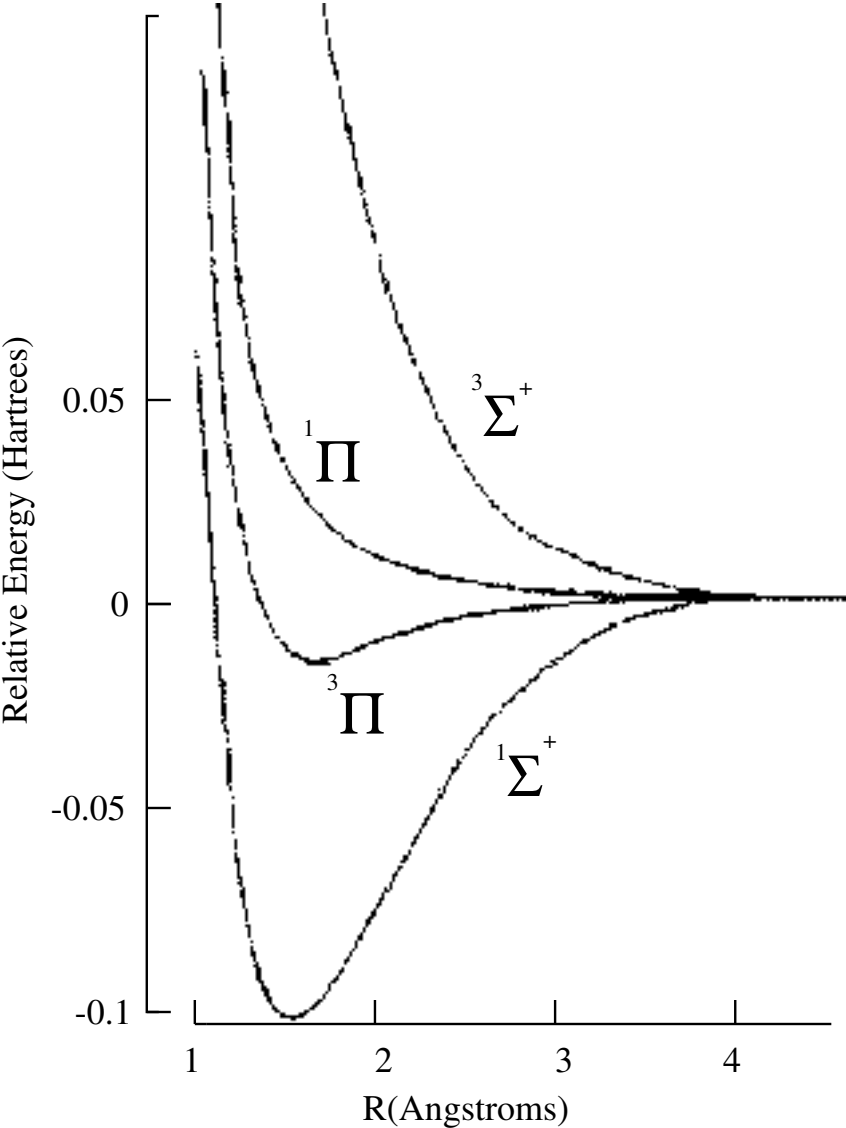

Relative Energy (Hartrees)
0.05
0
-0.05
-0.1
1
2
3
4
R(Angstroms)
$^3\Sigma^+$
$^1\Pi$
$^3\Pi$
$^1\Sigma^+$