

CLAS12 Møller Operations Manual - v0.0

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I. Introduction

The CLAS12 Møller system measures the longitudinal polarization of the electron beam delivered to Hall B, and this document details its operating procedures. The user interface for shift workers is shown in Fig. 1 and provides direct access to all controls and feedback that the normal operator should need, described in Section II. Expert operations are described in Section III.



FIG. 1: The user interface for shift workers for operating a Møller run.

II. Standard Procedures

The instructions for the automated procedure.

III. Expert Procedures

The instructions for the old, manual procedure.

Appendices

Description of the hardware and software involved in the CLAS12 Møller system.

- A. Quadrupoles**
- B. Helmholtz**
- C. Synchrotron Light Monitor**
- D. Target**
- E. Helicity Signal**
- F. Multi-Channel Scaler**
- G. EPICS IOCs**