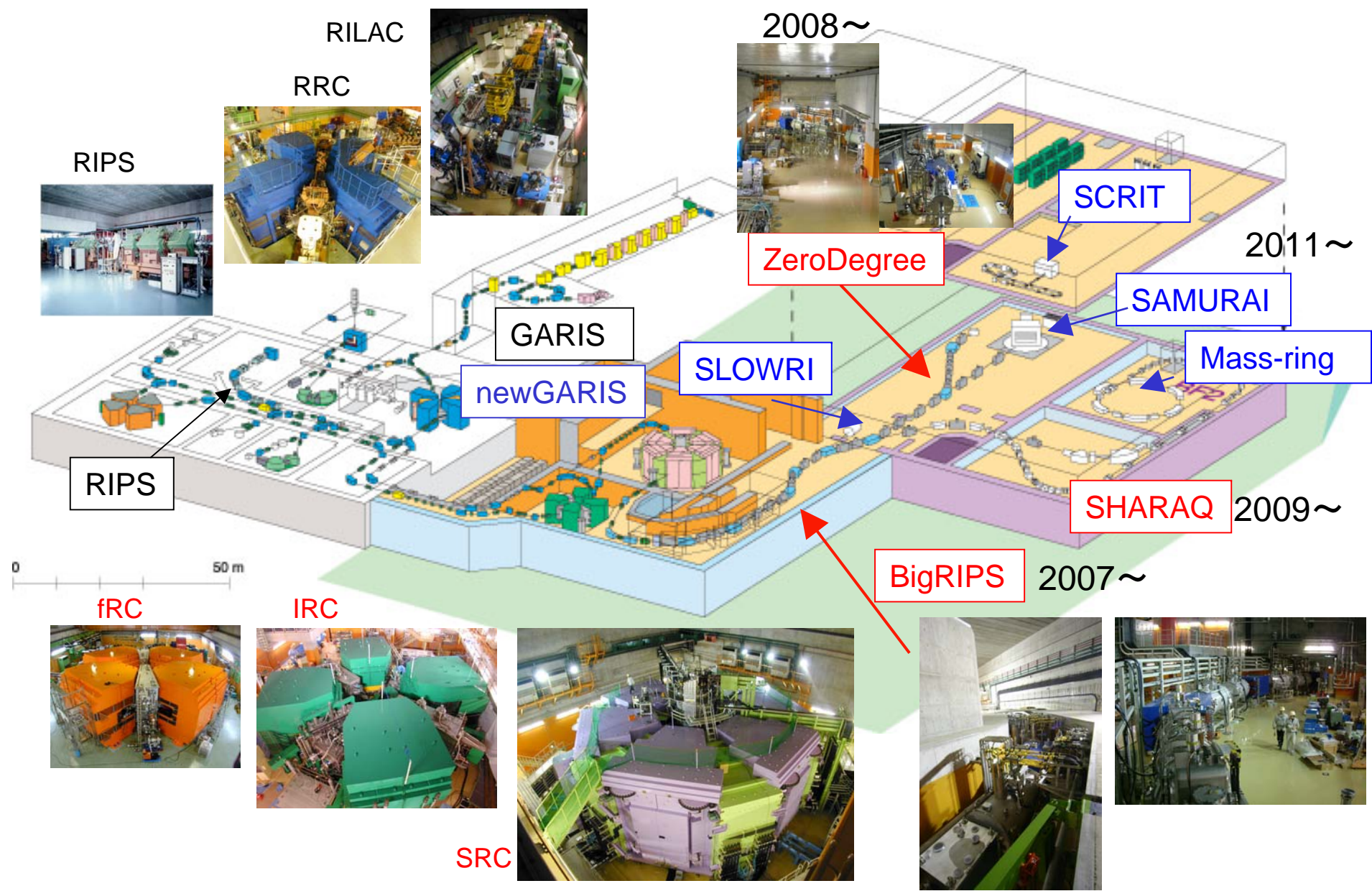


RIBF Detector Workshop 08

Objectives

1. Information sharing
Application for each project
2. Succession of know-how
3. Introduction for students

Layout of RIKEN RI beam factory (RIBF)



