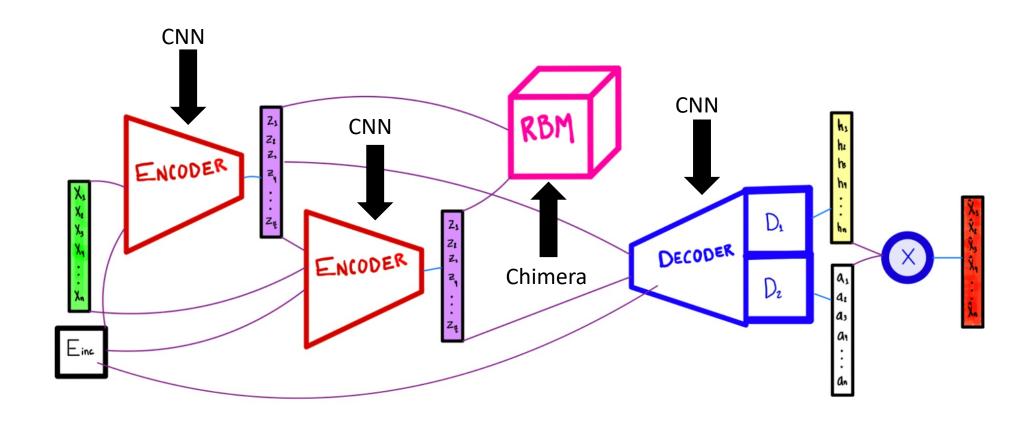
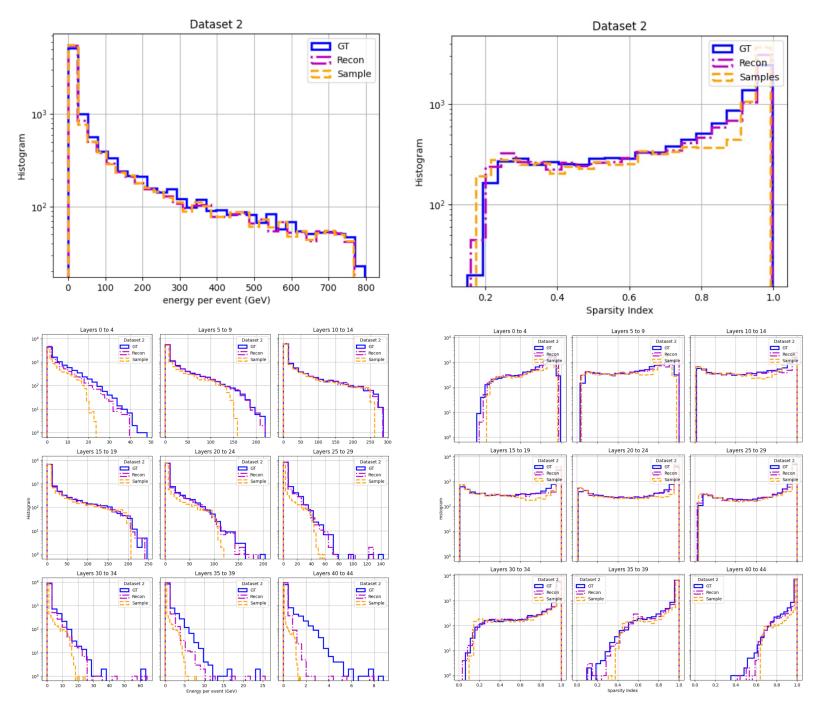
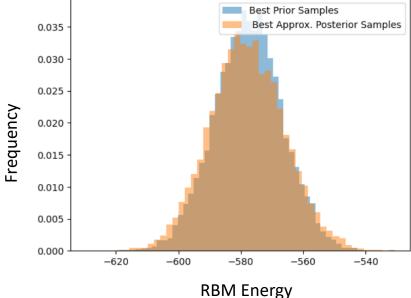
Model #1 – Energy-Conditioned Hierarchical CNN Encoder & Energy-Conditioned CNN Decoder

