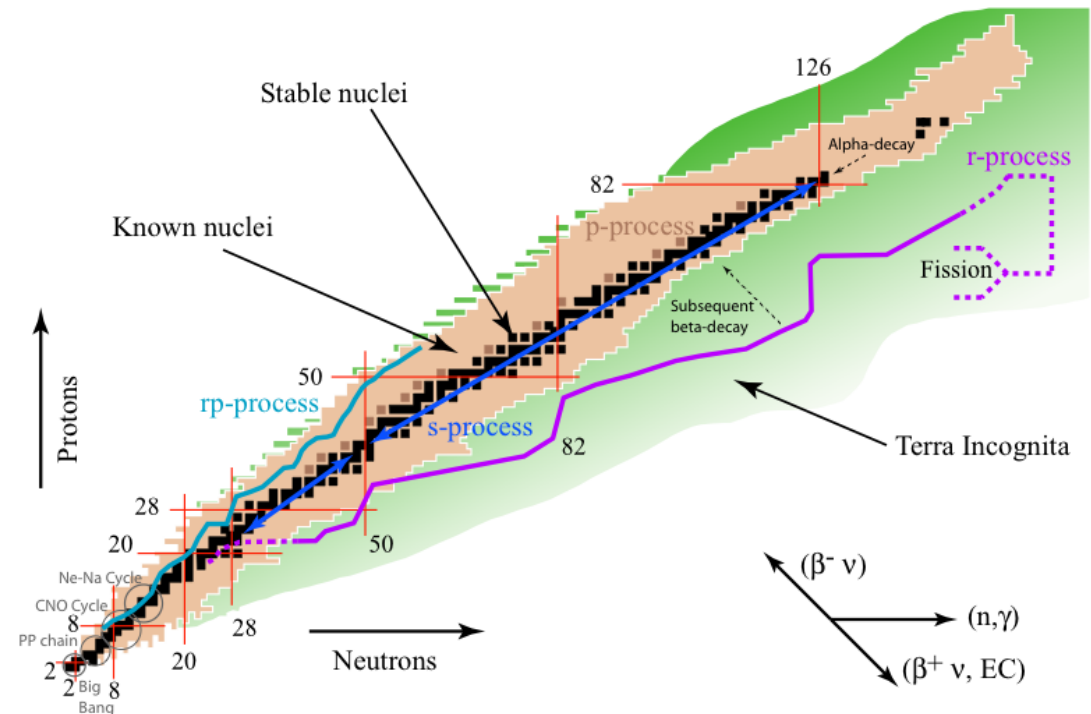
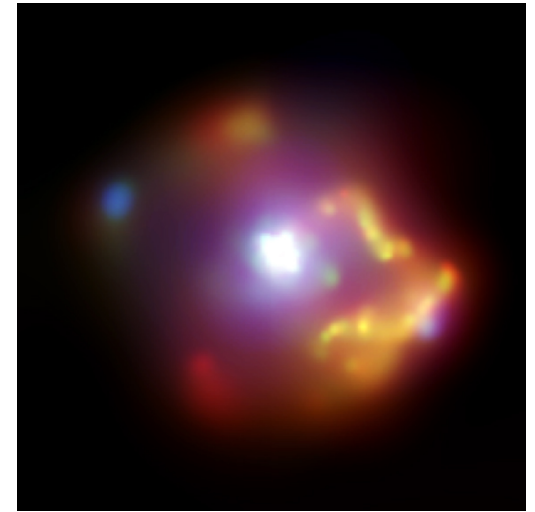
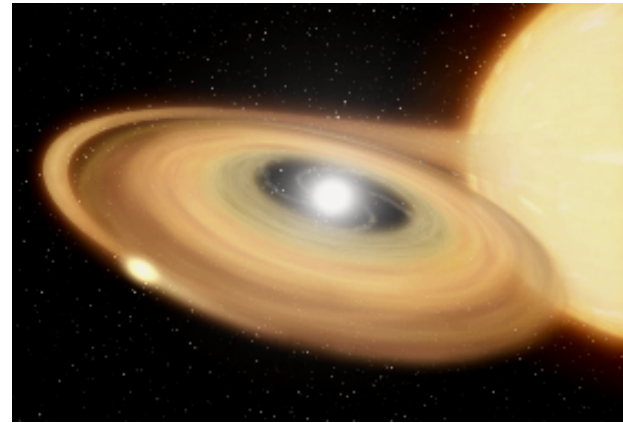


