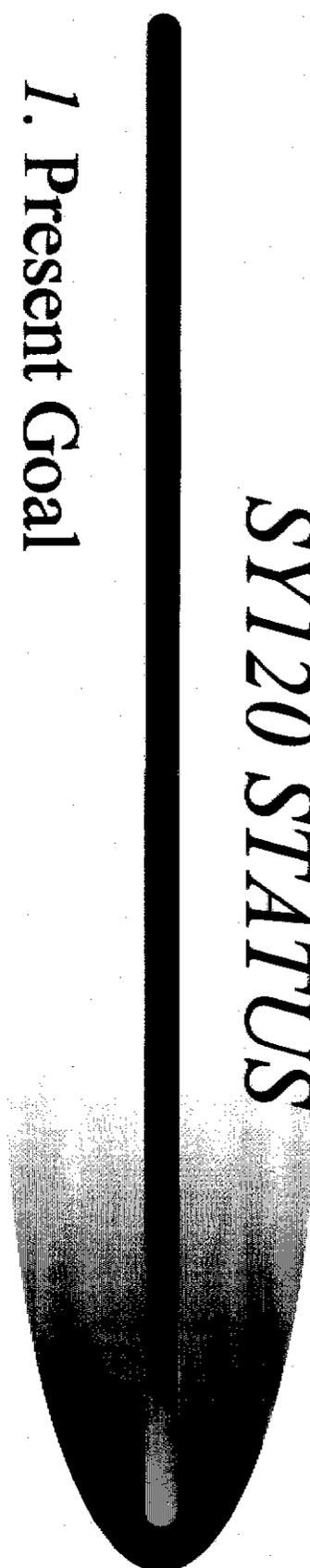


SY120 STATUS



1. Present Goal

No decision by default - Finish as much tunnel work as possible that requires Accelerator beam off. - C.B.

