

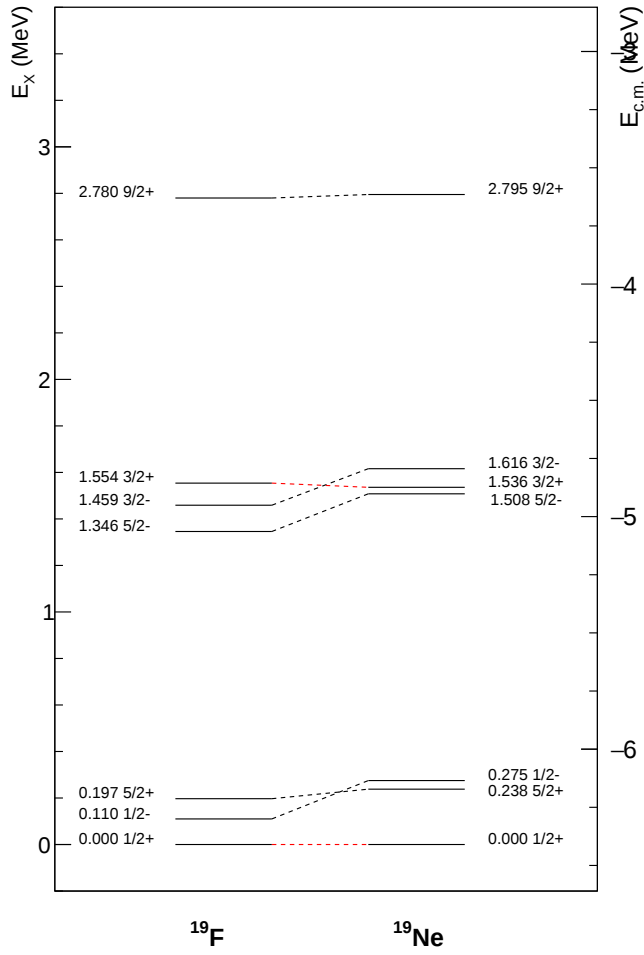


FIG. 1. Level scheme of ^{19}Ne nucleus up to $E_x = 3.6$ MeV and comparison with its mirror nucleus ^{19}F . Mirror pairs are linked with dashed lines. Red colour indicates mirror connection for $\ell = 0$ states.

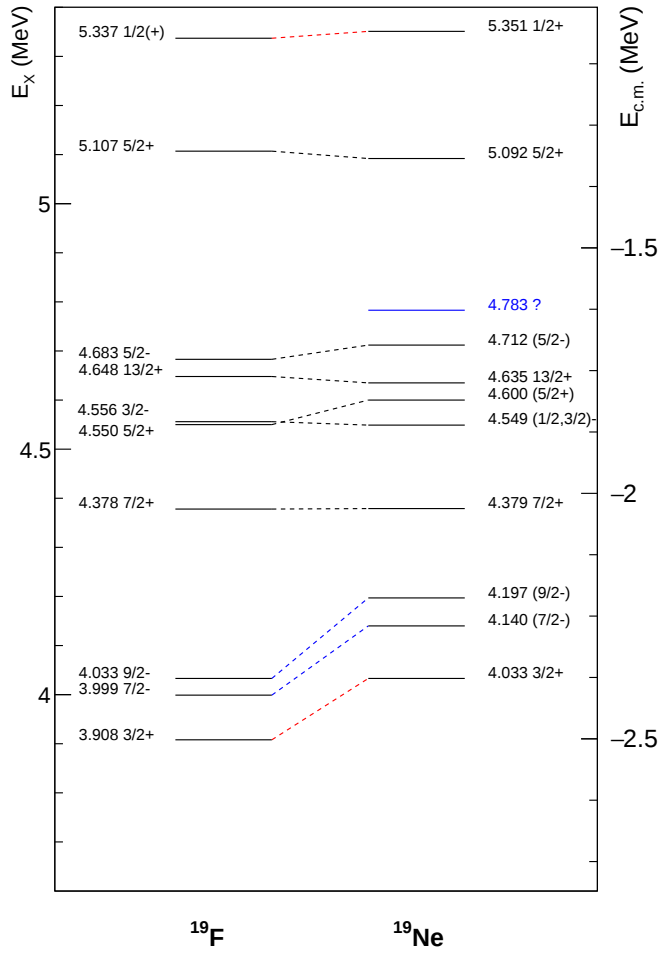


FIG. 2. Same as Fig. 1 for $3.6 \text{ MeV} < E_x < 5.4 \text{ MeV}$. Information in blue is discussed in Sec. IA 1.