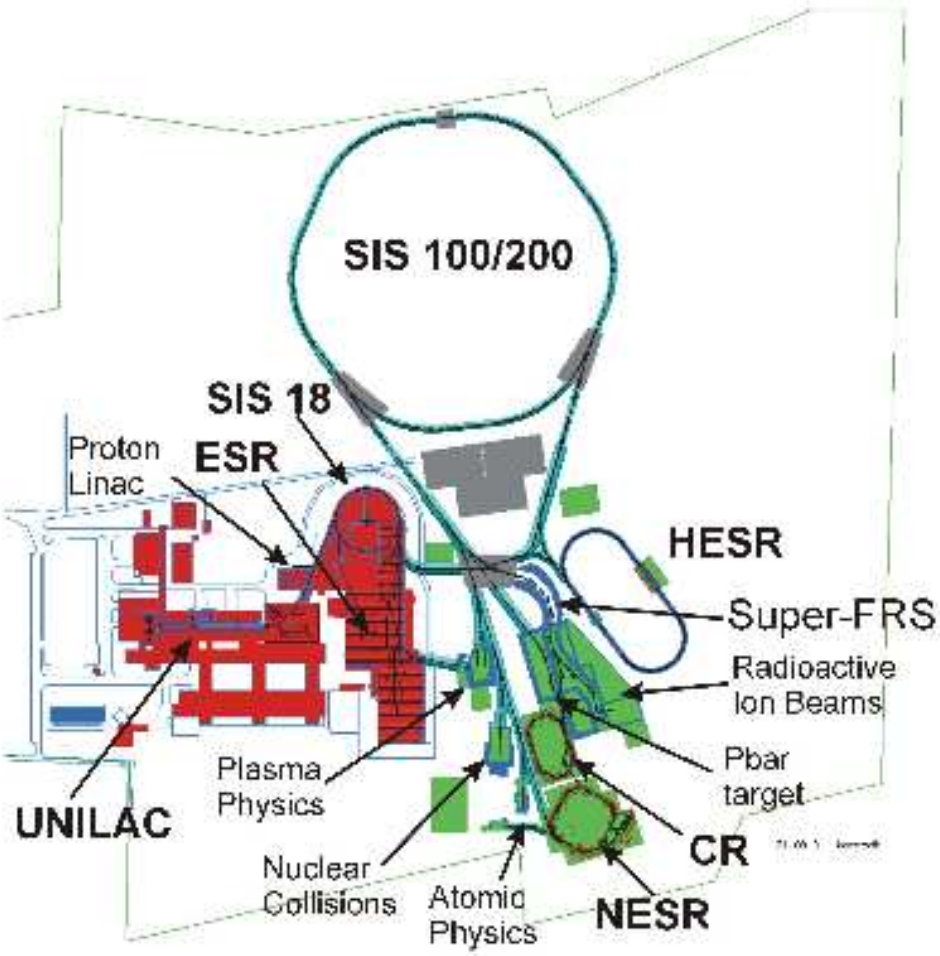
GSI Facility



- *Many* simultaneous capabilities.
- Looked at picking up π/K from $\bar{p}$ targt.
- 29-GeV proton beam: 2.5×10^{13} p/pulse.
- 50-ns pulse.
- One pulse per 5 seconds. DF $= 10^{-8}$
- Would need additional stretcher ring.

JParc Facility

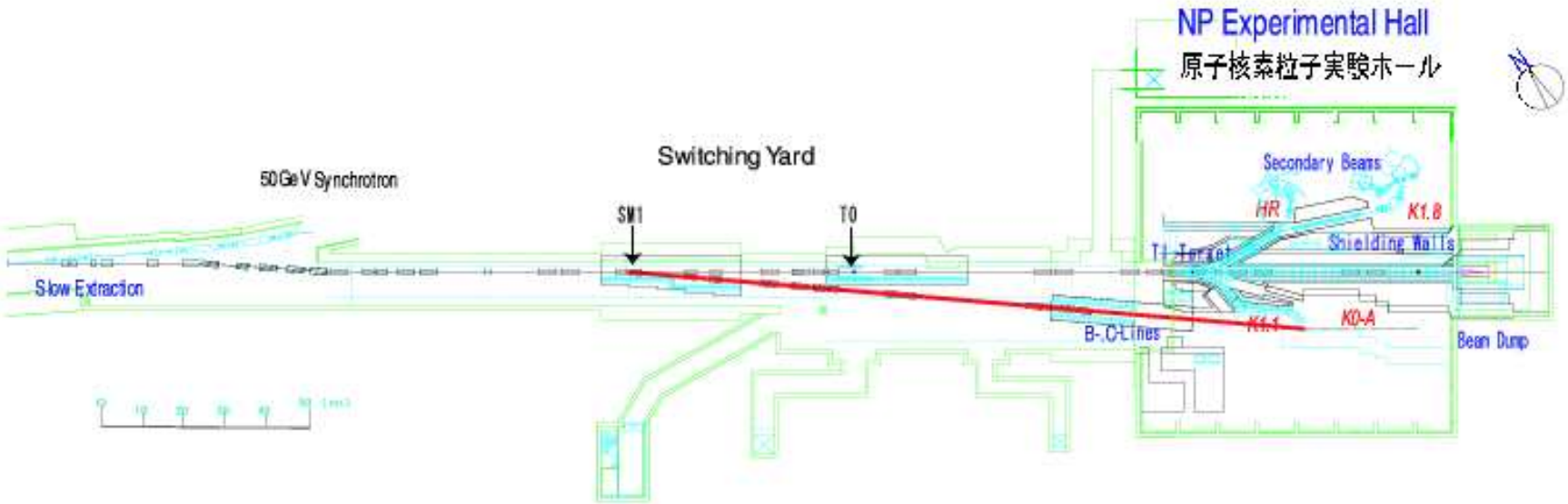


Figure 1: Multipurpose High-Momentum Beam Line (red line).

Features of General Detector at JParc

General Needs

- Large acceptance: $\sim 4\pi$
- General purpose
- Magnetic spectrometer
- Good rate capabilities
- Flexible triggering

Some Specific Features

- Tracking with wire chambers
- Electromagnetic calorimetry
- Particle ID via TOF and RICH detectors
- Muon detectors
- Possible silicon tracker near target
- Possible hadron calorimetry (e.g., neutrons)