

2006-03-24 Shutdown Meeting

Friday, March 24, 2006
8:56 AM

- Schedule:**

Updated 3/20/06	MONDAY 3/20/2006	TUESDAY 3/21/2006	WEDNESDAY 3/22/2006	THURSDAY 3/23/2006	FRIDAY 3/24/2006	SATURDAY 3/25/2006/	Sunday 3/26/2006
Owls 0000 to 0800							
DAYS 0800 to 1600	NTF-PT 0700-noon Booster west Gallery pwr outage move to generators Tunnel on 1 st Towers on next Gallery on next MTA on last 0815-1130 FDR 61 (pulsed power no impact on shutdown)	← 0815-1130 FDR 62 (pulsed power no impact on shutdown)	NTF-PT 0815-1130 FDR 63 (pulsed power no impact on shutdown) Tev Rd closed 1 Bldg at a time A1, A2, A3, F4, F3 this week watch for guide signs at Tev ring entrance	NTF PT Booster west gallery on generators 0815-1130 FDR71 (pulsed power no impact on shutdown)	→ 0700-noon Booster West gallery pwr outage to come off generators	Generator move From west gallery to east gallery & maintenance Data base up grade controls down 10 hrs	
EVES 1600 to 2400		0815 Feeder 49 D0/CDF/Feynman moved to Feeder 47(industrial) no power outage					

This week

Pasted from <http://www-bdnew.fnal.gov/operations/schedule/March_4_2006.gif>

Pbar outage back on for Saturday.

Updated 3/17/06	MONDAY 3/27	TUESDAY 3/28	Wed 3/29	THURSDAY 3/30	FRIDAY 3/31	SATURDAY 4/1	Sunday 4/2
Owls 0000 to 0800							
DAYS 0800 to 1600	NTF-PT 0700-noon Booster East Gallery pwr outage move to generators Tunnel on 1 st Towers on next Gallery on next 0815-1130 FDR 73 (pulsed power no impact on shutdown)	← 0815-1130 MIS house power outage	NTF-PT 0815-1130 FDR 96/97 (pulsed power no impact on shutdown)	NTF PT Booster east gallery on generators 0815-1130 FDR82/85 (pulsed power no impact on shutdown)	→ 0700-noon Booster East gallery pwr outage to come off generators	0700-1600 Linac feeder 40 off(8 hrs) affects Linac gallery, linac tunnel MCF Computer Room Cross gallery	
EVES 1600 to 2400	CHL/CDF/Feynman still on Feeder 47 (industrial)		Tev rd closures 1 bldg at a time A1,A2,A3,F4,F3	CHL,CDF, Feynman moved back to feeder 49 (no power outage)	Linac turned off to prepare for power outage Saturday		

MI8 outage - tunnel

Updated 3/17/06	MONDAY 4/3/2006	TUESDAY 4/4/2006	Wed 4/5/2006	THURSDAY 4/6/2006	FRIDAY 4/7/2006	SATURDAY 4/8/2006	Sunday 4/2/2007
Owls 0000 to 0800							
DAYS 0800 to 1600	0700-0730 Master sub power outage (affects whole site except Village, Main injector, cryo, feeder46a, Mi12a,12b,13) Start linac back up after pwr outage.	NTF-PT		NTF PT Master substation Moved to kautz Rd substation (for next 3 weeks) Meson area controls down	NTF-PT	0700-1600 Feeder 43 power outage (affects Switchyard, F1,F2,FR,G2 Manholes, Transfer gallery, and transfer hall)	
EVENINGS 1600 to 2400							

E4 from 31st to 6th?

April 2006 updated 3/17/06 (Draft)						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
					April 1 - FDR 40 linac/gallery(MCR PWR also) 8hrs	2
3 0700-0730 Master sub Pwr outage Linac On	4 NTF	5 Master substation Moved to kautz Rd and	6 NTF Meson area controls down	7 NTF	8 FDR 43 SY transfer gallery PWR outage 8 Hrs (move enc. Bsumps to booster)	9
10 NTF	11 Save restore/sda outage 14 hrs(will have controls)	12 NTF	13 NTF FDR 23 Tey Pulsed Pwr Master sub on Kautz Rd substation	14	15- Feeder 44 pwr outage Affects mini boone Minos, Education center (worry about Minos pumps)	16
17 NTF FDR 23 HARMONIC FILTER	18	19 NTF	20 NTF 94/95 FDR 23 Master sub on Kautz Rd substation	21	22	23
24 NTF 0700-0730 master sub pwr outage, move master sub back to normal config	25 Java/Qac shutdown 8hrs Feeder 48 tery rf down 8 hrs	26 NTF FDR 38 CHL Off 8 hrs Also LB2 compressor xformer off 32 hrs	27 NTF CDF/D0 on feeder 45 Feeder 47/49 tie switch outage, (3 hrs) FCC on generators Affects Industrial complex(actually 1b1-2 transformer & 1b1 ns)	28	29 Booster PWR outage 2 hrs for whole booster East gallery 4 hrs am West gallery 4 hrs Pm	30
A0 house pwr outage 4 hrs am		TEV rd closures 1 bldg at a time A1,A2, A3, F4, F3 this week	ML1 degx oil fill 24 hrs	IBL xformer oil fill Y-IB1 off 24 hrs	Feeder 45 (Tey conv) PWR outage 10 hrs Moxx to May	

