

	$\chi_{\text{STO}}$	$\phi_{1s}$	$\phi_{2s}$	$\phi_{1p_x}$	$\phi_{1p_y}$	$\phi_{1p_z}$	
		↓	↓	↓	↓	↓	
		0	1	2	3	4	
		-0.91415	1.39733	1.98729	1.98729	1.98729	← orb. energ.
		2.00000	0.00000	0.00000	0.00000	0.00000	← population
0He	1s	-0.592633	-1.149540	0.000000	0.000000	-0.000000	
0He	2s	-0.513015	1.187212	-0.000000	-0.000000	0.000000	
0He	1p <sub>z</sub>	-0.000000	-0.000000	-0.300180	-0.953879	-0.002418	
0He	1p <sub>x</sub>	0.000000	-0.000000	-0.007525	-0.000167	0.999972	
0He	1p <sub>y</sub>	0.000000	0.000000	-0.953853	0.300190	-0.007128	
				$C_i$			