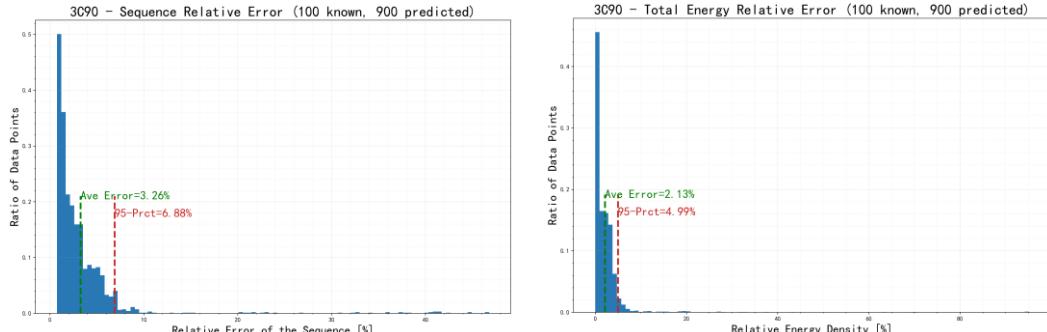


MagNet Challenge 2 Pretest Results – Fuzhou University – 11.15

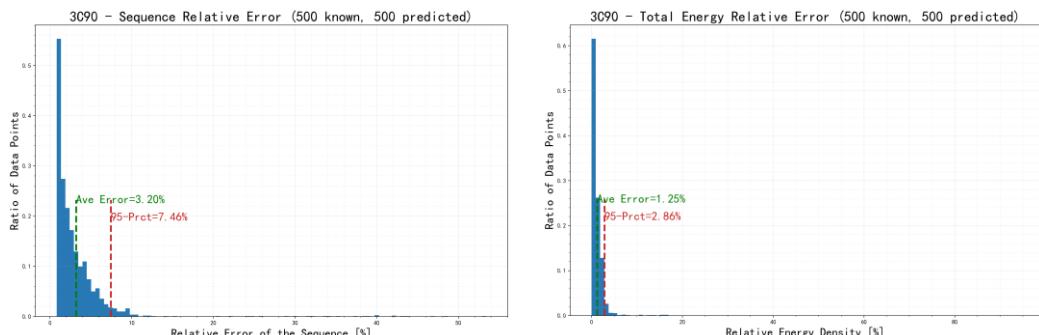
Material I: 3C90

Sequence Relative Error

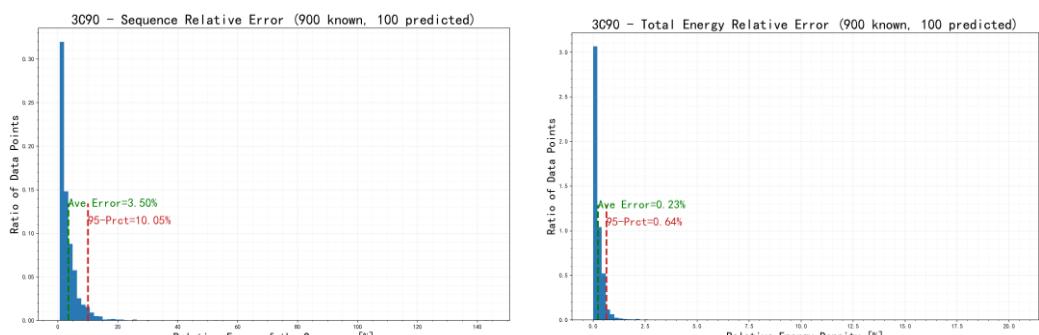
1. 10% known, 90% Prediction



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction



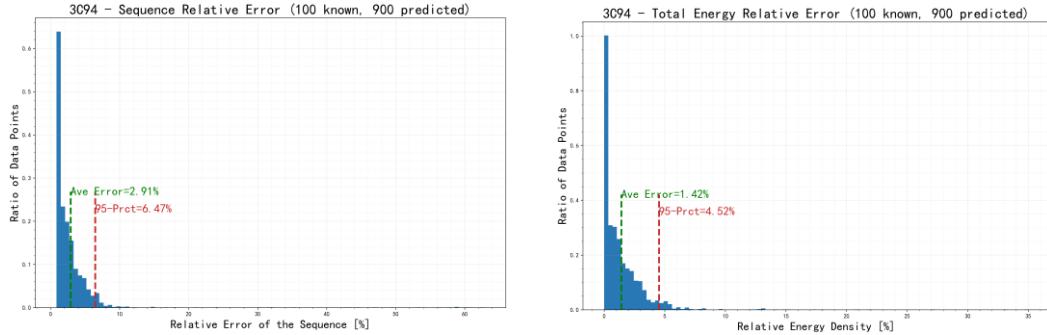
3C90	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	3.26	6.88	2.19	4.99
50% known	3.20	7.46	1.25	2.86
90% known	3.50	10.05	0.23	0.64

