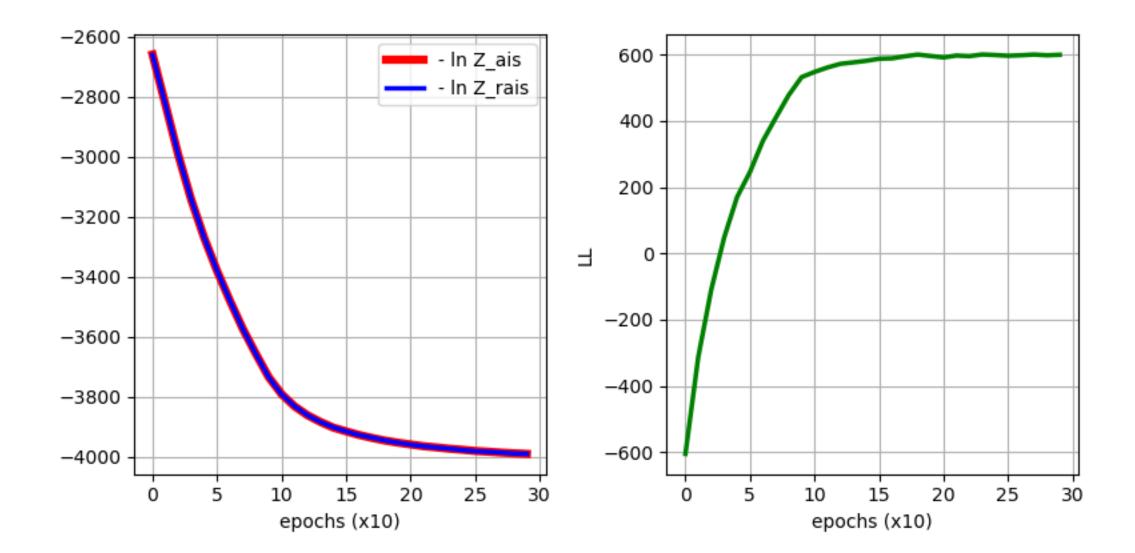




w(x) = 1 + x

No weights on BCE

 $W(X) = \overline{11+X}$



 $\int_{N} \frac{x - \hat{x}}{x} d \frac{1}{2} \ln \frac{1}{x}$ $\frac{1}{x} - \hat{x} d \frac{1}{x} \ln \frac{1}{x}$

