

# Orgel diagrams

Orgel diagrams are correlation diagrams which show the relative energies of electronic terms in transition metal complexes. Orgel diagrams are restricted to **weak ligand fields** (i.e. high spin complexes), because Orgel diagrams are qualitative, no energy calculation can be performed from these diagrams. Orgel diagrams only show the **symmetry states** of the highest spin multiplicity.

There are only two Orgel diagrams

- ① For  $d^1, d^4, d^6$  and  $d^9$  configurations.
- ② For  $d^2, d^3, d^7$ , and  $d^8$  configurations.