Material II: 3C94

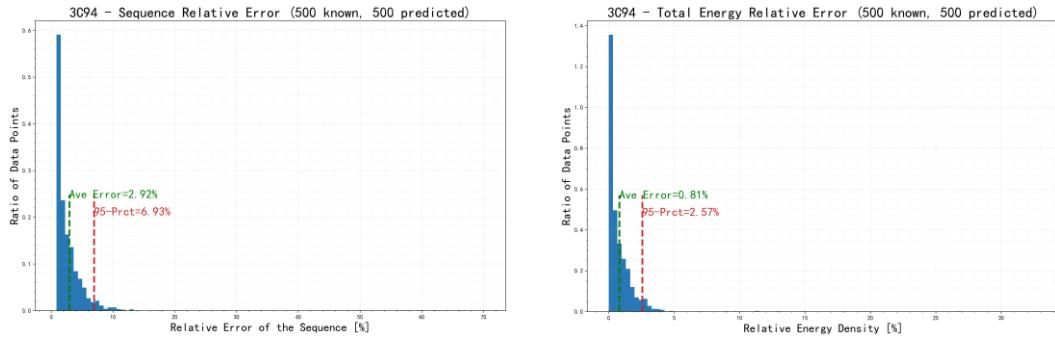
Sequence Relative Error

Energy Loss Relative Error

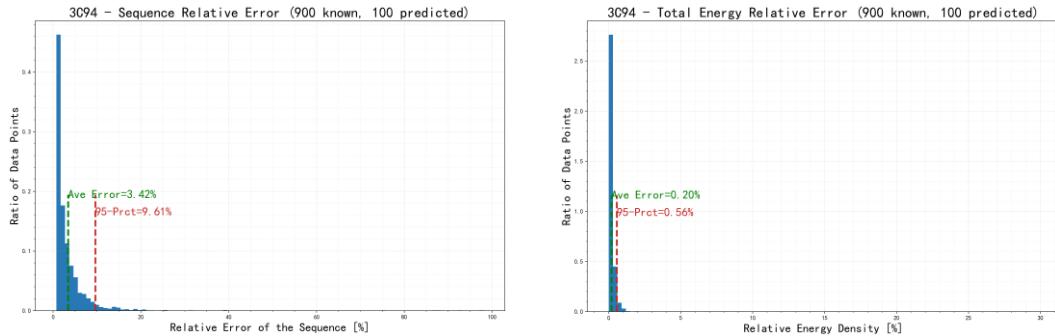
1. 10% known, 90% Prediction



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

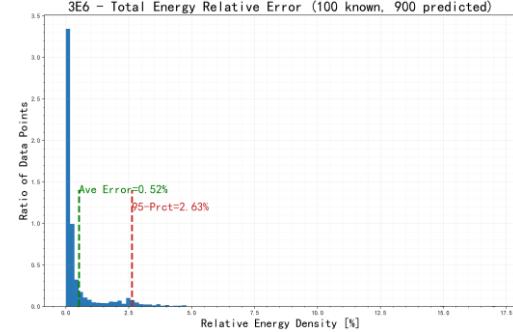
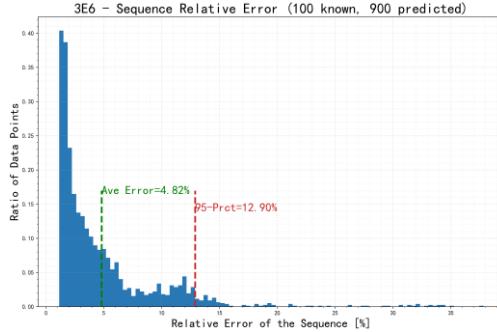


3C94	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	2.91	6.47	1.42	4.52
50% known	2.92	6.93	0.81	2.57
90% known	3.42	9.61	0.20	0.56

