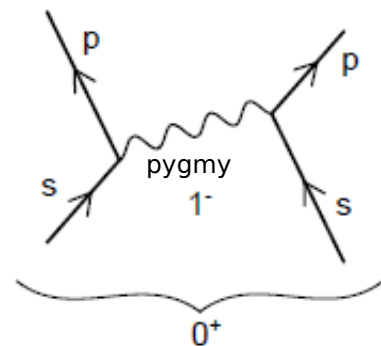
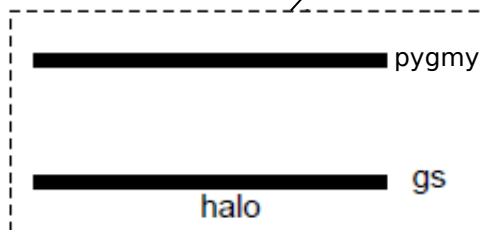


$r \ll 1$   
 bare NN-pairing  
 screened  
 subcritical ( $rv_{nn} < G_c$ )

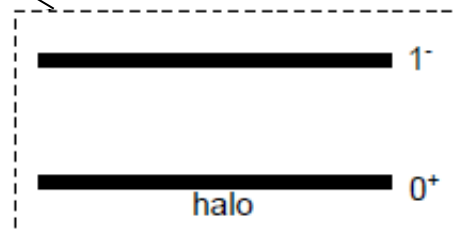
$$r \approx O \approx \left(\frac{R_0}{R}\right)^3$$



$Q \ll 1$   
 strongly screened  
 symmetry energy  
 soft  $E1$ -mode  
 (pygmy  $1^-$ )



$^{11}_3\text{Li}_8$



$^{12}_4\text{Be}_8$

pair addition  
 halo mode