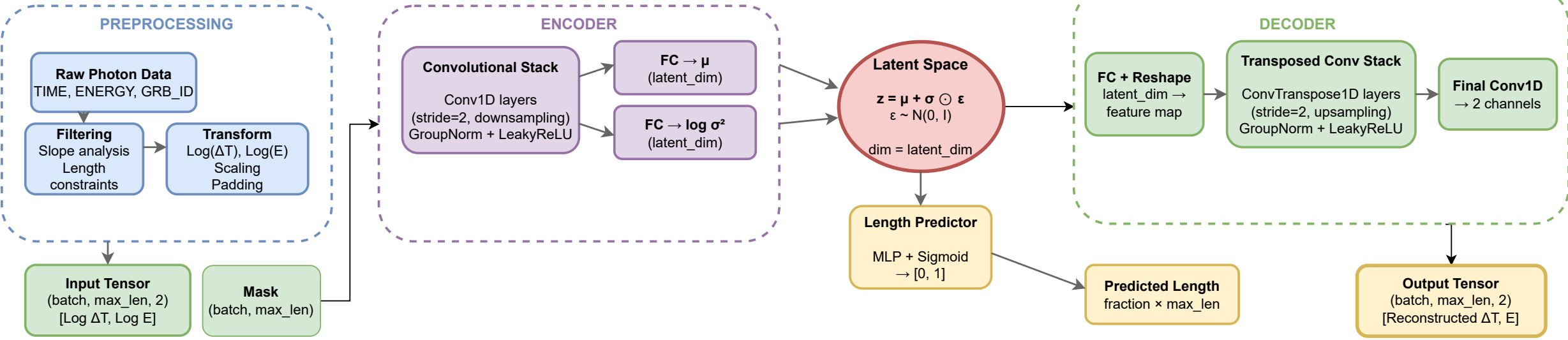


Convolutional Variational Autoencoder for GRB Generation



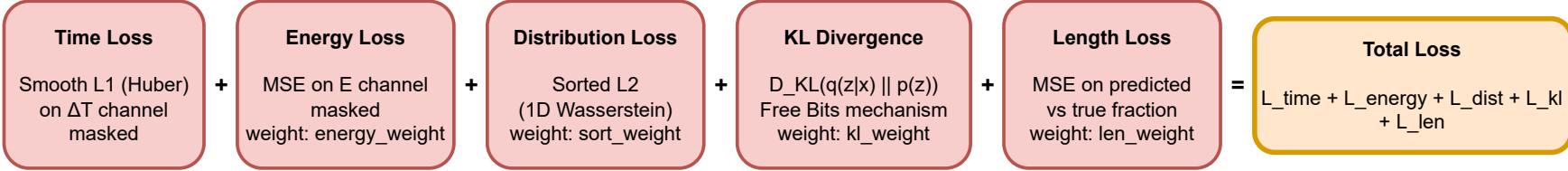
Legend

- Preprocessing
- Encoder
- Latent / Loss
- Decoder
- Output

Key Parameters

- latent_dim
- max_len, min_len
- hidden_dims []
- kl_weight, kl_target
- energy_weight
- sort_weight
- len_weight

LOSS FUNCTIONS



Generation Mode: Sample $z \sim N(0, I) \rightarrow$ Decoder $\rightarrow$ Synthetic GRB sequence + predicted length