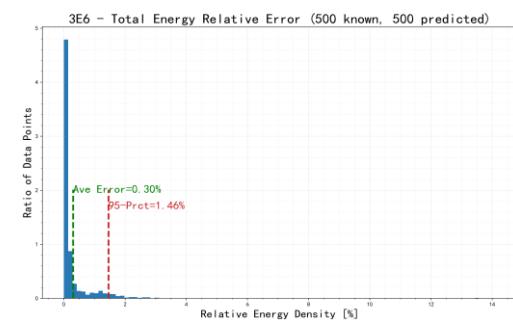
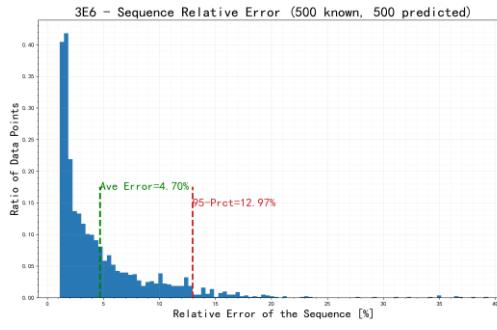
Material III: 3E6

Sequence Relative Error

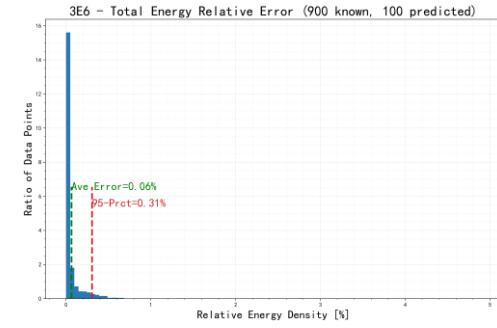
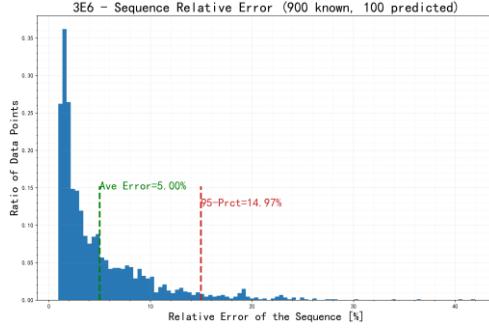
1. 10% known, 90% Prediction



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

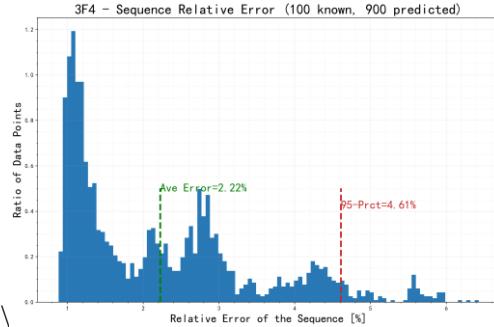


3E6	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	4.82	12.90	0.52	2.63
50% known	4.70	12.97	0.30	1.46
90% known	5.00	14.97	0.06	0.31

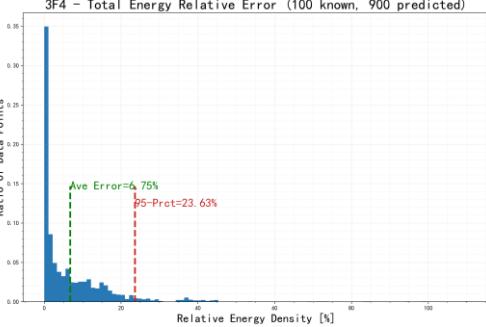
Material IV: 3F4

Sequence Relative Error

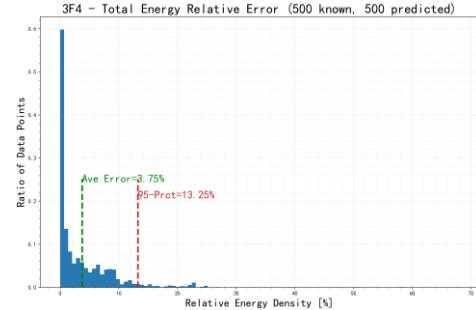
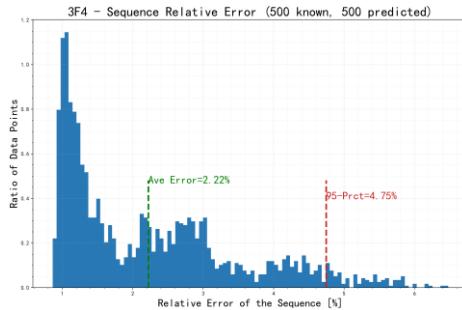
1. 10% known, 90% Prediction



