

Pooling of equipment

This page contains information about equipment which can be used for research collaborations as proposed by the MIDAS-NA.

LPSC

- Water cooled Allison type emittance scanner
- 3 ion source benches

UCLM

- Langmuir probes
- Fast camera
- Wien filter
- Ion spectrometer

ATOMKI

- 14 GHz ECRIS, table plasma generator
- TWTA 8-12 GHz, 40 W
- HP sweep oscillator 2-20 GHz
- SDD and HpGe detectors
- CCD and X-ray cameras

JYFL

- 6.4 GHz ECRIS, 14 GHz ECRIS, 18 GHz ECRIS
- Visible light spectrometers (2 nm and 30 pm resolutions)
- UV/VUV spectrometers
- diagnostics for plasma: Si and Ge detectors, PMT, BGO, diodes
- 2 TWTAs, 2 signal generators

GSI

- Versatile test bench EIS (ECR Injector Setup) with CAPRICE ECRIS, LEPT, various diagnostics
- Klystron HPA 2000 W (14.5 GHz)
- Traveling Wave Tube CPI 750 W power amplifier (8-18 GHz)
- Microwave signal generators (up to 31 GHz, 15 gBm)
- Arbitrary Waveform generator
- Various viewing targets
- Analyzers (Spectrum, VNA, Frequency Counter)
- Power meter including various CW/pulsed power probes
- Various coaxial and rectangular waveguide components

GANIL

Ion Sources :

- ECR4 & ECR4M @ 14 GHz
- GTS @ 14 GHz
- PHOENIX-V2 Booster @ 10 GHz
- FEBIAD 1+