

Hall A Run Coordinate Report
for the experiment E05-102
(June 03 – June 10)

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Wednesday (June 3, 2009)

- Take ^3He elastic calibration data
($\sim 100\text{K}$ elastic events)
- Take calibration data on reference cell
(N_2 , D_2)
- Take ^3He production data
(LHRS at 12.5° , BB at 75° , $P=2.32$ GeV)
- Minor issue:
Computer adaql1 was frozen around 8:00pm.
Reboot it and recover DAQs.

Thursday (June 4, 2009)

- Take ^3He production data till 7:00am
- Works in the Hall during beam studies:
 - PVDIS work and fix missing ADC Chs
 - Reference cell change (D_2 to H_2)
 - Compton work
- Start beam recovery around 5:30pm, then take ^3He production data

Friday (June 5, 2009)

- Take ^3He production data

Saturday (June 6, 2009)

- At 1:00pm, target polarization change
(L \longrightarrow T)
- Compton work (electron detector in)
- Take ^3He production data

Sunday (June 7, 2009)

- Take ^3He production data

Monday (June 8, 2009)

- Take ^3He production data
- Take calibration data:
Carbon, reference cell (N_2 , H_2)

Tuesday (June 9, 2009)

- Take ^3He production data till 7:00am
- Works in the Hall during beam studies:
 - PVDIS work
 - reference cell change (H_2 to D_2)
 - BigBite sieve in
- Start beam recovery around 5:30pm, then take calibration data

SUMMARY

- Beam Time Accounting

Scheduled	145 Hours	% of the scheduled
Actual	129.8 hours	89.5%
ABU	115.4 hours	79.6%
BANU	14.4 hours	10%

- Major reasons for BANU

- DAQ crashed ~ 4 hours
- Configuration change ~ 8 hours
- Beam quality check ~ 2 hours

- Accumulated charge (June 2 ~ June 9)

---- Longitudinal polarization target:

HWP IN 0.52 C

HWP OUT 1.06 C

---- Transverse polarization target:

HWP OUT 0.85 C

HWP IN 0.84 C

14.2 C so far, 89% of the expected data

Plan for last week

- Vince will take over the Run Coordinator
- Take some data with 3-pass beam on June 12
- Some tests with 5-pass beam for PVDIS