\[ 3p^4 ns \quad 3p^4 np \quad 3p^4 nd \]

Energy (eV) relative to Ar\(^+\) g.s.

- \(^3P\) Ar\(^{++}\) core, \(3p^4 nl\)
- \(^1D\) ion core, \(3p^4 nl'\)
- \(^1S\) ion core, \(3p^4 nl''\)

\[ 3p^5 = \]

Energy (eV) relative to Ar\(^0\) g.s.