

Spin Dance 2001 - FINAL RUN PLAN

September 7, 2001 (j. grames)

Program Coordination

The program runs from 00h 9/15 through 00h 9/17 (6 shifts).

The program order is:

1. Magnetic separation to Hall A
2. Hall Energy Measurements (Hall A e/p + Arc, other?)
3. Hall A polarimeter setup & checkout (good tunes)
4. 1st spin dance: **RF MODE ONLY** for Mott + Hall A Moller + Compton
5. RF separation to Halls A/B/C
6. 3-Moller polarimeters setup & checkout (good tunes)
7. Setup DC laser mode
8. 2nd spin dance: **DC MODE ONLY** for Mott + Hall A/B/C Mollers
9. Injector energy measurement

Run Coordinator (RC) for the spin dance is Joe Grames (cell: **876-5116**).

<i>Baseline Equipment</i>	<i>Contact</i>
Polarized Source	Matt Poelker
Injector Mott	Joe Grames
Hall A Compton	Douglas Higinbotham
Hall A Moller	Eugene Chudakov
Hall B Moller	Arne Freyberger
Hall C Moller	Howard Fenker
Injector Energy	Joe Grames
Hall A Energy	Arun Saha
Accelerator	Michael Tiefenback

Useful phone numbers are:

MCC Crew Chief: x7045
Hall A: x6328/x6349
Hall B: x5247
Hall C: x6000/x6666

Summary of Accelerator Schedule

Project	<i>ACCEL.</i>	<i>HALL A</i>	<i>HALL B</i>	<i>HALL C</i>
SWING	physics	physics	physics	physics
9/15 OWL	Setup Hall A magnetic extraction, support energy measurements and setup Hall A polarimeters	beam e/p energy arc energy setup polarimeters	no beam	no beam GeN work Safe the target for chicane removal
DAY	Deliver to Mott and Hall A polarimeters RF separator hardware reconfi.	beam polarimetry	no beam	no beam survey group remove the chicane
SWING	Deliver to Mott and Hall A polarimeters	beam polarimetry	no beam	no beam GeN work
9/16 OWL	Setup RF extractions to 3-hall and support polarimeter setup and checkout	beam polarimeter setup and checkout	beam polarimeter setup and checkout	beam polarimeter setup and checkout
DAY	Deliver to Mott and 3-Halls	beam polarimetry	beam polarimetry	beam polarimetry
SWING	Deliver to Mott and 3-Halls	beam polarimetry	beam polarimetry	beam polarimetry
9/17 OWL	Injector for energy measurement	no beam	no beam	no beam

Detailed Run Plan

9/15 - OWL

00:00 Configuration Change (2 hr)

Ops passdown
 Physics beam off
 Consideration of spot move to increase QE by 50%.
 Set Wien to +10 degrees
 Setup magnetic extraction to Hall A

02:00 Hall A Energy Measurements (4 hr)

Ops support Hall A for e/p energy measurement
 Ops support Hall A for arc energy measurement

06:00 Hall A Polarimeter Setup (2 hr)

Injector intensity setup for Mott/Moller and Compton polarimeter
Ops setup Hall A Compton & Moller polarimeters
Compton polarimeter checkout

9/15 - DAY

08:00 Wien=+10 deg (3 hr)

A-Moller + Compton +setup Mott + Mott

11:00 Wien=+105 deg (2 hr)

Wien change + Mott + A-Moller + Compton

13:00 Wien=+70 deg (3 hr)

Wien change + Compton + A-Moller + setup Mott + Mott

16:00 Wien=+35 deg (3 hr)

Wien change + Mott + A-Moller + Compton

9/15 - SWING

19:00 Wien=-105 deg (3 hr)

Wien change + Compton + A-Moller + setup Mott + Mott

22:00 Wien=-70 deg (3 hr)

Wien change + Mott + A-Moller + Compton

9/16 - OWL

01:00 Wien=-35 deg (3 hr)

Wien change + Compton + A-Moller + setup Mott + Mott

04:00 Beam Setup for 3 Hall Operation (3 hr)

Ops setup RF separation to 3 Hall Polarimeters

07:00 Injector Access for DC laser (1 hr)

DC laser mode included

08:00 Polarimeter Checkout (3 hr)

Ops support 3-Moller checkout

9/16 - DAY

11:00 Wien=-35 deg (2 hr)

3-Moller + setup Mott + Mott

13:00 Wien=-70 deg (2 hr)

Wien change + Mott + setup A/B/C + 3-Moller

15:00 Wien=-105 deg (2 hr)

Wien change + 3-Moller + setup Mott + Mott

17:00 Wien=+105 deg (2 hr)

Wien change + Mott + setup A/B/C + 3-Moller

19:00 Wien=+70 deg (2 hr)

Wien change + 3-Moller + setup Mott + Mott

21:00 Wien=+35 deg (2 hr)

Wien change + Mott + setup A/B/C + 3-Moller

23:00 Wien=+10 deg (2 hr)

Wien change + 3-Moller + setup Mott + Mott

9/17 - OWL

01:00 Injector Energy Measurement (1 hr)

Injector energy measurement

02:00 PROGRAM ENDS