2. Short Term Goal

Beam to SY Dump - Early 2002

3. Intermediate Term Goal

Low Intensity Beam to Meson Area - Late Spring

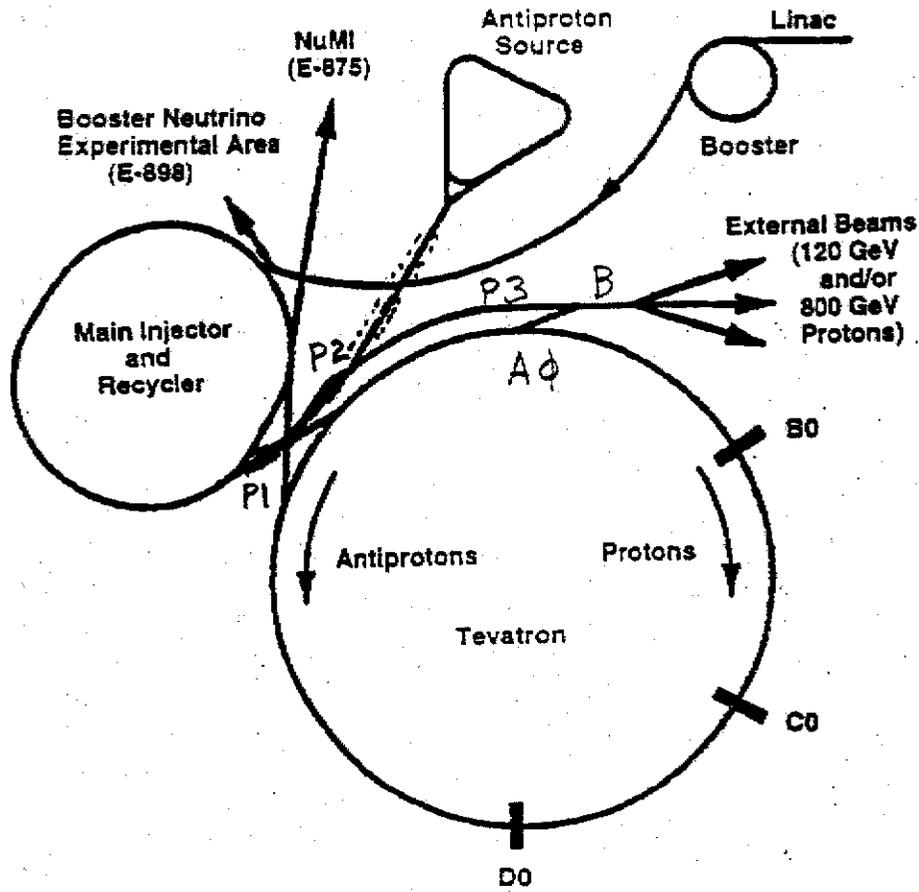


Figure 10. Schematic layout of Fermilab accelerators with present and future experimental areas.

BEAM TO SY DUMP

- SAD
 - No KaMI => Less intensity => No e-berm? CKM Siting
 - Still months even though I wrote PSAD and PSA - L.R.
- RESURRECT RESONANT EXTRACTION
 - Recycler took quads used for extraction
 - No QXR for 6 months - ok for commissioning
 - Depending on time scale for MWs may use single turn for old style BPMs
- COMMISSION P3 LINE
 - No Trim supplies for P3 for two months
 - Control Software - R.C.
 - Basic Software for beamline
 - Synoptic Displays
 - Autotune

Nov 2, 2001

PAC_SY120-CDM

BEAM TO MESON PHASE I

- Alignment
 - Tie together of enclosure B and C
 - Align New Elements
- Take out old Left Bend cryo magnets and as much of the associated plumbing as possible
- Install new elements
 - EPB rework by TD ? (borrow NuMI EPBs)
 - Vacuum, LCW, Cables (Tiger Team Cleanup), Power Supplies, Hangars
 - Instrumentation
- Safety
 - Meson Safety System - should be upgraded, prob ok for low intensity
- Resources, Money, Schedule
- Replacement for Thornton

MTTEST STATUS

- TARGET ON TARGET TRAIN
 - Nothing new
- Install existing elements in new location
 - Reconfigure upstream bend point
 - Vacuum pipe and hookup, LCW, Cables, Power Supplies
 - Beam Instrumentation exists
- Safety
 - Meson Safety System - additional shielding in user area (PPD)
- Install pin hole collimator to allow 120 GeV beam
- Secondary Intensity:
 - IE6 for protons
 - IE4toIE5 for other positives and negatives
 - Electron mode under development

P907

- **Dipoles**
 - Five EPPBs - not in TD queue
 - One 6-3-120 in BD budget
- **Quadrupoles**
 - Seven 4Q120s - Not in TD queue
- **Install new elements**
 - Vacuum, LCW, Cables, Power Supplies, Stands, Instrumentation, Controls, Alignment
- **Safety**
 - Meson Safety System - should be upgraded, prob ok for low intensity
- **Resources, Money, Schedule**

PRESENT ACTIVITIES IN TUNNELS P3, TRANSFER HALL, ENCLOSURE

Magnets - Main Bends, Trims, Quads - All on stands

Alignment - Need magnets and instrumentation in Transfer hall and B

**Instrumentation - Need some loss monitors in Transfer Hall and
multiwire paddles in P3, need cables shuffled for SWICs and BPMs,
need various cables terminated, phase matched for multiwires and
BPMs**

**Vacuum work - Need pipe installed and elements hooked up in
Transfer Hall and B, MSEPs reworked**

**Water work - Need bus hookup in Transfer Hall and miscellaneous
clean up in Transfer Hall and B**

Electrical hookup - Need MSEPs and few magnets in B

Goals at end of Shutdown



All elements aligned and under rough vacuum at the end of the shutdown !

All instrumentation installed including cables to upstairs except the multiwire paddles will be installed later.

All elements electrically hooked up and ready for power supply testing.