

Discussion Questions

1. Nuclear structure from direct transfer reactions?
2. Open & Continuum many-body systems
3. Electron scattering from exotic nuclei
4. Quantum phase transitions in nuclei?

Direct Transfer Reactions

What do we really learn about nuclear structure from direct transfer reactions?

1. Is SF an observable?
2. Can SF extracted from DWBA type of model be related to the Shell-Model SF?
3. Can SF tell us something about structure?
4. How does the short-term interactions neglected in Shell Model affect the comparisons to SF?
5. Can SF tell us about Shell Model interactions
6. Are the SF from transfer reactions the same SF obtained from knockout?
7. Are SF from transfer reactions related to ANC?

Open & Continuum Systems

- What are structural signatures of the continuum coupling?
- Generic features of open many-body systems?

Electron scattering from exotic nuclei

- What can we learn from electron scattering about halo structure?
- Is electron scattering from rare isotopes reality or dream?

Quantum phase transitions in nuclei?

- What are signatures of quantum phase transitions in nuclei?