



## 11.5.1 Procedure for Running the BRAHMS Magnet Power Supplies

### 1. Purpose

- 1.1 The purpose of this procedure is to outline the methodology for the BRAHMS experiment to power their magnets-power supplies.

### 2. Responsibilities

- 2.1 BRAHMS experimenters who have been trained in this procedure are responsible to coordinate this procedure.

### 3. Prerequisites

- 3.1 The Collider-Accelerator Support (CAS) Watch (x 2024, Page 4205) shall release the "Kirk" keys for the power supply that is to be run.
- 3.2 The area around the magnet to be run must be clear of magnetic material or other debris.
- 3.3 Magnet cooling water must be on.
- 3.4 Magnet buss covers must be on.
- 3.5 While the magnets are on, there must be a qualified person in attendance. Qualified personnel are those trained in this procedure and appear in [C-A-OPM-ATT 11.5.1.a, "Trained Personnel List"](#).
- 3.6 The magnet enable key must be on (in Counting House).

### 4. Precautions

None

### 5. Procedure

- 5.1 Request permission from BRAHMS shift leader to power magnet(s).
- 5.2 If IR can be accessed, then inspect magnet(s) for:
  - 5.2.1 Buss covers in place.
  - 5.2.2 Loose magnetic material or any debris around the magnet(s).
  - 5.2.3 Water leaks.

- 5.3 Request that release the Power Supplies Kirk Keys.
- 5.4 Notify Main Control (x 4662) that a magnet(s) will be powered.
- 5.5 Use the BRAHMS PET page to:
  - 5.5.1 Set the magnet from **OFF** to **STANDBY**.
  - 5.5.2 Set the magnet from **STANDBY** to **ON**.
  - 5.5.3 Bring magnet to desired **SETPOINT**.
- 5.5 Use the BRAHMS PET page to turn magnets off:
  - 5.5.1 Inform MCR that the magnets will be powered down.
  - 5.5.2 Bring magnet to a **SETPOINT** of **0**.
  - 5.5.3 Set the magnet from **ON** to **STANDBY**.
  - 5.5.4 Set the magnet from **STANDBY** to **OFF**.
- 5.6 If a magnet or power supply interlock trips, contact the FES Watch (x 2024, x 4662, or page 4205).

**6. Documentation**

None

**7. References**

None

**8. Attachments**

- 8.1 [C-A-OPM-ATT 11.5.1.a "Trained Personnel List"](#).