Move linac 1st -> 22nd
Move D0 to 1st?

Move D0 to 1st?

- **Machine Summaries:**

- **Linac**

- **Finished Work**

- Cleaned L.E. LINAC Modulators & Rectifiers (LFR1-LRF5)
 - Replace water fittings in Klystron Modulator De-Q'ing circuit
 - Replaced Collimator between L.E. LINAC Tanks 1 & 2
 - L.E. LINAC Water Maintenance
 - Modified Chopper & Moved Quad for future MuCool operations
 - Annual Pre-Acc Safety Trip Test
 - Cleaned Filters on 8 Ion Pump PS's
 - 45°/90° Magnet PS Maintenance
 - LLRF 9" Line Calibration on LRF5
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- **This Week**

- Continue Preventative Maintenance on H.E. LINAC Klystron Systems
 - Returning LRF7 to 7835 Conditioning
 - Driver Characterization on LRF5
 - I- Anode Bulk Supply Upgrade
 - MuCool Alignment Scheduled Today
 - NTF Patient Treatment (M,W,&Th)

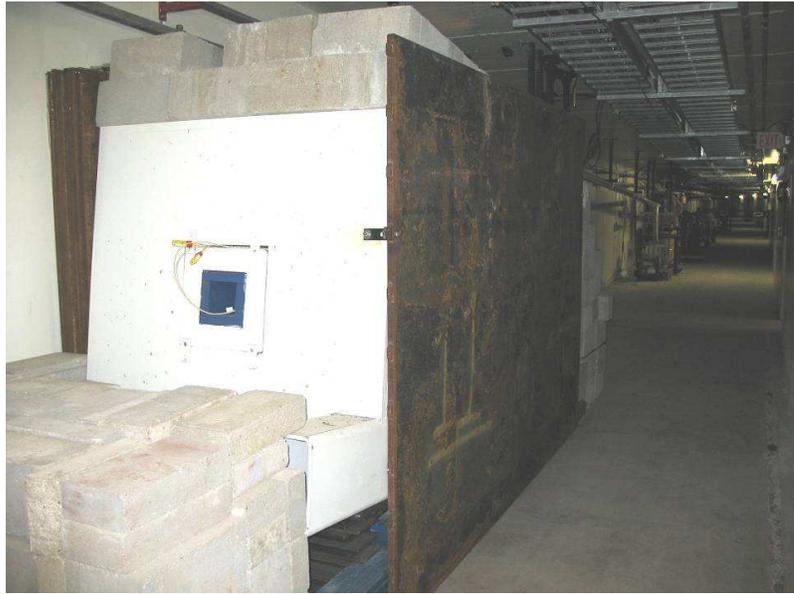
- **Next Week**

- Continue Preventative maintenance on H.E. LINAC Klystron Systems
 - LLRF 9" Line Calibration on LRF4
 - Modulator Characterization on LRF5
 - I- Anode Bulk Supply Upgrade
 - NTF Patient Treatment (M,W,&Th)

