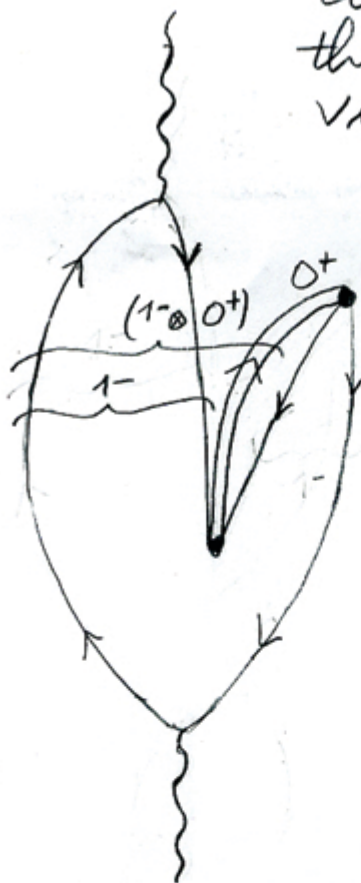


Even de 1^- of ${}^9\text{Li}$ feels the neutron field of the halo pair addition mode corresponding to ${}^{11}\text{Li}$. It is then likely that $1^-({}^9\text{Li})$ has a virtual pigmy tail

Tail of 1^- of ${}^9\text{Li}$ must contain virtual pigmy resonance ${}^{11}\text{Li}$



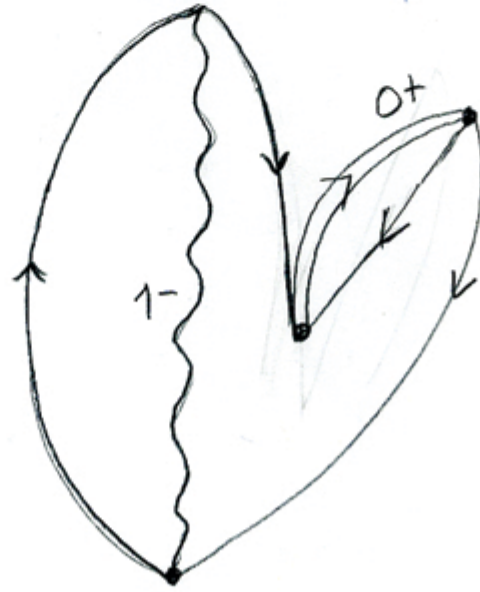
${}^9\text{Li} (1^-)$
 ${}^9\text{Li}$

$$1^- \frac{x}{\sqrt{0^+ + 1^+}}$$

$$\frac{0^+ \downarrow}{\sqrt{0^+ 0^+}} \begin{array}{|c|} \hline 3 \\ \hline 4 \\ \hline \end{array}$$

$$\frac{\uparrow \uparrow 0^+}{\sqrt{0^+ 0^+}} \begin{array}{|c|} \hline 3 \\ \hline 8 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 3 \\ \hline 6 \\ \hline \end{array}$$



${}^9\text{Li}$ ZPF