

Spin Dance 2001 - DRAFT RUN PLAN

September 5, 2001 (j. games)

Program Coordination

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

The program order is:

1. Accelerator Mods (laser DC switch and RF separator re-configuration)
2. Beam Extraction Setup (3 Hall RF and Hall A dipole)
3. Hall Energy Measurements (Hall A e/p + Arc, other?)
4. Beam Orbit Setup (good tunes)
5. Polarimeter Checkout (with beam)
6. 1st spin dance: **DC MODE ONLY** for Mott + Hall A/B/C Mollers
7. 2nd spin dance: **RF MODE ONLY** for Mott + Hall A Moller + Compton
8. Injector energy measurement

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

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

Detailed Run Plan

9/15 - OWL

9/15: 00:00 Configuration Change (1.5 hour)

Ops passdown
Injector access to install RF switch and re-install prebuncher functionality
Re-configuration RF separators for 3-hall 5th pass beam separation
Restore injector beam and set Wien filter to -35 degrees

9/15: 01:30 Beam Separation Setups (1.5 hour)

Ops setup 5th pass RF separation to dumplettes + save setup
Ops setup 5th pass DIPOLE separation to Hall A dumplette + save setup

9/15: 03:00 Hall A Energy Measurements (4 hr)

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

9/15: 07:00 Mott Checkout and Polarimeter Beam Setup (3 hours)

Injector Mott Checkout
Ops setup by RF extraction to 3 Moller polarimeters for checkout

9/15 - DAY

10:00 Polarimeter Checkout with Beam (3 hr)

3-Moller simultaneous beam checkout
Minimize charge asymmetry with open apertures

13:00 Wien=-35 deg (1.5 hr)

3-Moller + setup Mott + Mott

14:30 Wien=-70 deg (2.0 hr)

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

9/15 - SWING

16:30 Wien=-105 deg (2.0 hr)

Wien change + 3-Moller + setup Mott + Mott

18:30 Wien=+105 deg (2.0 hr)

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

20:30 Wien=+70 deg (2.0 hr)

Wien change + 3-Moller + setup Mott + Mott

22:30 Wien=+35 deg (2.0 hr)

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

9/16 - OWL

00:30 Wien=+1 deg (2.0 hr)

Wien change + 3-Moller + setup Mott + Mott

02:30 Wien=+1 deg (2.0 hr)

Setup dipole extraction to Hall A

Ops support Compton & Moller setup

Compton polarimeter checkout

04:30 Wien=+1 deg (2.5 hr)

Moller + Compton +setup Mott + Mott

07:00 Wien=+105 deg (2.0 hr)

Wien change + Mott + Moller + Compton

9/16 - DAY

09:00 Wien=+70 deg (3.0 hr)

Wien change + Compton + Moller + setup Mott + Mott

12:00 Wien=+35 deg (3.0 hr)

Wien change + Mott + 3-Moller + Compton

15:00 Wien=-105 deg (3.0 hr)

Wien change + Compton + 3-Moller + setup Mott + Mott

9/16 - SWING

18:00 Wien=-70 deg (3.0 hr)

Wien change + Mott + Moller + Compton

21:00 Wien=-35 deg (3.0 hr)

Wien change + Compton + 3-Moller + setup Mott + Mott

24:00 Injector Energy Measurement (1 hr)

Injector energy measurement

9/17 - OWL

01:00 PROGRAM ENDS