

Table 4.5 Correlation energies for the beryllium atom in a 4s2p basis set

Level	ΔE_{corr} (au)	%	Level	ΔE_{corr} (au)	%	Level	ΔE_{corr} (au)	%
MP2	0.053174	67.85						
MP3	0.067949	86.70	CISD	0.075277	96.05	CCSD	0.078176	99.75
MP4	0.074121	94.58				CCSD(T)	0.078361	99.99
MP5	0.076918	98.15	CISDT	0.075465	96.29	CCSDT	0.078364	99.99
MP6	0.078090	99.64						
MP7	0.078493	100.15	CISDTQ	0.078372	100	CCSDTQ	0.078372	100