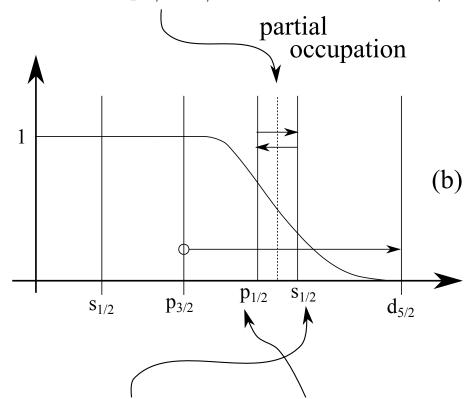


⁹Li (t,p) ¹¹Li (l⁻) eventually γ -coincidence

$$|0\rangle_{\nu} = |0\rangle + 0.7|(p_{1/2}, s_{1/2})_{1^{-}} \otimes 1^{-}; 0\rangle + 0.1|(s_{1/2}, d_{5/2})_{2^{+}} \otimes 2^{+}; 0\rangle$$



$$|0\rangle = 0.45|s_{1/2}^2(0)\rangle + 0.55|p_{1/2}^2(0)\rangle + 0.04|d_{5/2}^2(0)\rangle$$

$$|1^-, \text{pigmy}\rangle = \alpha \Gamma_{\text{pigmy}}^+|\text{halo}\rangle + \beta \Gamma_{\text{GDR}}^+|\text{core}\rangle$$

$p_{3/2}^{-1}6d_{5/2} \mid 1p$	$p_{3/2}^{-1}7d_{5/2}$
0.201	0.157
0.173	0.138
	0.201

8% EWSR

 $E_{1^-} \approx 0.7 \text{ MeV}$

 $\alpha^2 \gg \beta^2$