Startup Status (reviewed 5/18/01)

- Brief survey of all systems. There is about one week left before close-up (Most likely open until 5/21 Morning)
- Priority for this week is
  - Complete survey (partly done 5/18)
  - Installation of TOFW panel#6 (done)
  - Refilling of RICH (done)
  - Final fine-tune of TPC Gating Grid (mostly done, will do a bit more next week)

TPC

- TPC
  - (+)Extensive studies and Checks of Gating Grid and pulser has taken place; acceptable operational levels of pedestals has been achieved. T2 was further fine-tuned with additional grounding. The other T1,MTP1, and MTP2 will be reviewed one more time.
  - (+)The Cabling is documented on web page.
  - (+)All 4 TPC on platform.
  - To be done
    - Pedestal program update- interface to Database.
    - Monitoring program (basic performance, ADC vs Heights, residuals (tracking),
    - (+) HV setup (brahvo files)
    - (+) Reconfiguration of TPM2 pad layout (Done, was more labour intensive than though due to asymmetric connector layout)
    - Checkout of new map+pedestals (Monday)

TPC monitoring

- Drift velocity monitors
  - Ready for use.
  - Needs work in regard to triggering, data streams.
- Calibration DC
  - The MRS has been removed. Could not be brought operational.
  - Continue working on alternatives. 2*2mm fibers has come in.

Global

- BBC
  - (+)Have been rolled in place and surveyed.
  - (+) Check out of discriminators to be done (some have dried out filter capacitor)
  - (+) Need checkout for D1 field at highest setting.
  - Pulser checkout + self trigger run for final checkout.
  - Check documentation and HV settings.

Global

- (+) Multiplicity array has been rolled in and clear beam-pipe by about 5 mm from Si-wafers.
- Checkout in progress
- (+) Tiles had calibration runs last week with Cosmic ray to determined HV settings. Measurements done to lower gains about 30%.
- Some paddle cards/connectors causes intermittent bad pedestals.

ZDC

- (+) New cables installed.
- Finalize voltage setting for cosmic checkout and 100 GeV running.
- Needs one final checkout.
- (+) Is a survey needed? - NO

DC

- Some mix up in cables/readout according to ZB.
- Awaiting report on status
- Need Voltage Settings. Part of Operational procedure book
- Survey!!(Not done as of Friday)

H1,H2

- (+) H1, disc levels set to 100 mV
- (+) Same settings will be done for H2.
- Check/Update HV setting files.
- Review Online monitoring programs.

Cherenkov's

- RICH
  - Believe no condensation occurred, but rather slow leak reducing the amount done to 1 atm.
  - Index of refraction was measured to (n-1)=1580
  - (+) Refilling process in progress , should be complete by Wednesday. Index re-measured. OK.
  - Checkout of system to be done
- C1
  - Checkout to be done; HV + led runs.
  - (+) Movement of C1 onto rails should be checked.

Survey

- Started Thursday
- (+) Beam pipe into proper place
- (+) BB,MULT surveyed
- (+) MRS TPC's moved, aligned and surveyed.
- (+)FFS T1,T2,H1 and C1 to be done
- Important to do BFS particular DC's
  - Survey markers, access to those (plate removed)
- Should be completed Monday/Tuesday (+ 1 week)

TOFW

- Panel 5 in place
- Calibration slats behind first 4 slats
- Add new slats to readout+HV setup
- All discriminators are now P710 on floor.
- Checkout of all slats.
- (+) Awaiting installation of panel 6 (in production). Priority for this week. Completed 5/20 including cal slats.

Trigger

- Removed all temporary modules, cables
- Changed setup for trigger input, particular in regard to pulser.
- Working with KO to get this software controllable. Hardware in place.
- Need some additional checkout, cleanup and labeling.
- Sufficient space in NIM bins for additional triggers as Centrality, Vertex cut and Spectrometer trigger

Slow Control

- (+-)HV Brahvo has problems with Root 3.00.06. Some progress but still problems
- It is ok for L4032 and 1450. Should be used exclusive from now on
- Segmentation faults for 1458. Hope CE can resurrect this.
- The trip control stuff partly developed by Truls should also be included.

Monitor Software

An effort must be made to ensure

1. Existing Monitor+ Ntuple works.
2. Review histograms used for summary
3. Review SuperMon histograms for all
4. Add much needed new monitors for
   - TPC performance
   - DC performance
   - Beam, scalers, collisions rates
   - Initial tracking (and PID?)