- **Booster**

- Week 4 work

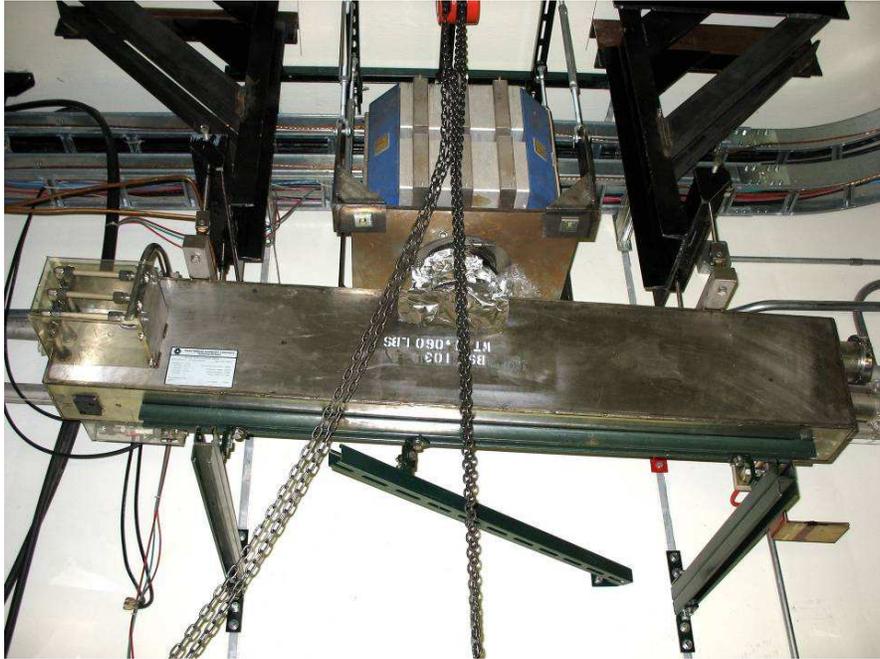
- **Dump and Shielding installation completed**
 - Q805/Q806 re-installed, Septum in place
 - Need to align quads and septum before Beam pipe installation
 - Continued Kicker installation
 - LCW pipe for corrector upgrade nearly done
 - ORBMP magnet/Girder work delayed but progressing
 - ORBMP Power Supply Conditioning
 - **Booster West 13.8KV switch gear installed**
 - RF maintenance continues
 - 400 MeV Gallery work progressing
 - BWT dig progressing for conduit.
 - **Still waiting on MI-8 conduit!!!**
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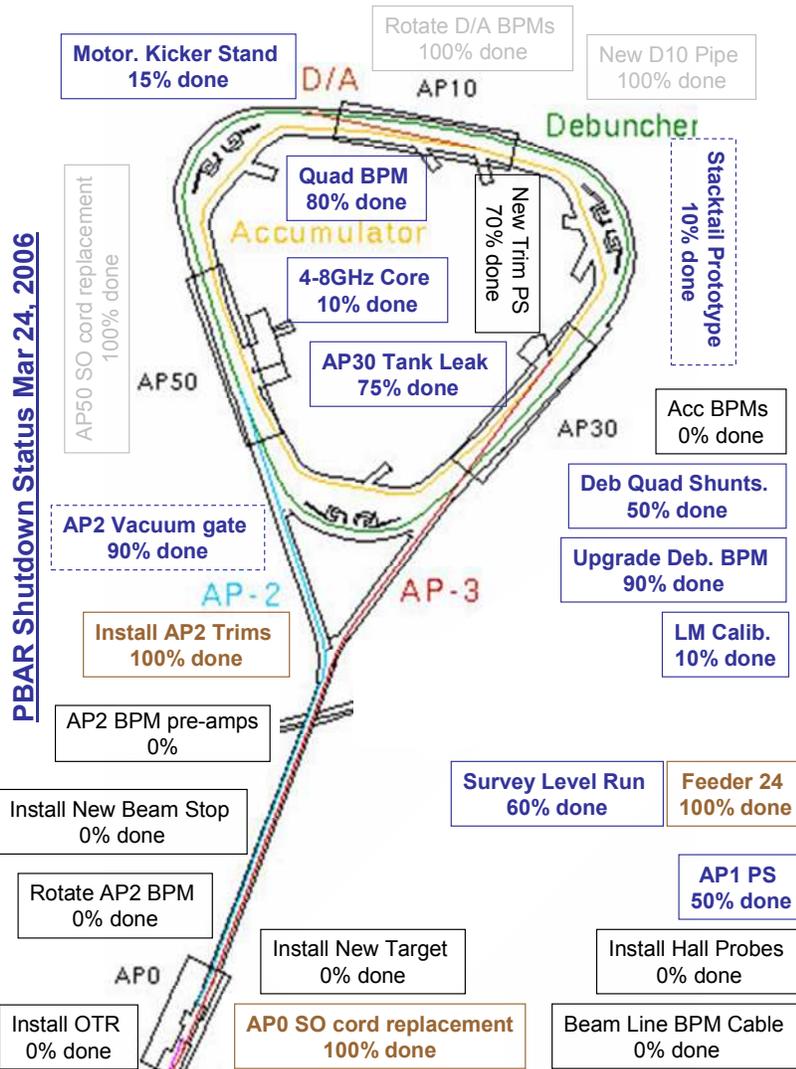
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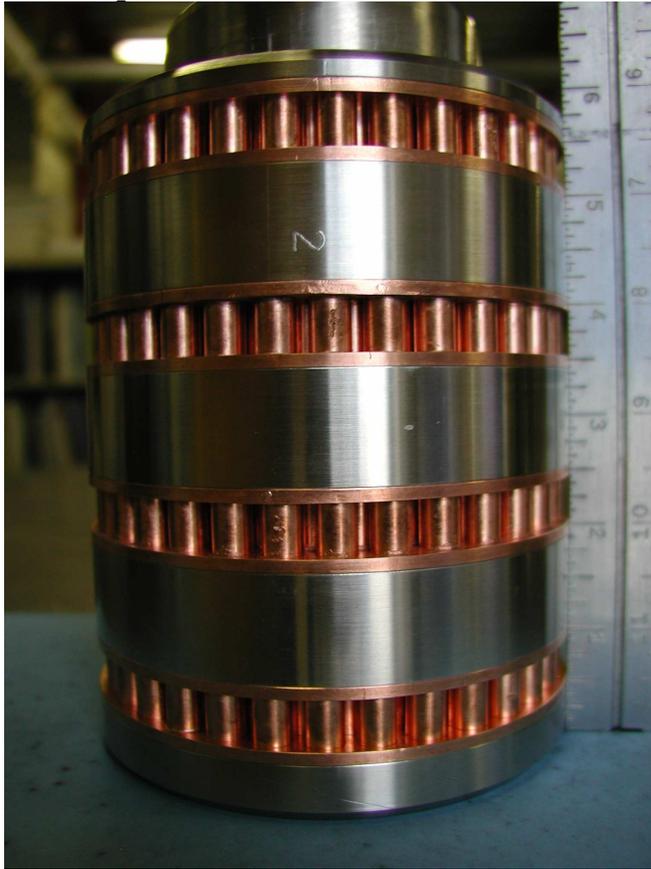
- Requests:

