

FRIB Radioactive Decay Station working group

World class decay station with **unique capability** to perform **complete** and **simultaneous** spectroscopy measurements on multiple isotopes.

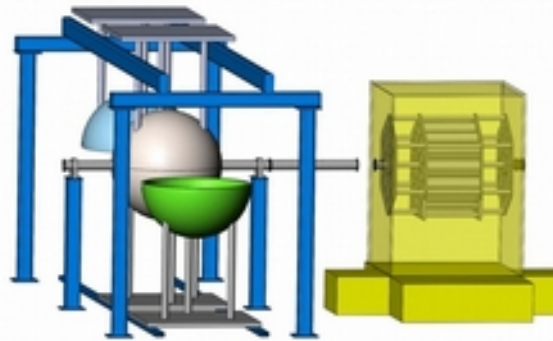
The science themes

- Emergence of new patterns in nuclei
- The cosmic origins of nuclei
- Applications and fundamental interactions

Cost range (M\$ FY18) 16-24 (2π or 4π)

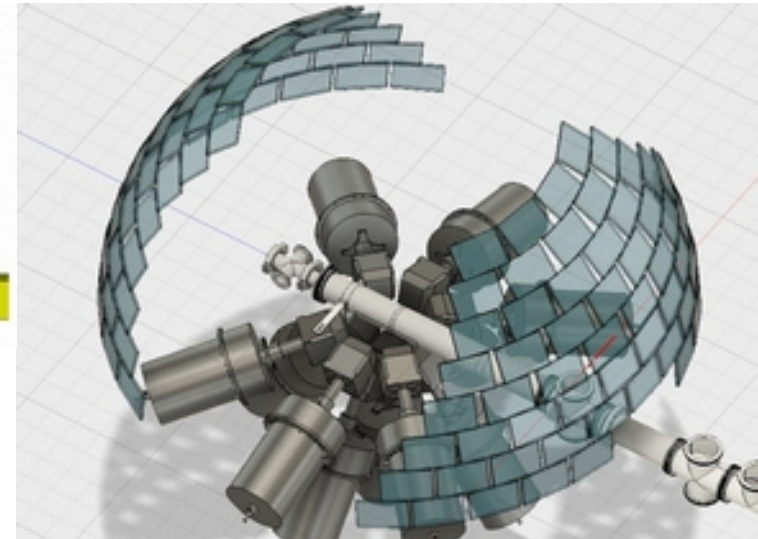
Implantation stack/Clover array/Neutron arrays/Total absorption spectrometer

Hybrid detector systems with **flexible** configurations will enable measurements with multiple arrays in the same experimental campaign.



Staging

- FRIB- Advance (2020-2022)
- FRIB-Explorer (2022-2024)
- FRIB Precision (2024-2026).



Talks:

1. R. Grzywacz - updates and White Paper status
2. S. Marley - Report on Workshop on Stopped-Beam Experiments
3. M. Allmond - Clover detector array optimization
4. B. Rasco - Status of MTAS/3Hen detector developments
5. A. Estrade - Experiments and experiences with AIDA/WAS3ABi/YSO at RIBF RIKEN