

Energy

Interparticle spacing (R)

$^1S_0 + n's\ ^3S_1$

$R_{n'}^{\nu=0}$ $|\chi_{n'}^{\nu=0}\rangle$

$^1S_0 + ns\ ^3S_1$

$R_n^{\nu=0}$ $|\chi_n^{\nu=0}\rangle$

$^1S_0 + ^1S_0$

$|\chi_0^E\rangle$

