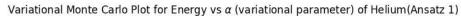
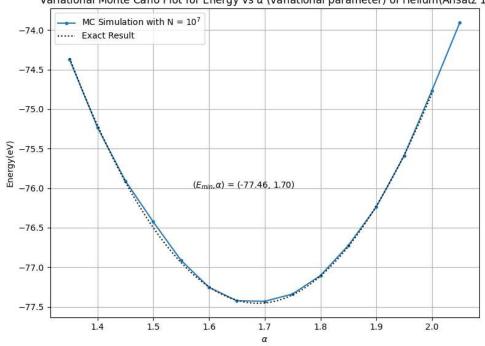
Helium VMC

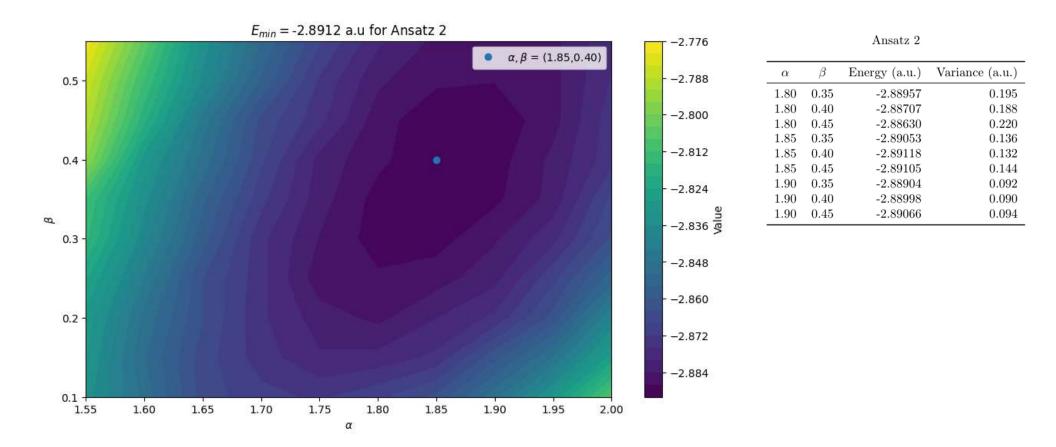




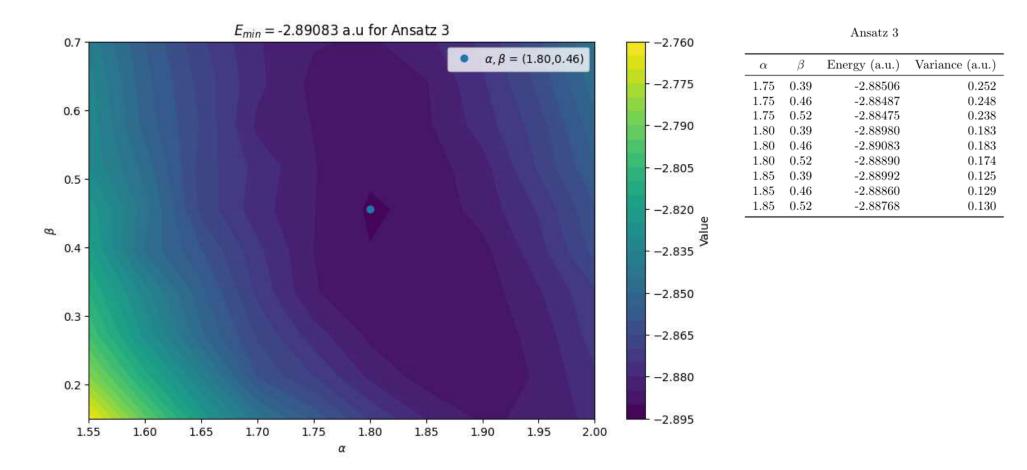
Helium Ansatz 1

alpha	Energy (a.u.)	Energy (eV)	Variance (a.u.)
1.35	-2.73	-74.38	1.41
1.40	-2.77	-75.23	1.38
1.45	-2.79	-75.91	1.49
1.50	-2.81	-76.43	1.12
1.55	-2.83	-76.91	1.05
1.60	-2.84	-77.25	1.05
1.65	-2.85	-77.42	0.91
1.70	-2.85	-77.43	0.90
1.75	-2.84	-77.34	0.86
1.80	-2.83	-77.11	0.80
1.85	-2.82	-76.73	0.88
1.90	-2.80	-76.24	0.85
1.95	-2.78	-75.59	0.93
2.00	-2.75	-74.77	1.09
2.05	-2.72	-73.91	1.30

Average R12 for Ansatz 1 = 1.288 bohr



Average R12 for Ansatz 2 = 1.3784bohr



Average R12 for Ansatz 3 = 1.3717bohr