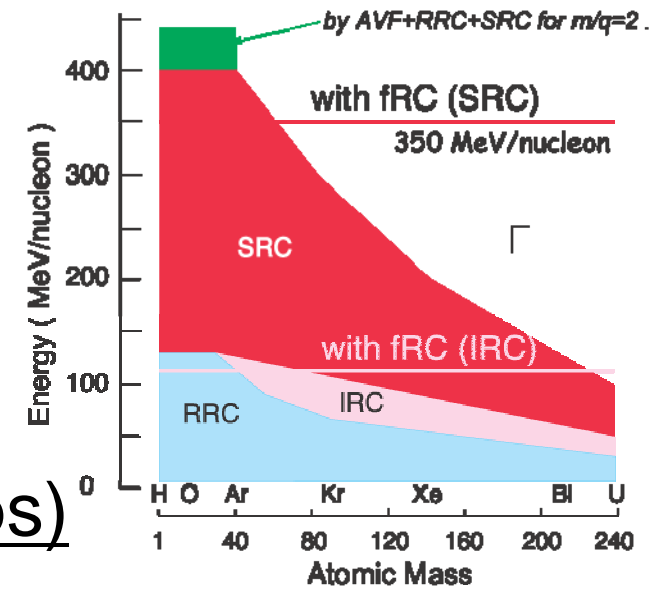
Goal performance of RIBF

Light ions to U ions

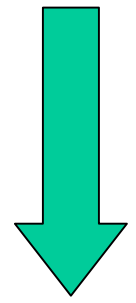
Energy: 345 MeV/A up to U ions

400 MeV/A for light ions

Intensity: 1 pμA up to U (6 × 10¹² pps)

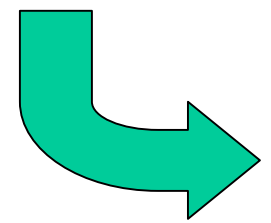


BigRIPS

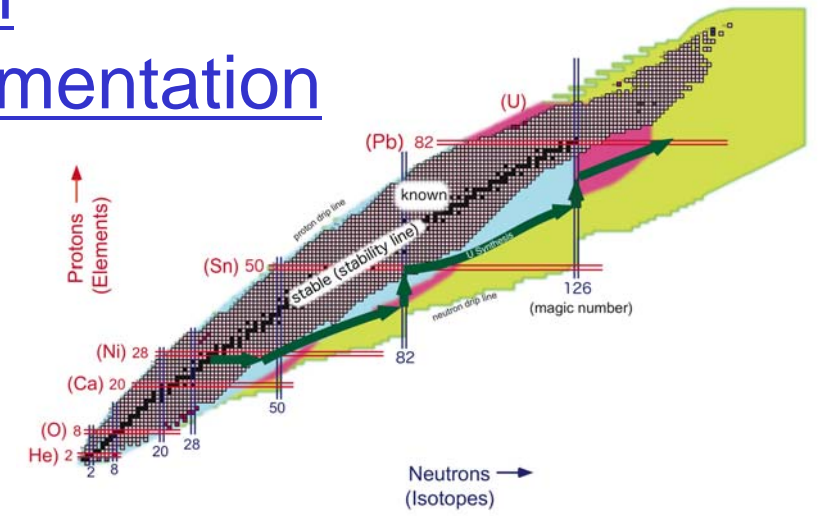


In-flight fission
Projectile fragmentation

RI beam
Intensity ~ 1 MHz



Experiment equipments
Particle detectors
γ detectors and etc.



Detector development at RIBF

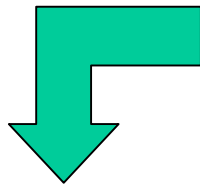
Beam condition

- 1) Heavy Ion(Large Z)
- 2) High Energy ($\Delta E/\text{Total } E$)
- 3) High rate

Detector requirement

- 1) Resolution
- 2) Active area Size
- 3) Readout(number of channel)

- Budget is limited.
- Manpower is not enough.



1. Information sharing
2. Saving time
3. Training younger generation



1. Information sharing
2. Succession of know-how
3. Introduction for students

Program

3/17 Experimental Requirements
10:00-17:50 RIBF Standard Detector --- Overview
 Position Detector

 Party 18:00 ~

3/18 Si Detectors
9:30-17:00 Future Detector

 Open Discussion