



















(post-)Hartree-Fock methods

The HF method as such is not very accurate for solids, and is therefore not really used. But it forms the starting point for **post-Hartree-Fock methods** that are routinely used:

- coupled cluster theory (CCSD(T))
- Møller-Plesset perturbation theory (MP2)
- configuration interaction (CI)
- CASSCF
- MRCI
- ..
- ightharpoonup typical topics in a quantum chemistry course.