$\sigma_{sim} = 0.1$ $\sigma_{sim} = 0.2$ $\sigma_{sim} = 0.3$ $\sigma_{sim} = 0.4$ $\sigma_{sim} = 0.5$ MLP   CNN

Figure legend: $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, CNN

Figure showing five panels with x-axis "Mag Scale Epsilon" (ranging from 0 to 10^0) and y-axes: "CCN Spectrum Error", "Optical Error", "INP Frozen Fraction Error", "Speciated Mass Relative Error", and "Count Relative Error".

Legend: $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, CNN

Figure axes (left to right):
- CCN Spectrum Error vs Mass Input Epsilon
- Optical Error vs Mass Input Epsilon
- INP Frozen Fraction Error vs Mass Input Epsilon
- Speciated Mass Relative Error vs Mass Input Epsilon
- Count Relative Error vs Mass Input Epsilon

Legend: $\sigma_{sim} = 0.1$ $\sigma_{sim} = 0.2$ $\sigma_{sim} = 0.3$ $\sigma_{sim} = 0.4$ $\sigma_{sim} = 0.5$ MLP   CNN

Legend: $\sigma_{\text{sim}} = 0.1$, $\sigma_{\text{sim}} = 0.2$, $\sigma_{\text{sim}} = 0.3$, $\sigma_{\text{sim}} = 0.4$, $\sigma_{\text{sim}} = 0.5$, MLP, CNN

Figure showing bar charts with y-axes: CCN Spectrum Error, Optical Error, INP Frozen Fraction Error, Speciated Mass Relative Error, and Count Relative Error. Each plot has x-axis labeled "Norm Shift" with categories "Off" and "On". Legend: $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, CNN.

Legend: $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, CNN

CCN Spectrum Error, Optical Error, INP Frozen Fraction Error, Speciated Mass Relative Error, and Count Relative Error plotted against Norm Scale Epsilon for $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, and CNN.

CCN Spectrum Error — Norm Scale Dim: Bins, Chems, Both, One

Optical Error — Norm Scale Dim: Bins, Chems, Both, One

INP Frozen Fraction Error — Norm Scale Dim: Bins, Chems, Both, One

Speciated Mass Relative Error — Norm Scale Dim: Bins, Chems, Both, One

Count Relative Error — Norm Scale Dim: Bins, Chems, Both, One

$\sigma_{sim} = 0.1$ $\sigma_{sim} = 0.2$ $\sigma_{sim} = 0.3$ $\sigma_{sim} = 0.4$ $\sigma_{sim} = 0.5$ MLP   CNN

Legend: $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, CNN

Legend: $\sigma_{\mathrm{sim}} = 0.1$, $\sigma_{\mathrm{sim}} = 0.2$, $\sigma_{\mathrm{sim}} = 0.3$, $\sigma_{\mathrm{sim}} = 0.4$, $\sigma_{\mathrm{sim}} = 0.5$, MLP, CNN

Legend: $\sigma_{sim} = 0.1$, $\sigma_{sim} = 0.2$, $\sigma_{sim} = 0.3$, $\sigma_{sim} = 0.4$, $\sigma_{sim} = 0.5$, MLP, CNN