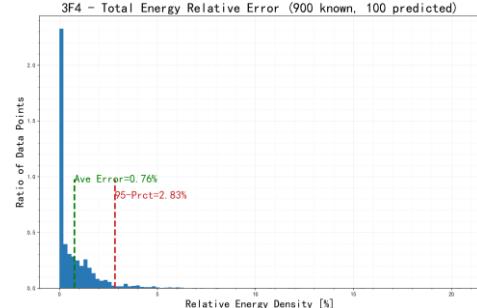
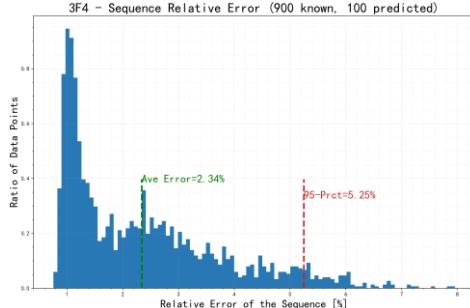
Energy Loss Relative Error



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

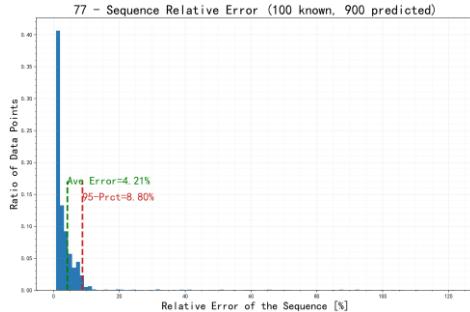


3F4	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	2.22	4.61	6.75	23.63
50% known	2.22	4.75	3.75	13.25
90% known	2.34	5.25	0.76	2.83

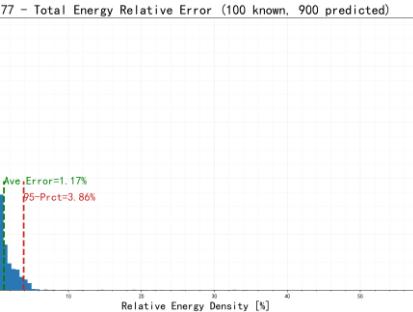
Material V: 77

Sequence Relative Error

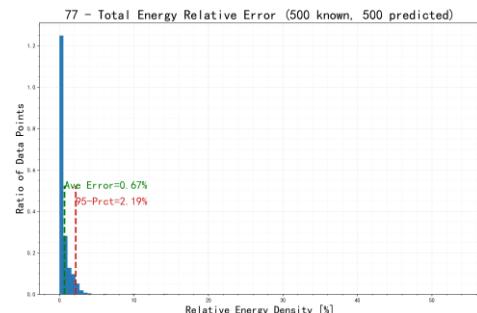
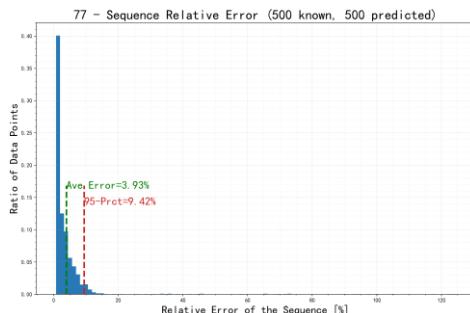
1. 10% known, 90% Prediction



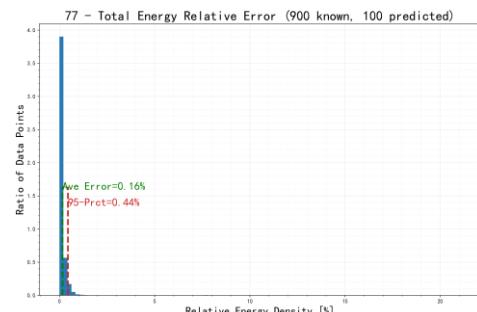
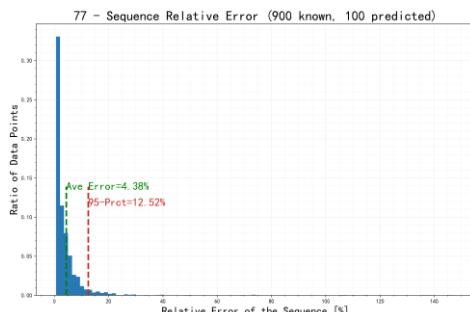
Energy Loss Relative Error