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- **Pbar**



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- New Target Module



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- **Main Injector**
 - Summary:
 - Continued installation of new MI8 line multiwires .
 - Continued installation of MI8 collimator.
 - Continued installation of MI10 kicker cooling system.
 - Continued installation of a large aperture quad at 222.
 - Began installation of a large aperture quad at 608.
 - Began installation of a large aperture quad at 620.
 - Quad 222
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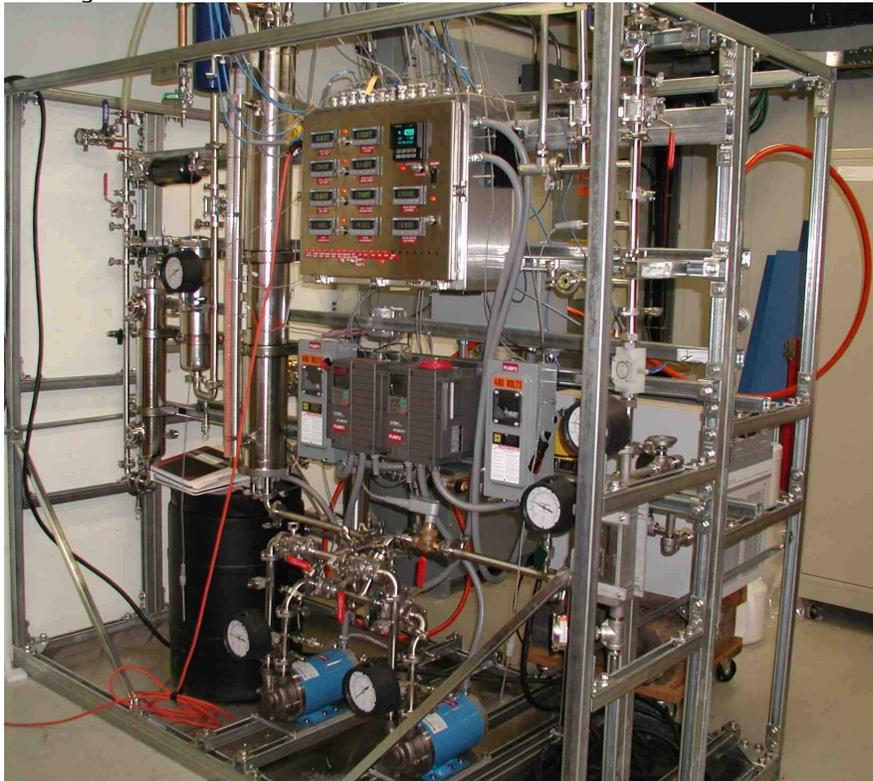


