

Free ion

${}^1E_g$

Energy

${}^1G_g$

${}^3P_g$

${}^1D_g$

${}^3F_g$

0

${}^1T_{1g}$

${}^3A_{2g}$

${}^1T_{2g}$

${}^1A_{1g}$

${}^3T_{1g}$

${}^3T_{2g}$

${}^1E_g$

${}^1T_{2g}$

${}^3T_{1g}$

Splitting parameter,  $\Delta_o$