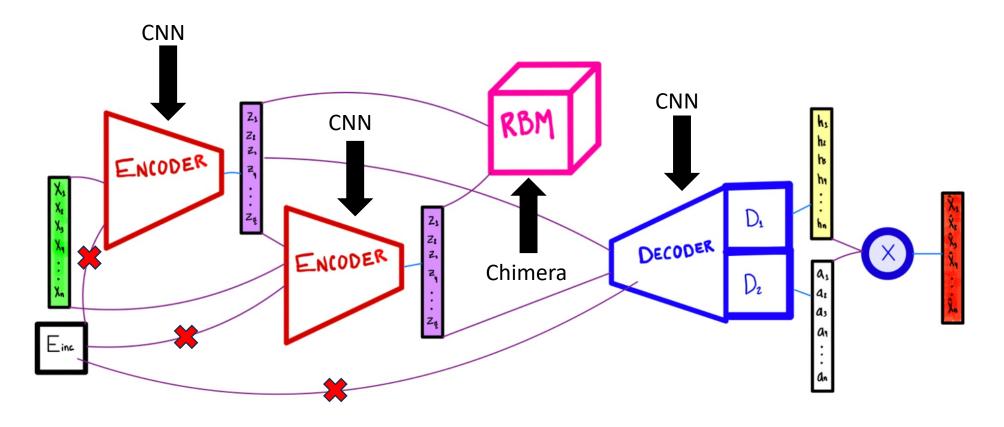




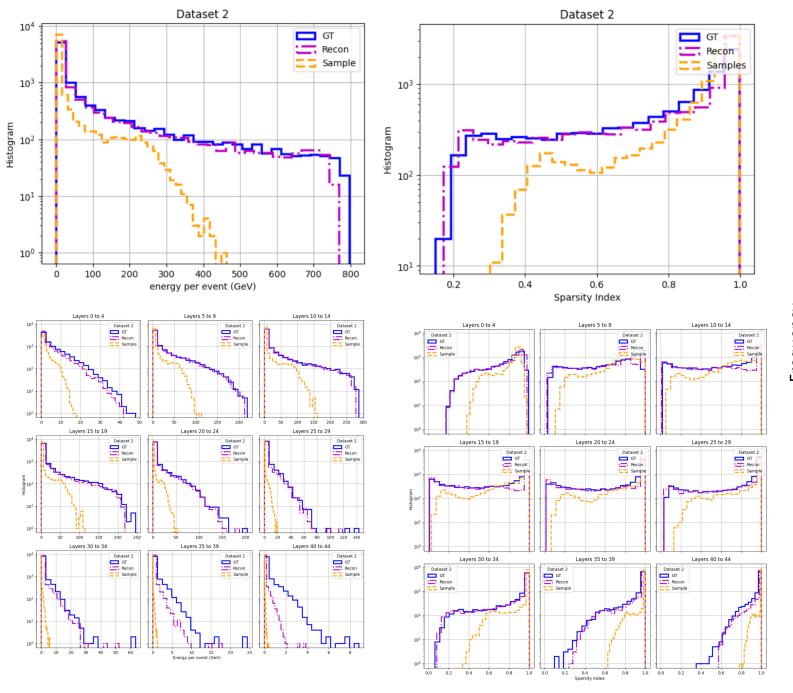
Note: Orange histogram corresponds to RBM energy evaluated over encoded data samples from approx. posterior. Blue histogram corresponds to RBM energy evaluated over samples generated via Gibbs sampling in latent space. We expect overlap between the two histograms for well-trained models