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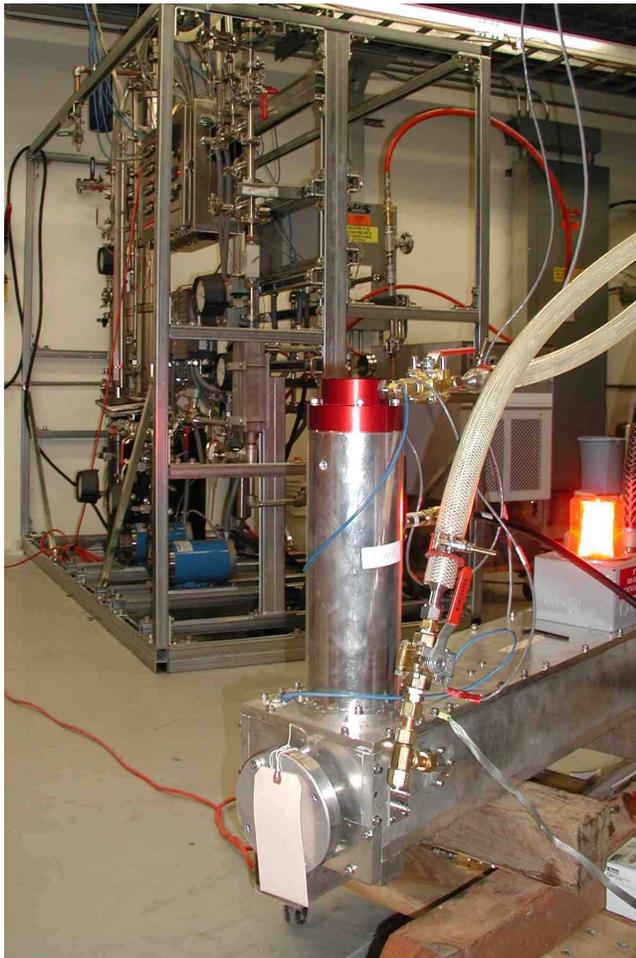
- Picture



