

Research Facility Development Division  
Accelerator Group  
Cryogenic Technology Team

### 1. Abstract

We are operating the cryogenic system for the superconducting ring cyclotron in RIBF. We are operating the helium cryogenic system in the south area of RIKEN Wako campus and delivering the liquid helium to users in RIKEN. We are trying to collect efficiently gas helium after usage of liquid helium.

### 2. Major Research Subjects

- (1) Operation of the cryogenic system for the superconducting ring cyclotron in RIBF
- (2) Operation of the helium cryogenic plant in the south area of Wako campus and delivering the liquid helium to users in Wako campus

### 3. Summary of Research Activity

- (1) Operation of the cryogenic system for the superconducting ring cyclotron in RIBF (H. Okuno, T. Dantsuka, M. Nakamura)
- (2) Operation of the helium cryogenic plant in the south area of Wako campus and delivering the liquid helium to users in Wako campus (T. Dantsuka, S. Tsuruma, M. Kuroiwa, M. Takahashi, H. Okuno).

## Members

#### Team Leader

Hiroki OKUNO

#### Senior Technical Scientist

Masato NAKAMURA

#### Technical Scientist

Tomoyuki DANTSUKA

#### Research Part-time Worker

Mamoru TAKAHASHI

#### Administrative Part-time Workers

Shizuho TSURUMA

Mayumi KUROIWA

## List of Publication & Presentation

### Outreach Activity

段塚知志, 「実験を止めない! 理研のヘリウムリサイクル」, クローズアップ科学道 2022, 2022年10月17日, [https://www.riken.jp/pr/closeup/2022/20221017\\_1/index.html](https://www.riken.jp/pr/closeup/2022/20221017_1/index.html).