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction



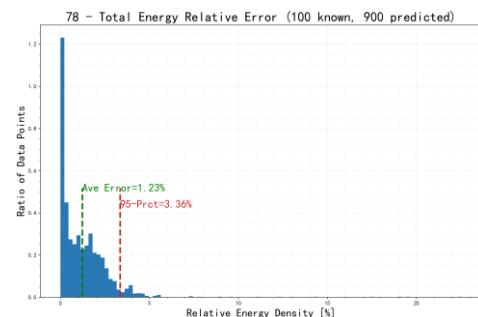
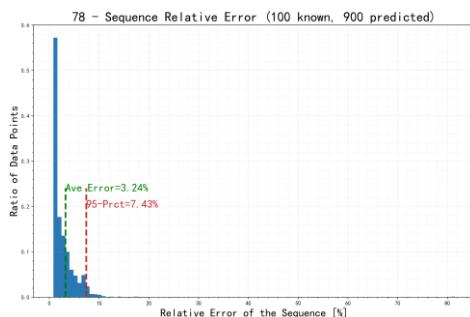
77	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	4.21	8.80	1.17	3.86
50% known	3.93	9.42	0.67	2.19
90% known	4.38	12.52	0.16	0.44

Material VI: 78

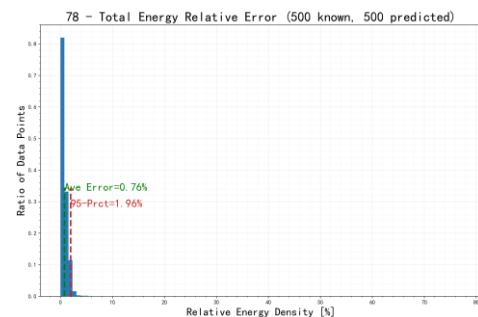
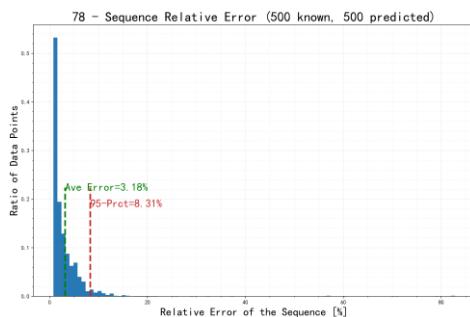
Sequence Relative Error

Energy Loss Relative Error

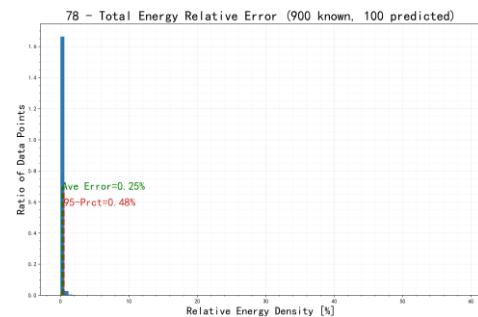
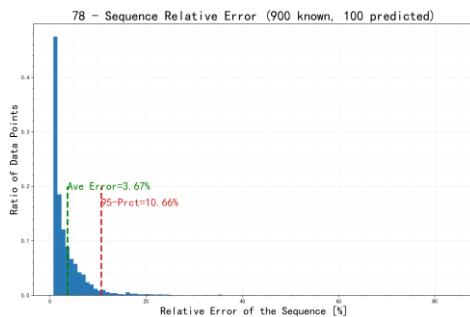
1. 10% known, 90% Prediction



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

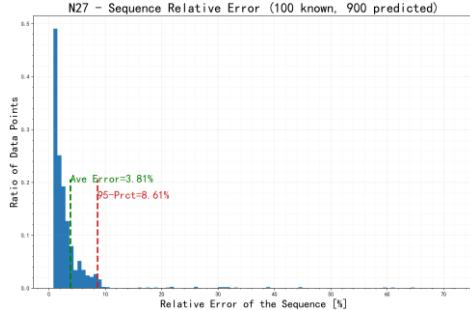


78	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	3.24	7.43	1.23	3.36
50% known	3.18	8.31	0.76	1.96
90% known	3.67	10.66	0.25	0.48