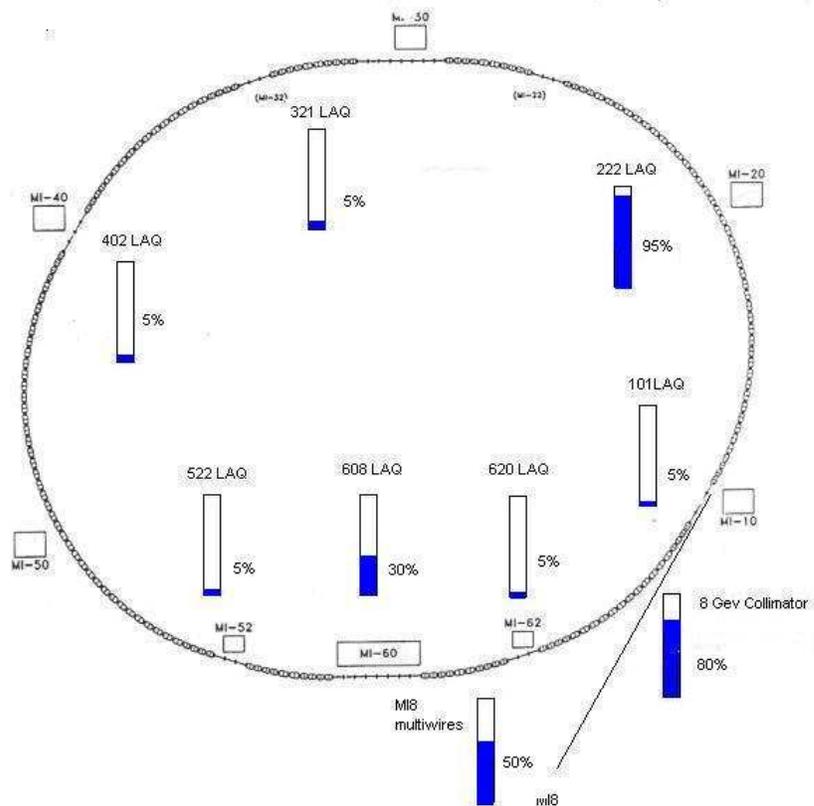
- Cooling skid F17



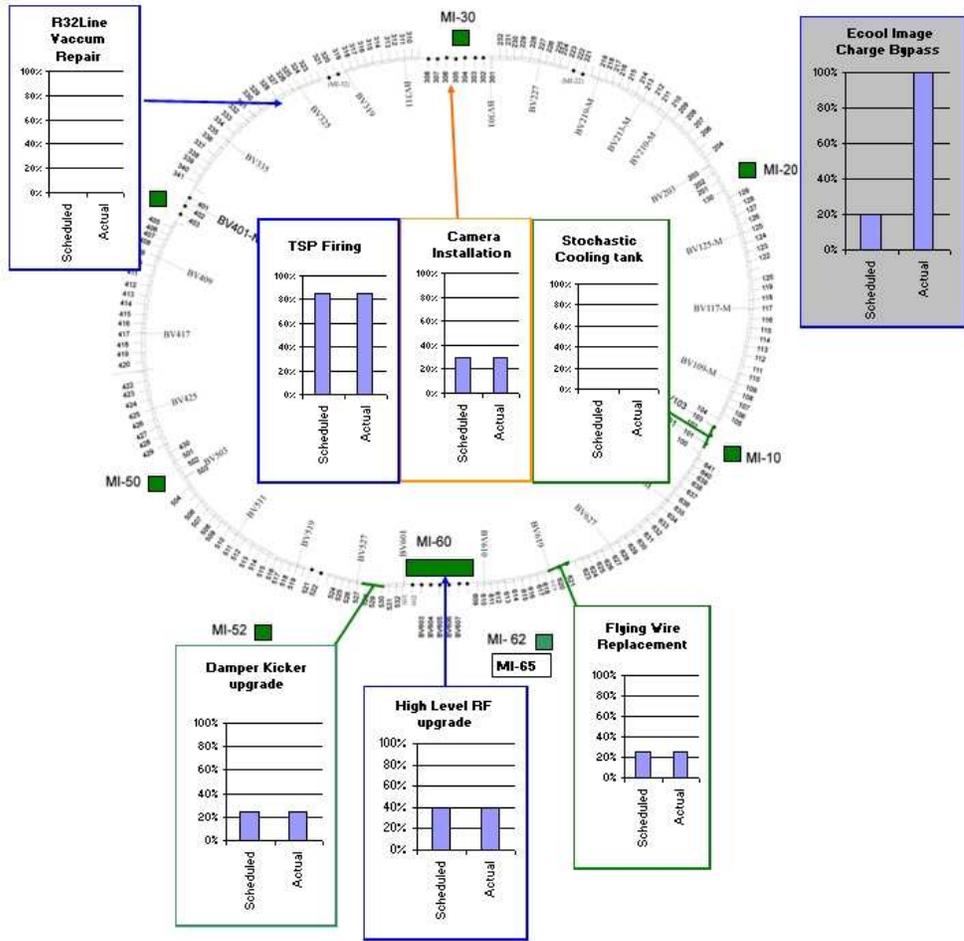
- New load



- Schedule

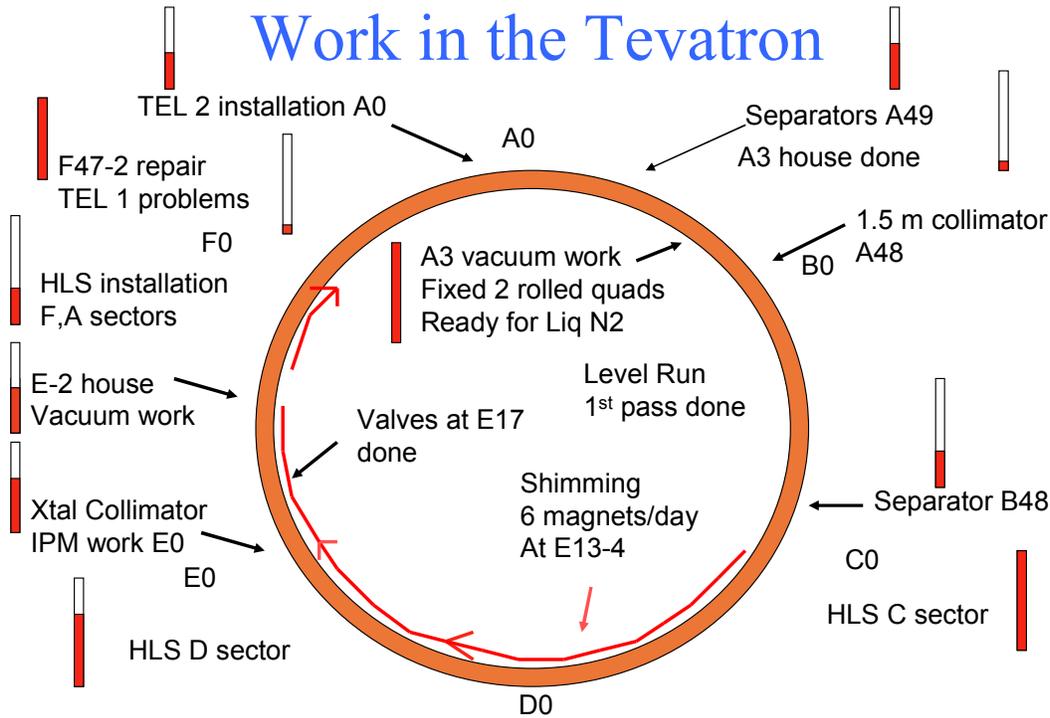


- **Recycler**
 - Status



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- **Tevatron**
 - Summary:
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Work in the Tevatron



