

Hierarchy configuration interaction (hCI)

Excitation degree e

Seniority number s

$$\text{Hierarchy parameter } h = \frac{e+s/2}{2}$$

e/s	0	2	4	6
0	HF			
1		hCl1		
2		hCl1.5	hCl2	
3			hCl2.5	hCl3
4				
5				
6				

Dissociation of \mathcal{F}_2