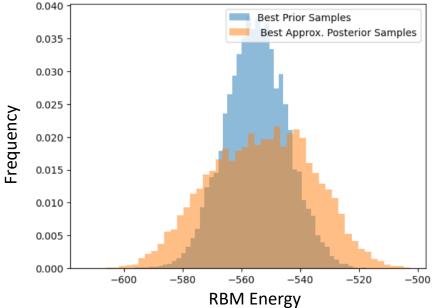


## Model #2 – Unconditioned Hierarchical CNN Encoder & Unconditioned CNN Decoder

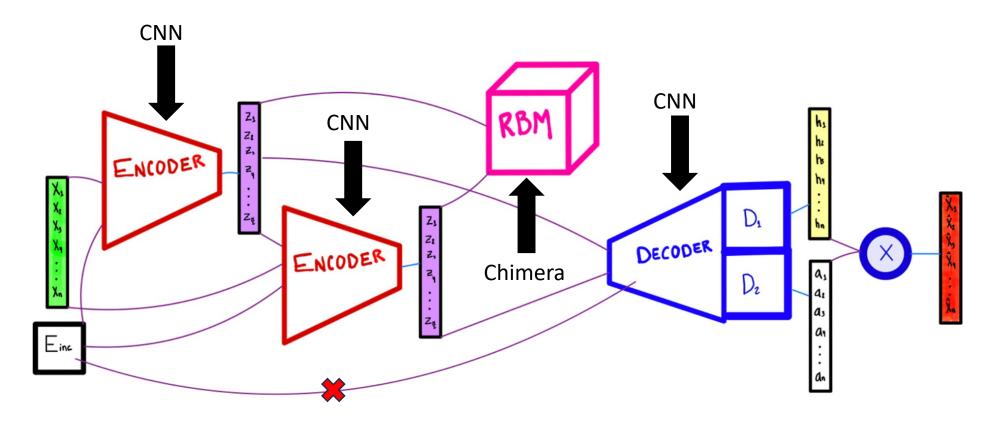




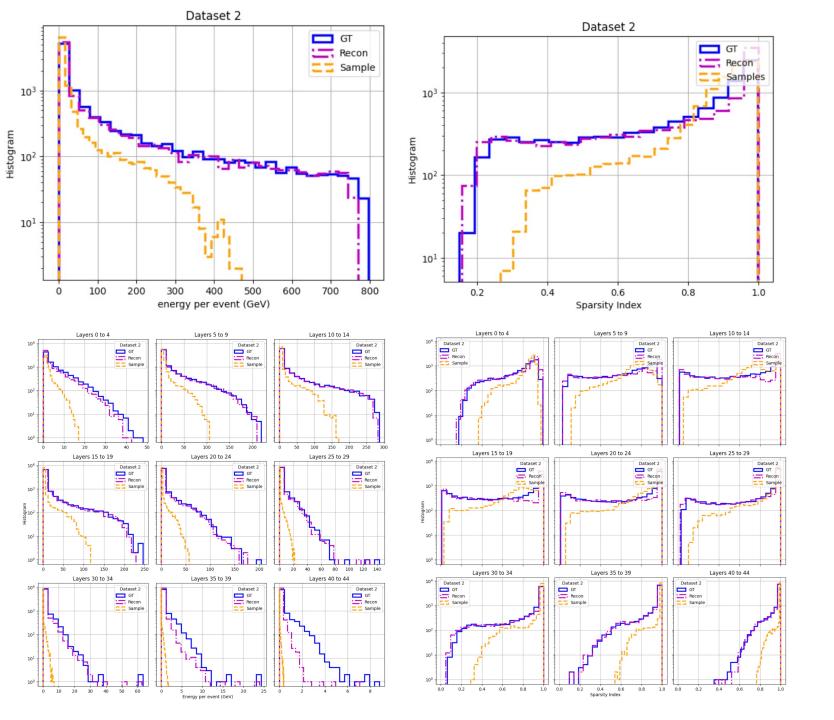


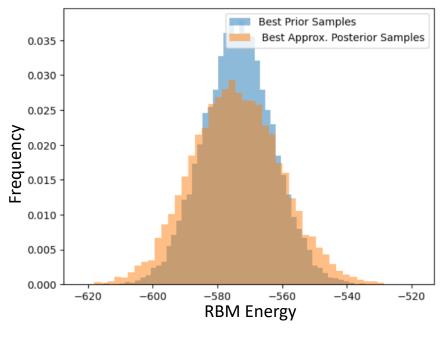


