## 1. Masked signal modeling with large-scale noisy EEG data **EEG EEG** Latent Encoder Decoder **EEG Signals** Reconstruction Split & Mask 2. Fine-tuning with EEG-image pairs 3. Align EEG, text and image spaces Paired $\times (T-1)$ Image Projection Generated I CLIP Image Layer Encoder Image Embed Denoising **EEG Embed** Denoising U-Net $Z_T$ $Z_{T-1}$ U-Net Pre-trained Stable Diffusion Cosine similarity