Requests:

A 49 and B48 separators



3 Separators at A49 Aligned and Under vacuum waiting for power test Before bake out

One separator at B48 Waiting for alignment



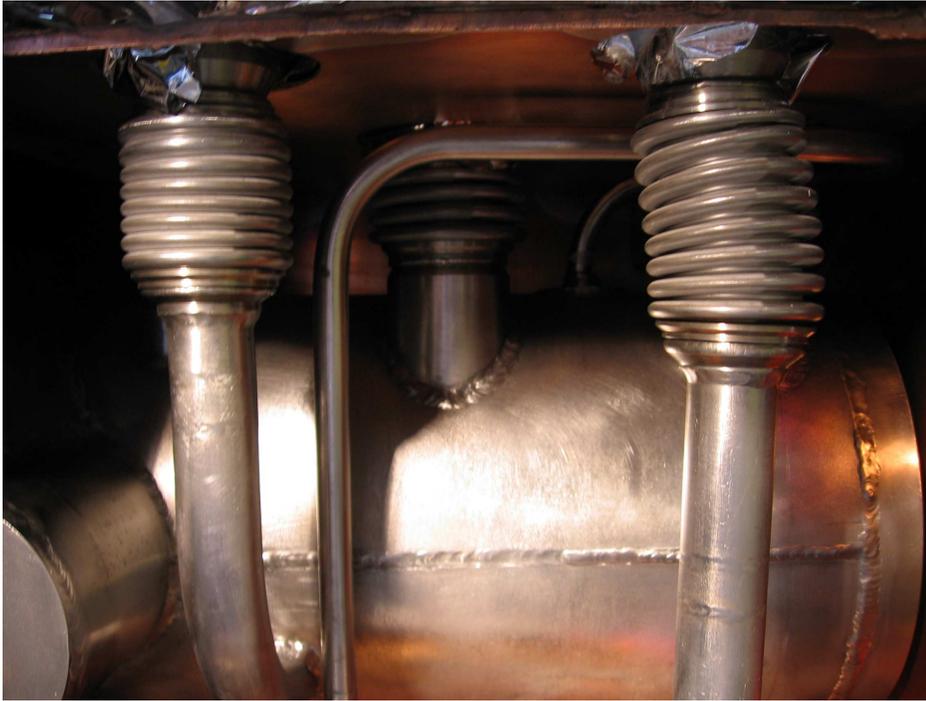
Setting vertical on TEL 2 at A0





- Status
 - F4 and A3 vacuum work done, walk through complete today
 - A 49 separators installed and under vacuum need to do power test before bake
 - B48 separator installed needs alignment
 - C0 HLS system done
 - D0 HLS system needs final test
 - Shimming on schedule in F sector skipped 11 magnets in E-2 to make way for vacuum work
 - E2 found one bad bellows and one bad seal finish next week ?
 - TEL 2 in place TEL 1 at VMS getting cut open
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- Bellows TEL1
- **SY120**
 - Finishing installation of new quad
 - MTEst upgrade details.
- **NuMI**

NuMI - Shutdown – Week 4

Target Hall Crane Hoist Brake Again Operational
Completed More Detailed Map of Horn 2 Residual Radiation
Developing ALARA Plan for Horn 2 Repair
Checked Feet for Horn 1 – Found Not to be Loose
Cleaned Flaking Nickel Coat from Horn Stripline Blocks
Target Chase Chiller Modifications Progressing at Manufacturer
Scaffolding Construction for Drip Pan Removal Complete
Pan Removal Scheduled for Next Week
Drain And Calcite Cleaning Completed in Pre-Target & Target Hall
Target Hall Air Damper Replaced – Air Leaks Minimized
Beginning Installation of Fall Protection in Pre-Target

