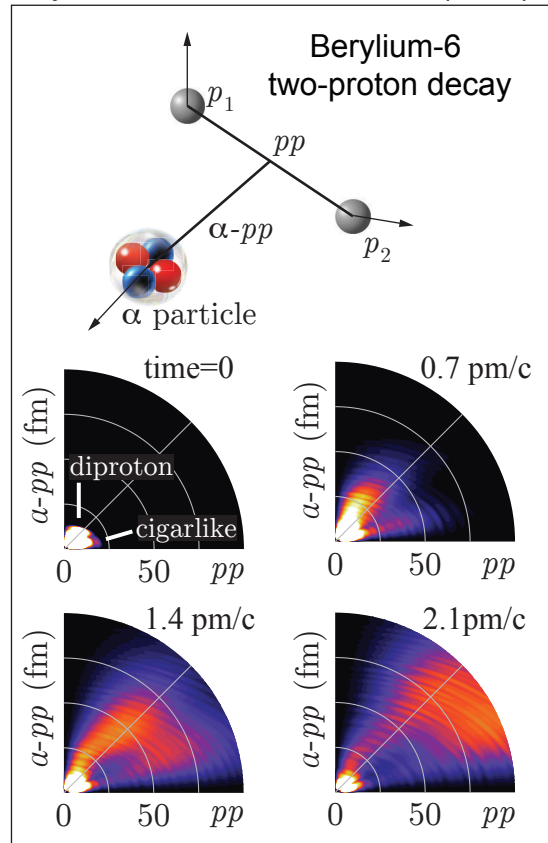


Many areas will be covered in this WG's talks...

Open quantum systems in RHS

Increased focus on unbound nuclear states;
discovery experiments

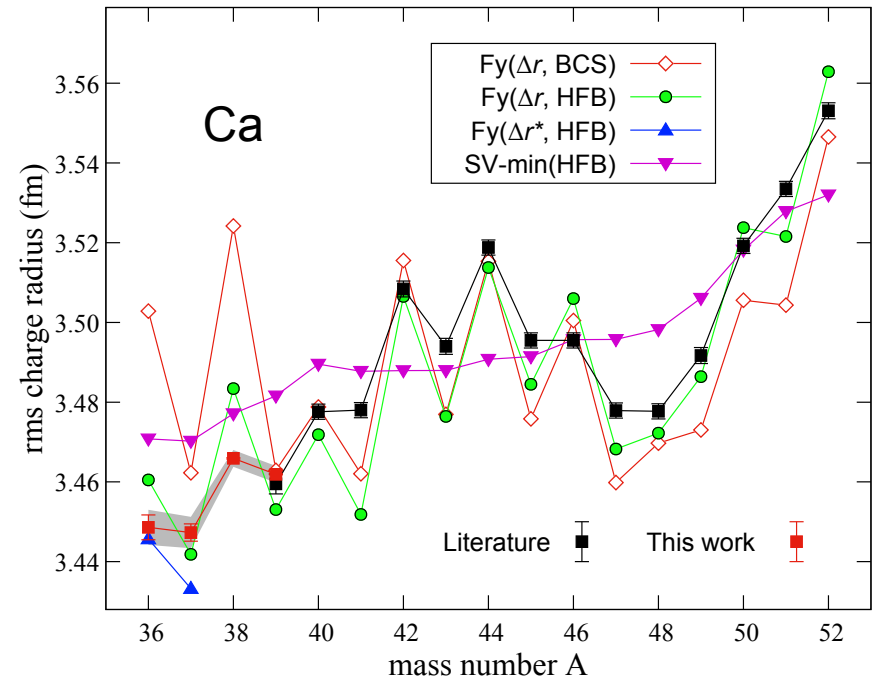
Phys. Rev. Lett. 126, 142501 (2021)



A time-dependent OQS framework to describe two-nucleon radioactivity at very large distances from the decaying source.

Complex nuclei

Nature Physics 15, 432 (2019)



Development of quality energy density functionals for nuclear DFT. Surveys of global nuclear properties. Bridging into ab-initio approaches in medium-mass nuclei.

Some thoughts on the low-energy nuclear theory ask

Protect the base program (Formulate the message without whining!)

- The core program has been kept flat-flat over the years
- No increase in funding (buying power reduced: inflation, increased salaries)
- Two-year research grants do not allow for strategic planning and increase burden on applicants and reviewers
- Summer salaries are being gradually eliminated

FRIB Theory Alliance a success story that must continue

- FRIB-TA bridge faculty need new funding...
- Similar initiatives by other communities on the horizon. Our strategy?

Increased agencies' focus on collaborative grants. Larger fraction of theory community can be engaged

- Many applications, but few awards. Award decisions postponed
- Limited funding per PI
- Grant chasing at the cost of productivity

Interdisciplinary collaborative grants indispensable

- SciDAC DOE (physics + computer science + applied math)
- Cyberinfrastructure frameworks NSF (physics + applied math + statistics)

INT has greatly benefited theory community at large; must be protected