

neutron pair halo

- particle-vibration coupling vertex



⊙ particle-pair vibration
coupling vertex

 v_{np} proton-neutron int.

recoil mode

$$\left. \begin{array}{l} \uparrow \text{ neutron} \\ \uparrow \text{ proton} \end{array} \right\} \text{ bound}$$
$$2^+ \text{ } ^9\text{Li core quadr. vibr. mode}$$
 ${}^1_2\text{Li}$ giant dipole pygmy resonance mode

\square particle-recoil mode
coupling vertex (PRCV)

	deuteron
	continuum
	proton
	continuum
...	monopole
	interaction