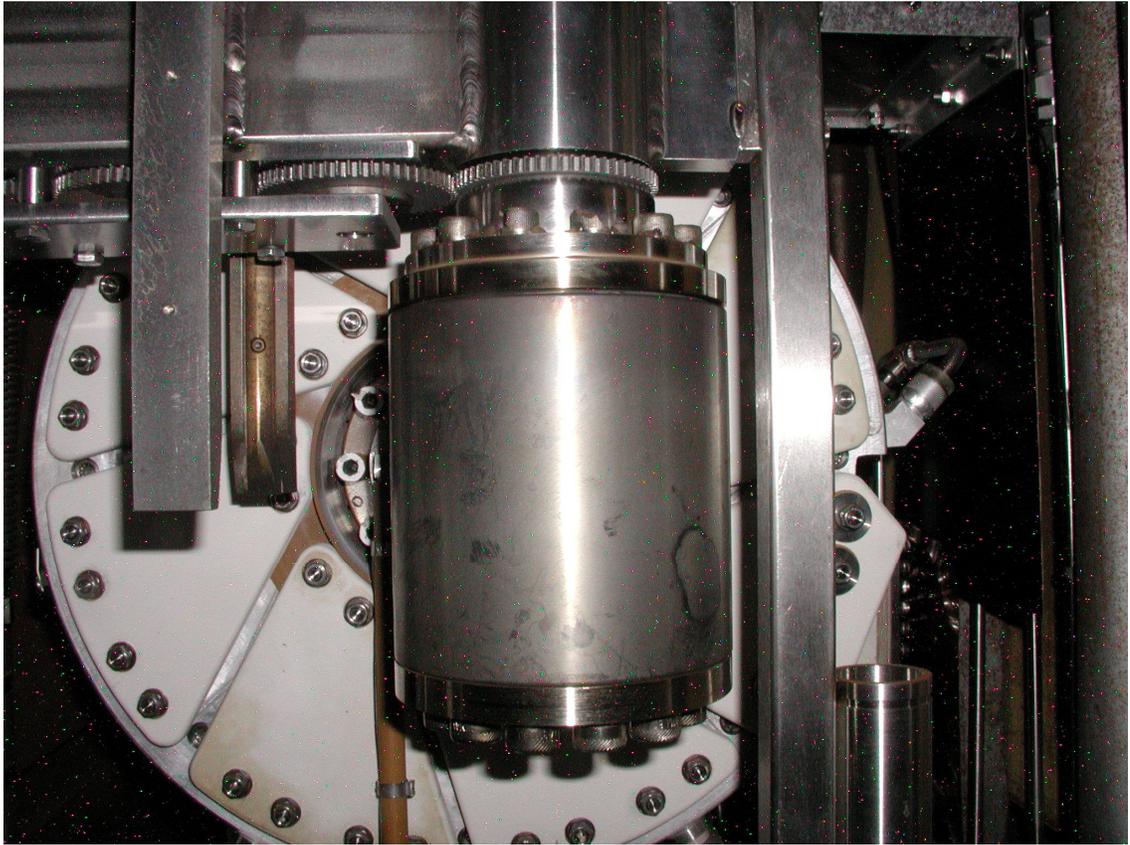


2009-08-20 Pbar Department Meeting

Thursday, August 20, 2009
9:59 AM

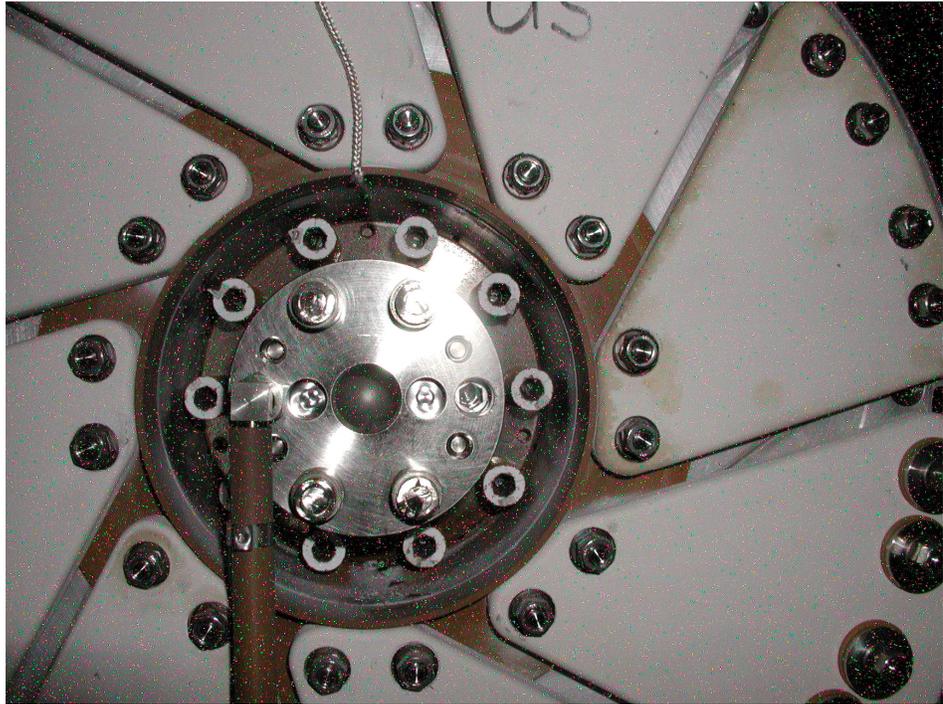
- Safety word of the week
- Shutdown
 - Transformers
 - Power Supplies
 - PM, replacing fans and checking LV ps. Continues...
 - Shunts
 - Not getting started on new items.
 - Bad ones were repaired.
 - IB7
 - Collimator
 - LJ719 able to move in and out
 - LJ707 sticks on the way out. Runs in nice. Need a wrench to get it out.
 - Will unplug since we don't need it.
 - D:ISEP
 - Testing it on day shift
 - Vacuum not very good. Vacuum was worse when it ran.
 - Now doing a low temperature bake.
 - TD said 180C would make them nervous, since capton tape.
 - Running back at 105 C.
 - Started back yesterday
 - Turbo reads 8-6, outgassing like crazy.
 - Stop bake Friday
 - Running turbos over the weekend
 - Ion pumps Monday
 - Word on ISEP spare is welding will be next week.
 - 4-8GHz Tanks
 - Install/Align
 - A40 Bake
 - A50/60 Bake
 - Think we are OK. -
 - From mechanical standpoint, vacuum is not great but ok.
 - Ring wide in ACC is double of what is normally good....not so bad.
 - Cryo
 - Purification next week
 - We need purification to be done and compressors on.
 - Target Station
 - SEM
 - Bad news
 - SEM can is leaking. Wont pump down. Had previously leak checked.
 - Leak is at SEM signal cable feedthroughs...feedthroughs were independently checked.
 - The wire plane on back of SEM can. Have to disassemble a number of layers, but new feedthroughs, etc...
 - The big flange - had trouble leak checking....
 - It will not be going in when we start up.
 - The good news is that everything is built, so it should be easy to put back together.
 - Later in september could install
 - Target
 - Pictures of target
 - Spot on lower right
 - Also some funny business with the bolts...parts are broken. These were

tac welded.

