

Period : May 30 - June 6
Run Coordinator : Eric Voutier

Statistics

Shifts Completed (36) / Shifts Scheduled (91) = **39.5%**

Down (1.7) / Shifts Completed (21) = **20%**

Down (**13.5 h**) = CHL (3h), Capture cavity (4h), Configuration change (4h), Investigations (1h), Weather (1.5h)

Significant Achievements

Completion of the electron calibration of the Compton transmission polarimeter

Cross comparison of the Mott vs Compton transmission polarimeter

Start of the positron data production on 1mm tungsten target

Problems pending

Cross-talk between the magnet power supplies (in progress)

Upcoming Week Goals

Continue positron data production on 1 mm target thickness

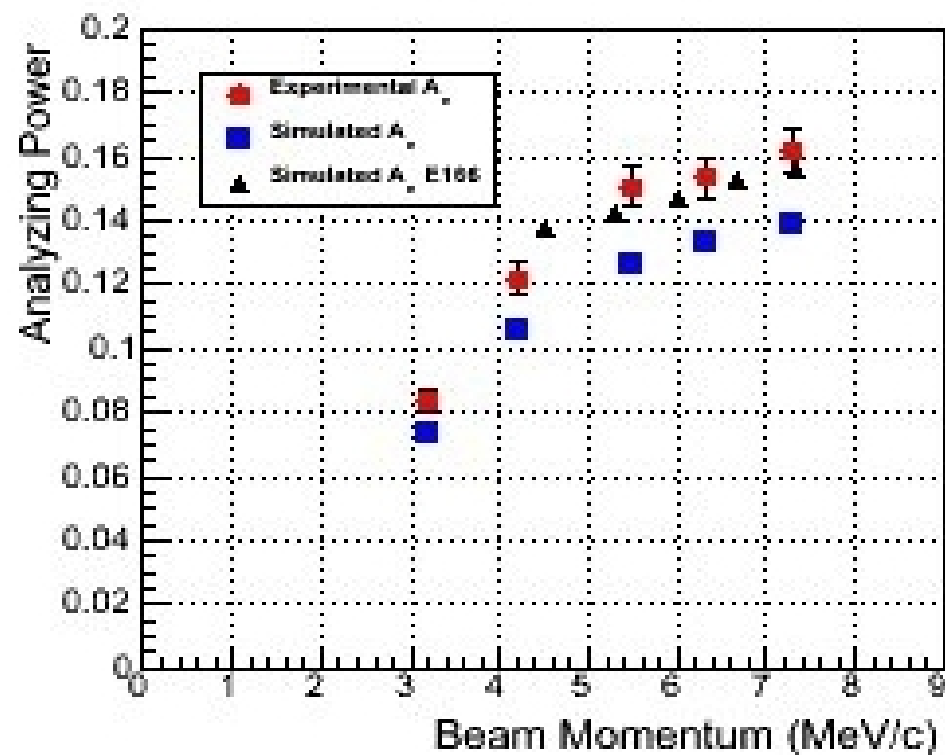
Measure positron polarization for different production target thicknesses

Systematics studies

Electron Running

On-line analysis

PMT 5 Analyzing Power vs Momentum



Helicity reversal frequency 30 Hz

Delayed reporting

Beam current 10-40 pA

Beam polarization 85%

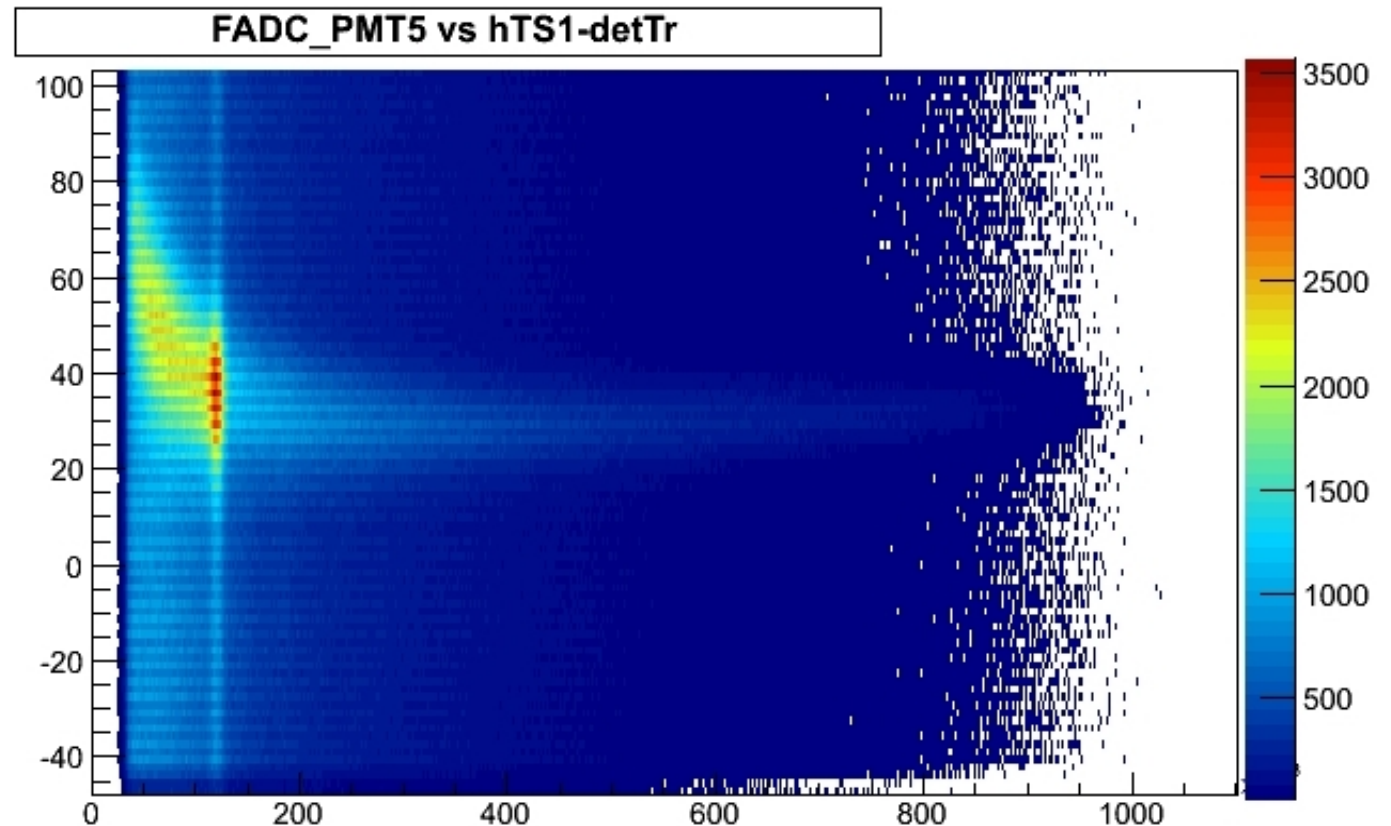
Target polarization 6.9%

Measured asymmetries

5000-9000 ppm

Positron Running

Helicity reversal frequency 30 Hz
Real time helicity
Beam momentum **8.28 MeV/c**
Beam current ~300 nA
Beam polarization 85%
Target polarization 6.9%



Data production is progressing at 3.2, 4.2, 5.5, and 6.3 MeV/c