

## List of the available apparatuses

As of Apr 02, 2021

| Type              | Item                             | Memo                                                                                    | Technical support | Place for use       |
|-------------------|----------------------------------|-----------------------------------------------------------------------------------------|-------------------|---------------------|
| Target            | Solid hydrogen target system     |                                                                                         | ✓                 | Any                 |
| Gamma Detector    | Tracking Ge detector module      |                                                                                         | ✓                 | Any                 |
| Gamma Detector    | Coaxial Ge detector              |                                                                                         | ✓                 | Any                 |
| Particle Detector | LAS 2nd FPP                      |                                                                                         | ✓                 | RCNP West Exp. Hall |
| Particle Detector | Time projection chamber          | usable with the following<br>superconducting magnet,<br>including front-end electronics | ✓                 | Any                 |
| Others            | Superconducting magnet           | 600 mmφ, 1000 mmL, 2 T                                                                  | ✓                 | Any                 |
| Ion source        | Duoplasmatron                    | NEC 2JA022264                                                                           | ✓                 | Any                 |
| Beam monitor      | Pepper pot emittance monitor     | for low energy ion beams                                                                | ✓                 | Any                 |
| Beam monitor      | Rapid emittance monitor          | for low energy ion beams                                                                | ✓                 | Any                 |
| Target            | Isotope targets                  |                                                                                         |                   | Any                 |
| Target            | Cryogenic He target system       |                                                                                         |                   | Any                 |
| Target            | Ice target system                |                                                                                         |                   | Any                 |
| Target            | Gas target system                |                                                                                         |                   | Any                 |
| Particle Detector | LAS-FPP MWDC                     |                                                                                         |                   | RCNP West Exp. Hall |
| Particle Detector | Liquid scintillation detectors   |                                                                                         |                   | Any                 |
| Particle Detector | Plastic scintillation detectors  |                                                                                         |                   | Any                 |
| Particle Detector | Drift chamber                    | 6-layered: XX'UU'VV'                                                                    |                   | Any                 |
| Others            | Solid-state UV mode-locked laser | 355 nm, 8 W                                                                             |                   | Any                 |
| Others            | μSR spectrometer                 | 600 gauss, ΔB/B ~ 10 <sup>-3</sup>                                                      |                   | RCNP West Exp. Hall |
| Others            | Microstat <sup>TM</sup> cryostat | liq. He cooled, 4 K                                                                     |                   | RCNP West Exp. Hall |