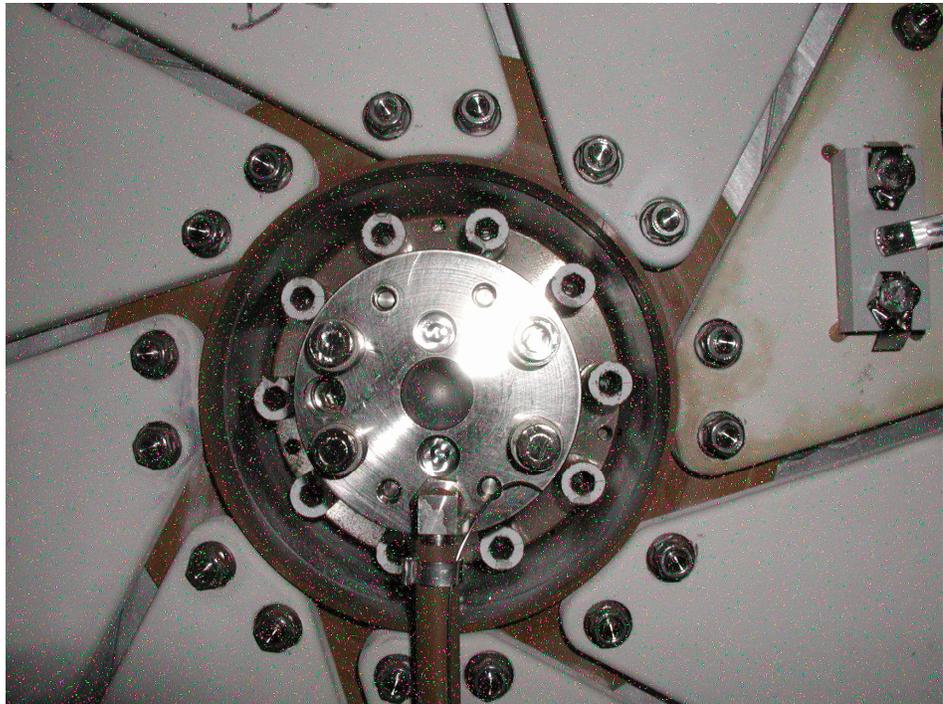


- Lens
 - Us face

- Us face

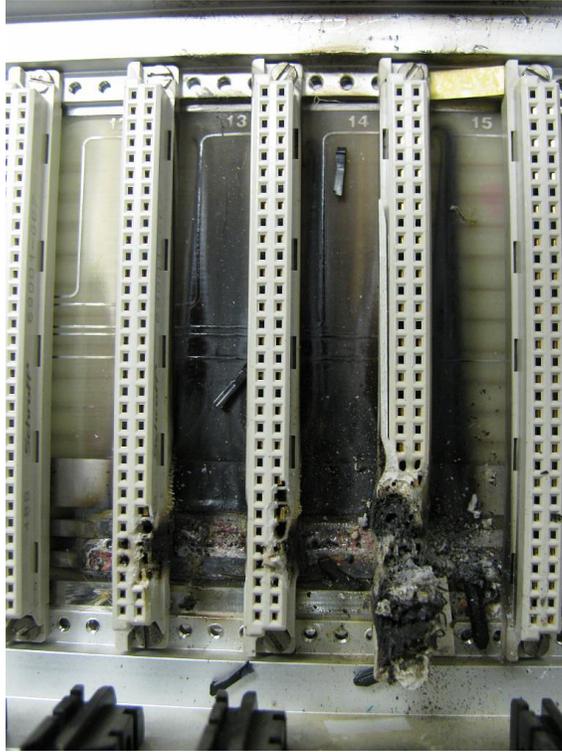


- No evidence of water leak
- There is debris in bottom.
- DS face



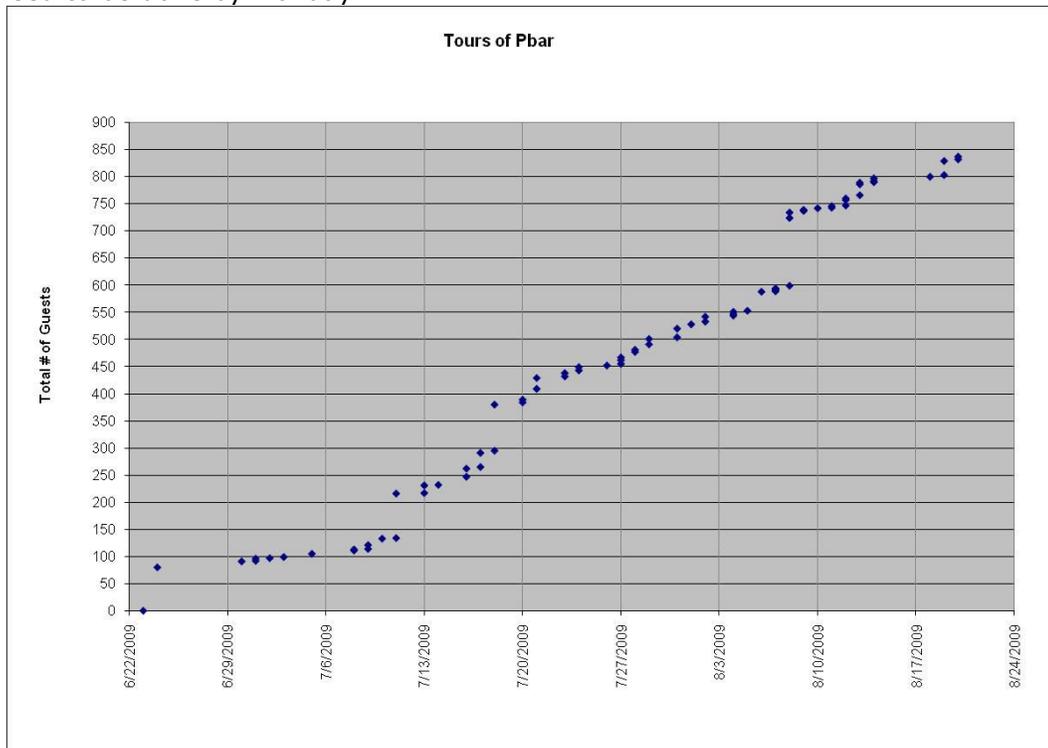
- Maybe something that looks like rust at VCR connection
- Pressure tested fine
- Yesterday did target module rotation maintenance
- Hipotted lens - 1.5mA at low volts. Bad. Started cleaning up....soon 1200V at 1.5mA.
- Water Cage
- Maintenance/repair
 - RF
 - Everything is on and idling at LV. Pulsing at low level this afternoon
 - PLC/Controls
 - Bernie, problem with crate in
 - Card 14 in a 16 slot crate

