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C-A OPERATIONS PROCEDURES MANUAL

11.2.2 Procedure for Turning on the PHENIX Magnets

Text Page 2

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ *Signature on File* _____
Collider-Accelerator Department Chairman Date

Y. Makdisi, A.Franz

11.2.2 Procedure for Turning on the PHENIX Magnets

1. **Purpose**

The purpose of this procedure is to turn on and ramp the PHENIX Magnets to the desired field.

2. **Responsibilities**

The PHENIX shift leader is responsible for conducting the procedure.

3. **Prerequisites**

The PHENIX Run Coordinator shall have completed the requirements of PHENIX Procedure No. [C-A-OPM 11.2.1, "Procedure for Preparation of the PHENIX Magnets for Routine Operation."](#)

4. **Precautions**

None

5. **Procedure**

- 5.1 The PHENIX shift leader shall call the main control room to ask for approval to excite or change the settings of the PHENIX magnets. The power level should be given, namely:
 - 700 kW for full field or 175 kW for half field (CM)
 - 350 kW for full field or 85 kW for half field (MMS)
 - 230 kW for full field or 60 kW for half field (MMN)
- 5.2 The PHENIX shift leader shall then use the PHENIX magnet control page to set the ramp speed followed by the current values for the magnet power supply. Copies of the control page giving the settings for full and half field have been given to all PHENIX Magnet Operators.
- 5.3 The PHENIX shift leader shall then excite the coils.

6. **Documentation**

None

7. **References**

None

8. **Attachments**

None