

Discussion theme : Nuclear structure at and beyond the neutron drip-line

1. What is the role of excess neutrons on impacting cluster formation near the drip line?

Could we make a connection of cluster structure and shell structure at the drip-lines?

2. How does weakly bound or unbound nature of nuclear states impact shell structure and the limits of nuclear binding ?

3. What is the relation of p -wave halos and deformation?

4. What experimental results for halos and nuclei around the drip-lines remain unexplained theoretically ? What approach can be taken to address them.