## Model #3 – Energy-conditioned Hierarchical CNN Encoder & Unconditioned CNN Decoder

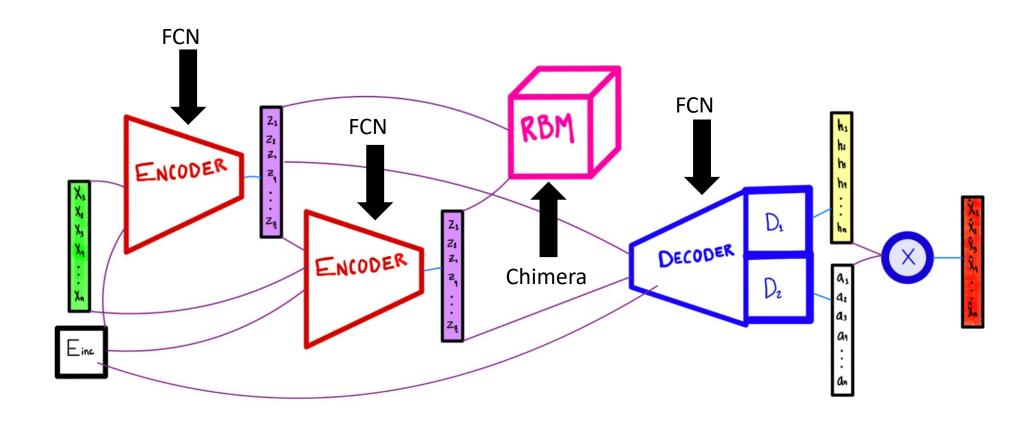


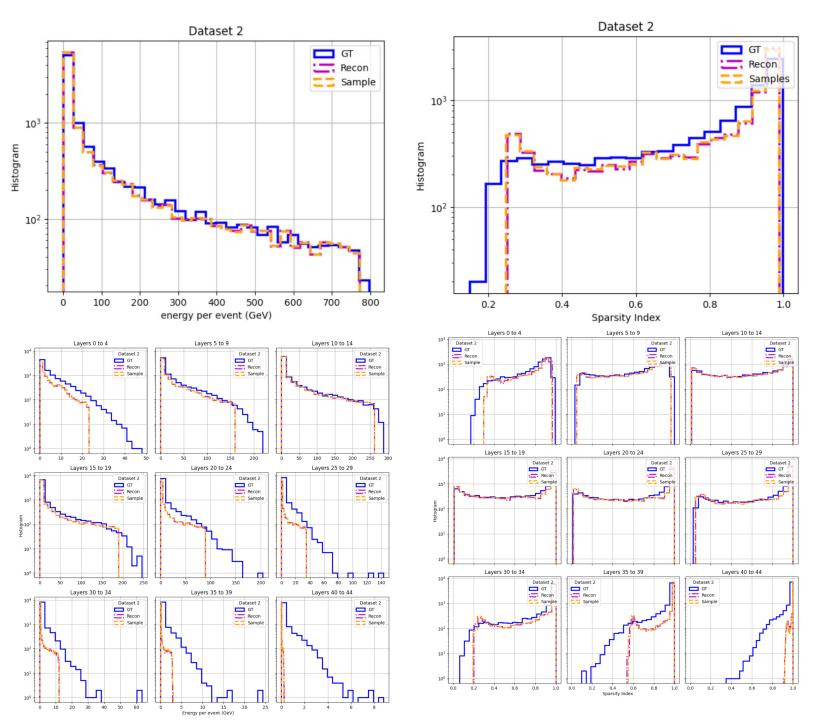


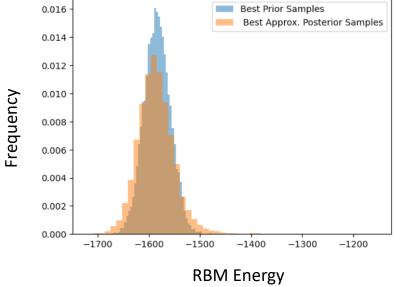




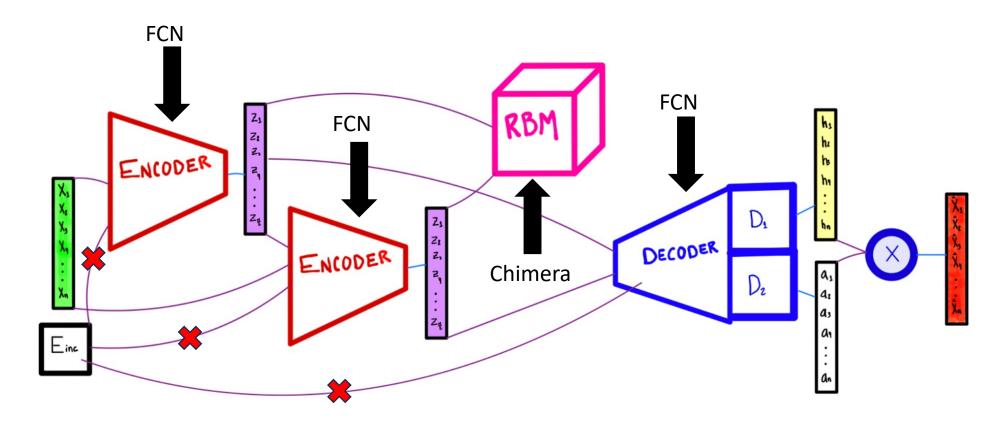
