

## El-Sayed rules

The rate of *intersystem crossing* is relatively large if the *radiationless transition* involves a change of orbital type.

Note: A typical case is the transition from the lowest *singlet state* to the *triplet manifold*, e.g.,  $^1\pi, \pi^* \rightarrow ^3n, \pi^*$  is faster than  $^1\pi, \pi^* \rightarrow ^3\pi, \pi^*$  and  $^1n, \pi^* \rightarrow ^3\pi, \pi^*$  is faster than  $^1n, \pi^* \rightarrow ^3n, \pi^*$ .

2007, 79, 331