



- $\uparrow\uparrow$  neutron pair halo
- $\circ$  particle-vibration coupling vertex
- $\odot$  particle-pair vibration coupling vertex
- $v_{np}$  proton-neutron int.
- $\sim$  recoil mode
- $\uparrow$  neutron
- $\blacktriangle$  proton
- $2^+ \sim$   $^9\text{Li}$  core quadr. vibr. mode
- $1^- \sim$   $^{11}\text{Li}$  pygmy dipole resonance mode
- $\square$  particle-recoil coupling vertex (PRCV)
- $\uparrow\blacktriangle$  deuteron continuum
- $\uparrow$  proton continuum
- $\dots$  continuum monopole interaction