Model #4 – Energy-conditioned Hierarchical FCN Encoder & Energy-conditioned FCN Decoder



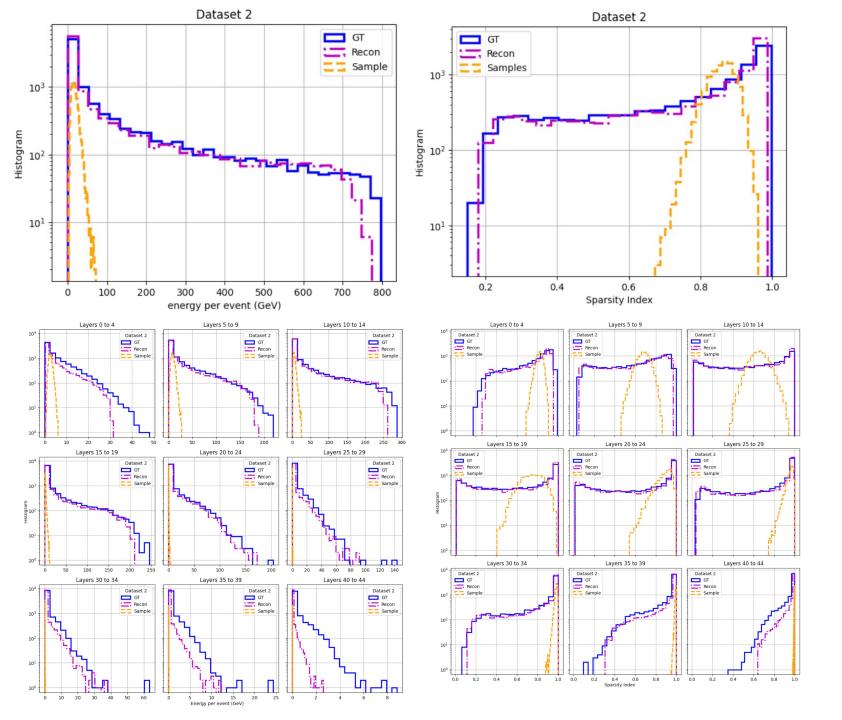


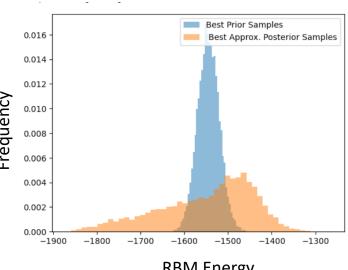


## Model #5 – Unconditioned Hierarchical FCN Encoder & Unconditioned FCN Decoder









**RBM Energy**