- Card 14 in a 16 slot crate
- Got a replacement crate from mike coburn...but the crate is compely different



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- A10 Motorized Stands
 - Couplers replaced
 - Alignment
- Vacuum system
 - BV728
 - CIA controls
 - Hand valve -
- Deb Cooling kicker balances

- Surveys
 - Inductance
 - Activation
- Water
 - Leaks
 - Back Flush
 - Check all water flowing
- Antihydrogen part II
 - Dipole water hook-up - working on this this morning.
 - Do we need shunts on these dipoles....may need to shunt away 24A.
- FESS/Infrastructure
 - Dumb Waiters
 - Transport Sump Pump
 - Safety lights - waiting for reply from FESS on status.
 - Pre-Target Door - going to check this afternoon.
 - APO HVAC Coils
 - Safety/Interlocks
 - Janitorial
- Power Outage
 - Site Wide Mon Jul 27
- Parking Lot
 - Please aware & safe
- Admin Assistant
 - Deb gone for 6 weeks (?)
- JASMIN is putting one sample set in the target vault.
- Tours need to be done by Monday!



- Startup
 - Brian Drendel will be September Machine Coordinator
 - Please state (non)preferences for Oct-Mar
 - On-Call schedule will follow as before
 - Monday (Aug 24) will be clean-up and clear-out
 - Safety system test to be scheduled
 - Search and secure to be scheduled
 - Please remove LOTO locks Monday
 - Rest of week: Power supply testing with occasional access
 - No News of when beam will be available

- Want to be prepared for Monday Aug 31

	Ecool mode RevProt. To ACC			Recycler Proton mode Pbar stacking Phase in cooling systems	Recycler In Pbar Mode First Pbars to RR	
		Tev Cold TevPS testing CDF/D0 out of tunnel		•Establish Tev Proton Beam (1 shift) •Smooth up the Ramp(2 shifts)	•Lattice Function measurements (1 shift) •Adjust tunes/Co/Chrom up the ramp (2 shifts)	•Parse Squeeze (1 shift) •Implement any lattice changes (1 shift) •Lifetime Measurements (1 shift)
•Pbar only store for helix closure (1 shift) •Beam Based Alignment (1 shift) •13X0 including scrape final checkout (1 shift).	Collider operations					

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- 4-8GHz tanks - couple hours...
- Debuncher - longer.... Ralph says phase in Deubnhcer cooling after things are on for a few weeks.....Look at around September 10th....need decent intensities to phase debuncher cooling....
- Beam on target will start at low intensity....NuMI has to retarget with low intensity....happens near labor day weekend.... Cons is hoping NuMI stable 8th or 9th.
- Ralph says we should test every cooling system in the first month.
- Tentative Dates
 - August 31st- Reverse protons
 - September 3rd, pbar stacking, phase in cooling.
 - September 4th, 1st pbars to RR?
 - September 13th, Pbar-only store. 150-250e10
 - September 14th, collider operations...
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- Misc - water on floor at AP50....