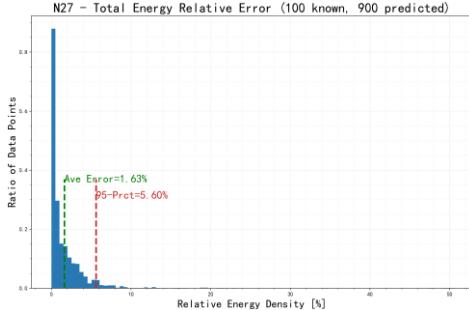
Material VII: N27

Sequence Relative Error

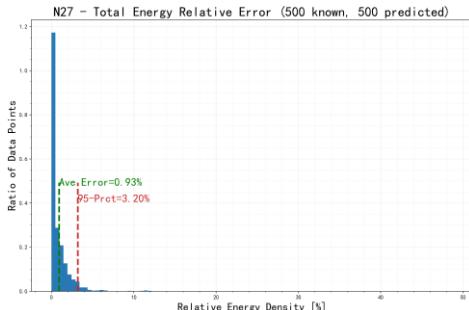
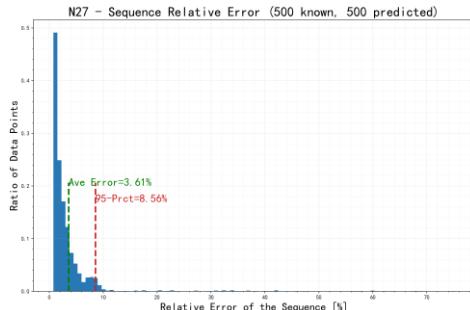
1. 10% known, 90% Prediction



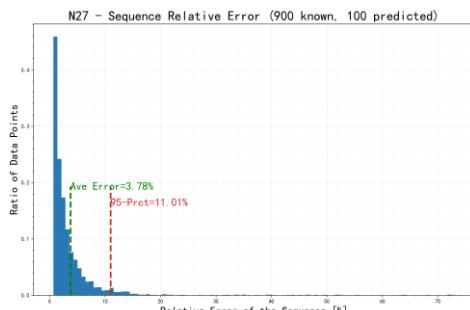
Energy Loss Relative Error



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

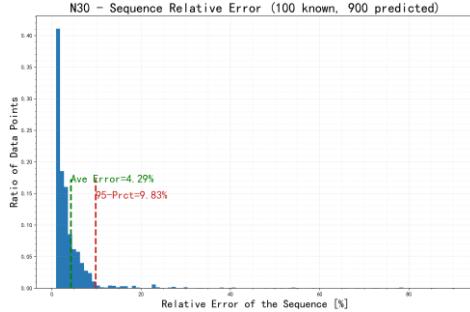


N27	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	3.81	8.61	1.63	5.60
50% known	3.61	8.56	0.93	3.20
90% known	3.78	11.01	0.27	0.67

Material VIII: N30

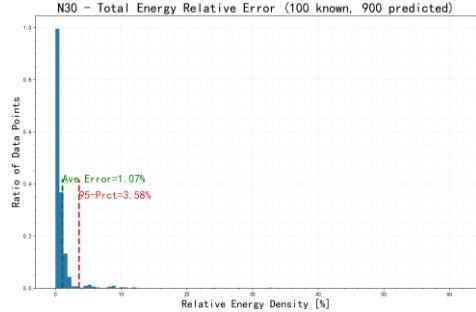
Sequence Relative Error

1. 10% known, 90% Prediction

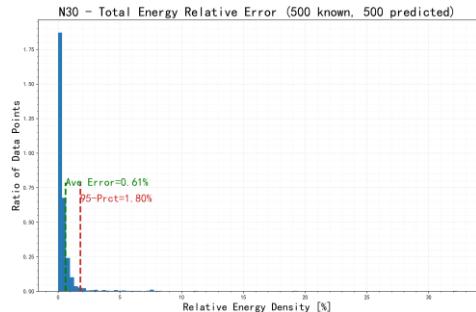
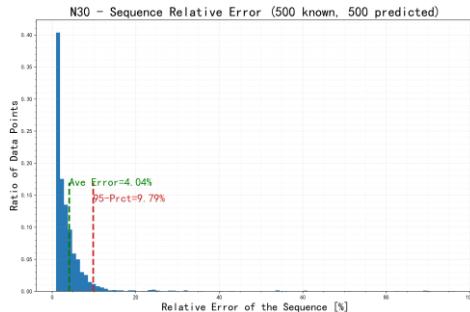