Stellar Explosions & Stellar Evolution

experimental and
theoretical efforts
needed

Related Structure & Reactions of Unstable Nuclei

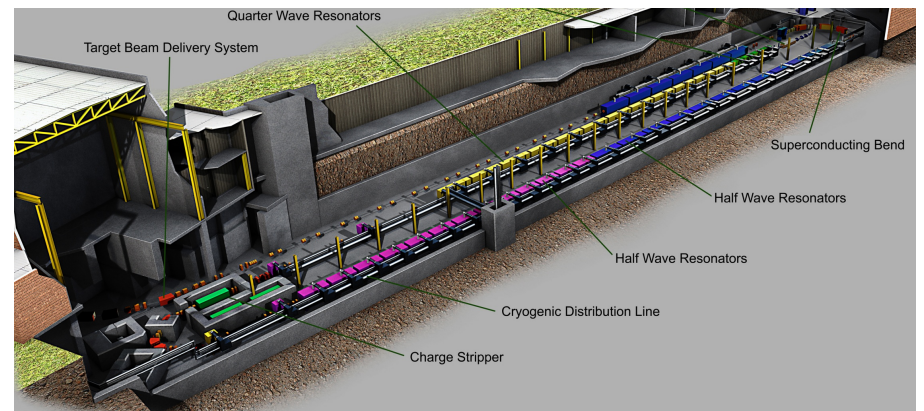
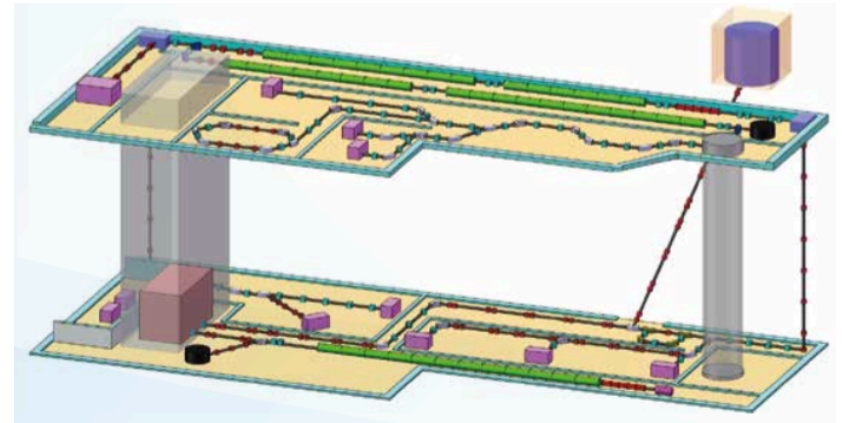


Nuclear Astrophysics Working Group - Opportunities

Beijing ISOL: reactor/linac driver to generate high-intensities of very n-rich nuclei for r-process studies

HIRFL/HIAF: charge-exchange reactions, high resolution spectrometer, active targets, astrophysical simulation capabilities, nuclear data for astrophysics

NSCL/ReA3/FRIB: participation in planned experiments, proposing new experiments



Nuclear Astrophysics Working Group - Recommendations

- Recommendation 1: In order to facilitate collaborative research projects in the physics of unstable nuclei, we suggest the establishment of a **FRIB-CSC program for Scholars** to embed Chinese Scientists and Faculty in research groups in the U.S. This program would mirror the FRIB-CSC Fellow program but be **targeted at established researchers in China** rather than at senior graduate students and new postdocs.
- Recommendation 2: In order to **improve communication** between US and China research efforts in the physics of unstable nuclei, we suggest the creation of an **additional set of web pages** within the **us-china-rib.org** website that lists the **capabilities, plans, manpower and resource requests, and contact information of research groups** in both the US and China.