

## Experiment: E11-105 (PEPPo)

Run Coordinator: Joe Grames

Reporting Period: May 23- May 30

### **Statistics**

Shifts Completed (15) / Shifts Scheduled (91): **16.5%**

Down (1.1) / Shifts Completed (15) = **7%**

- Network storm (4h)
- Viewer reconfiguration (2h)
- Video switcher failure (2h)
- HVAC pump maint (1h)

Planned Configuration (0.5) / Shifts Completed (15) = **3%**

- Access to add/remove detectors (3h)
- Access for radiological survey (1h)

Beam In Use (13.4) / Shifts Completed (15) = **90%**

### **Significant Achievements**

- Successful HCO/startup
- Setup beam energies from 2-8 MeV
- Define beam extraction and tune through PEPPo to Compton
- Optimize detector/DAQ for e- and e+ measurements
- Measure asymmetry vs. target magnetization
- Optimize collection of electrons production targets

### **Problems Pending**

- Spectrometer PS HV fault on polarity reversal

### **Upcoming Week Goals**

- Priority is demonstrating & optimizing positron collection
- Calibration of Compton polarimeter against Mott polarimeter
- Push toward start of production running