Energy Loss Relative Error

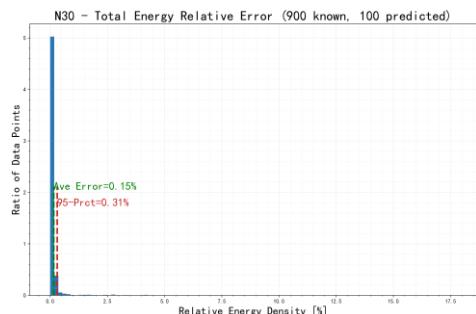
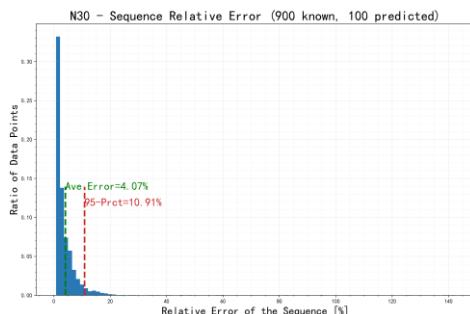
N30 – Total Energy Relative Error (100 known, 900 predicted)



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

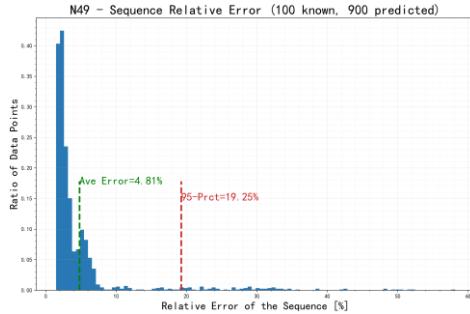


N30	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	4.29	9.83	1.07	3.58
50% known	4.04	9.79	0.67	1.80
90% known	4.07	10.91	0.15	0.31

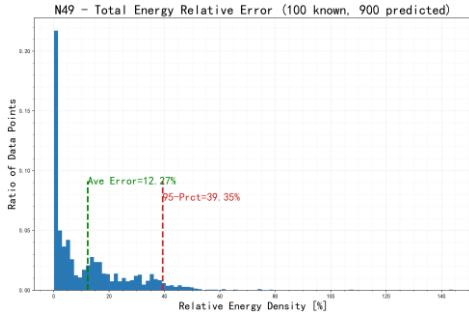
Material IX: N49

Sequence Relative Error

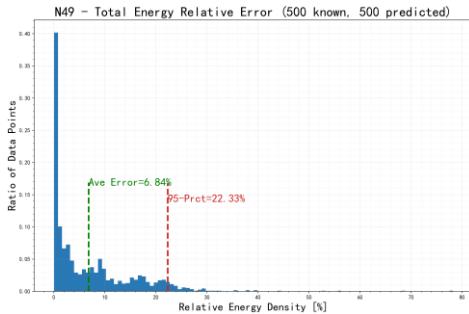
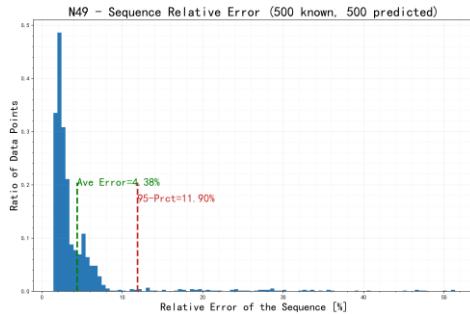
1. 10% known, 90% Prediction



