
300	N₂Ne	Dinitrogen – neon (1/1)	G₄
MW, <i>ab initio</i>		(weakly bound complex)	(effective symmetry class)
calculations			(large-amplitude motion)
			N ₂ · Ne

Microwave spectra of all four isotopomers are reproduced to 0.07% by a single-parameter scaling of an *ab initio* (aug-cc-pVQZ basis set) potential energy surface. The binding energy D_e and the equilibrium R_{cm} distance are 4.14 meV, 3.98 Å and 5.76 meV, 3.40 Å at the polar angles of 0° ($C_{\infty v}$) and 90° (C_{2v}), respectively.

Jäger, W., Xu, Y., Armstrong, G., Gerry, M.C.L., Naumkin, F.Y., Wang, F., McCourt, F.R.W.: J. Chem. Phys. **109** (1998) 5420.