Autoencoder results (generator 2) Loss Latent space 1.6 400 1.4 350 1.2 300  $Z_1$ 1.0 ပ 250 8.0 200 0.6 150 -2 0.4 100 10 20 30 40 50 0 2 -5 -3 Epoch  $Z_0$ Reconstruction Reconstruction 6 6 Χ Χ Pure Voigt Pure Voigt 5 5 4 Intensity Intensity 2 2 1 0 0 -1 400 100 200 300 500 100 200 300 500 400 Wavenumber Wavenumber Reconstruction Reconstruction 6 Χ Pure Voigt Pure Voigt 5 5 Intensity Intensity 3 2 2 1 0 -1 100 100 200 200 400 400 300 500 300 500 0 0 Wavenumber Wavenumber