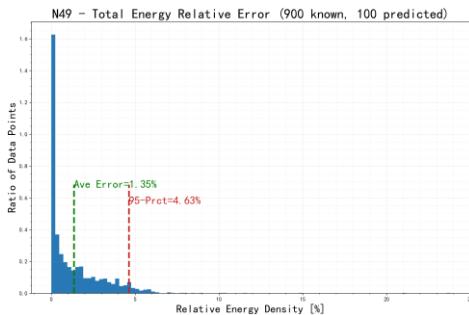
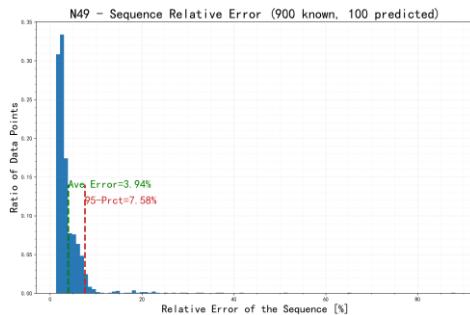
Energy Loss Relative Error



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction

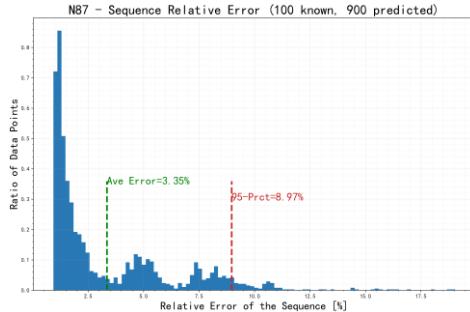


N49	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	4.81	19.25	12.27	39.35
50% known	4.38	11.90	6.84	22.33
90% known	3.94	7.58	1.35	4.63

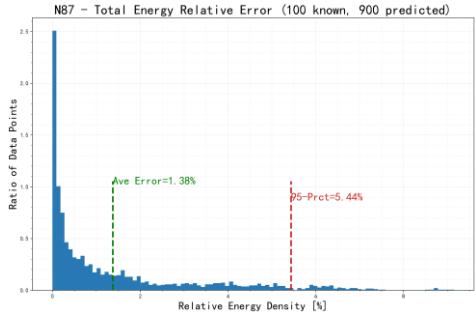
Material X: N87

Sequence Relative Error

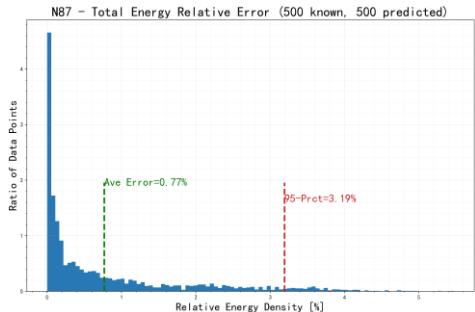
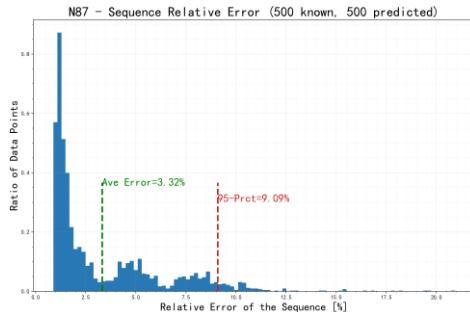
1. 10% known, 90% Prediction



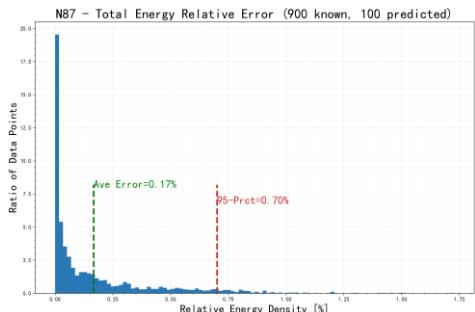
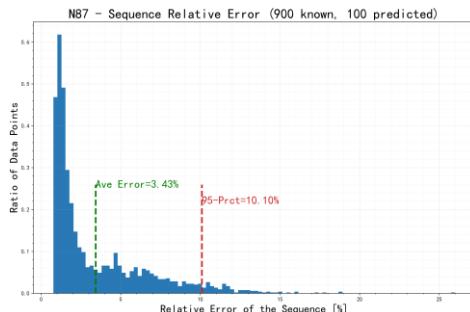
Energy Loss Relative Error



2. 50% known, 50% Prediction



3. 90% known, 10% Prediction



N87	Sequence Relative Error		Energy Loss Relative Error	
	Ave Error (%)	95-Prct (%)	Ave Error (%)	95-Prct (%)
10% known	3.35	8.97	1.38	5.44
50% known	3.32	9.09	0.77	3.19
90% known	3.43	10.10	0.17	0.70