NuMI Water System Again Operational
Pump Aligned and Miscellaneous PM

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- **MiniBooNE**

Spring Shutdown 2006

MiniBooNE

- - This week: No work scheduled.
 - Test Horn week of April 10:
 - Need LCW.
 - Need enclosure interlocked.
 - Week of May 1:
 - Begin alignment work.
 - Begin RAW system work.
- **CDF**
 - Summary:
 - Learned from power outage.
 - ◆ auxillary power generator missing phase
 - ◆ Two pumps plugged into same spigot.
 - ◆ Systems have now been corrected.
 - Requests:
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- **DO**
 - Summary:
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 - Requests:
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- **Alignment**

Alignment Schedule for March 24 2006

■ Tevatron

- > Completed A49 Separators
- > Completed Rough Align Tell II
- > Completed Bypass Alignment (Tell II) (Miscellaneous Components)
- > Completed 40% Unrolls
- > Completed Tie-Rod Elevation run 50%
- > **Scheduled B48 Separators (Today)**
- > **Scheduled Unrolls**
- > **Scheduled Deep Rod installation.**
- > **Scheduled Tell II , Tell I support.**

■ Main Injector

- > Completed Alignment MI 222
- > Completed MI 321 Quad and adjacent Lambertson
- > Completed MI 521-522 Quad and adjacent Lambertson
- > **Scheduled MI 608**
- > **Scheduled MI 620**

Alignment Schedule for March 24 2006

■ 8Gev

- Completed 4 Collimators at CB836 and CB838.
- Scheduled " The installation of the MI-8 beam dump will require alignment. Several kickers will be installed, one septa magnet, 1 BPM, 2 Toroids, beam pipe, 1 quad will be moved and two multiwires."

□ P-Bar

- Completed 90% Elevation runs (Drops are still needed)

■ 400Mev

- No work scheduled

■ Recycler

- Scheduled 180 Deg. Magnet alignment and beam pipe.

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Alignment Schedule for March 24 2006

■ MiniBooNe

- Completed Spare Horn

■ CDF

- Completed

■ Linac

- Scheduled " Align changes to upstream 400 MeVline in linac enclosure, Q74

■ MIPP

- Completed 90% of requested as found.

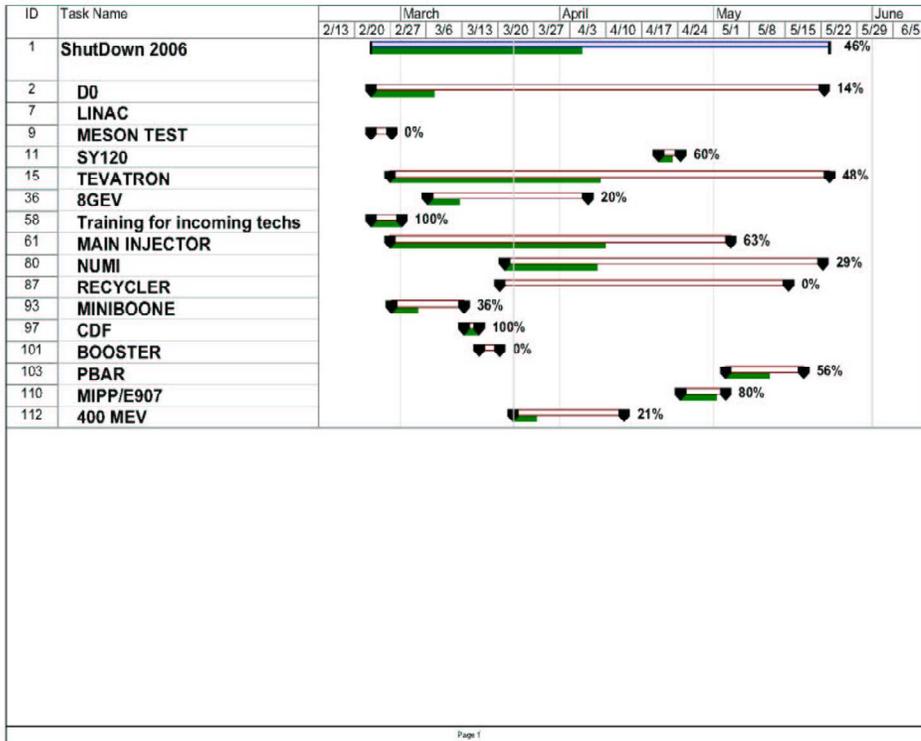
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Alignment Schedule for March 24 2006

■ Add On's

- Completed as found E21-2
- Completed as Set E21-2
- Scheduled Tevatron Unrolls (May bring in second crew)

Progress as of March 24 2006



- **Mechanical**
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- **ES&H**
 - Summary:
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 - Requests:
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- **Cryo**
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- **Other**
 - Summary:
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 - Requests:
 -
- **The Plan**
 - Summary:
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 - Requests:
 -