



h neutron pair halo

- particle-vibration coupling vertex
- \odot particle-pair vibration coupling vertex v_{np} proton-neutron int.

- h neutron
 ↓ proton
 } bound
- ²⁺ ⁹Li core quadr. vibr. mode ¹⁻ ¹¹Li pygmy dipole resonance mode
- particle-recoil coupling vertex (PRCV)
- deuteron
 continuum
 proton
 continuum
- protoncontinuumpairinginteraction