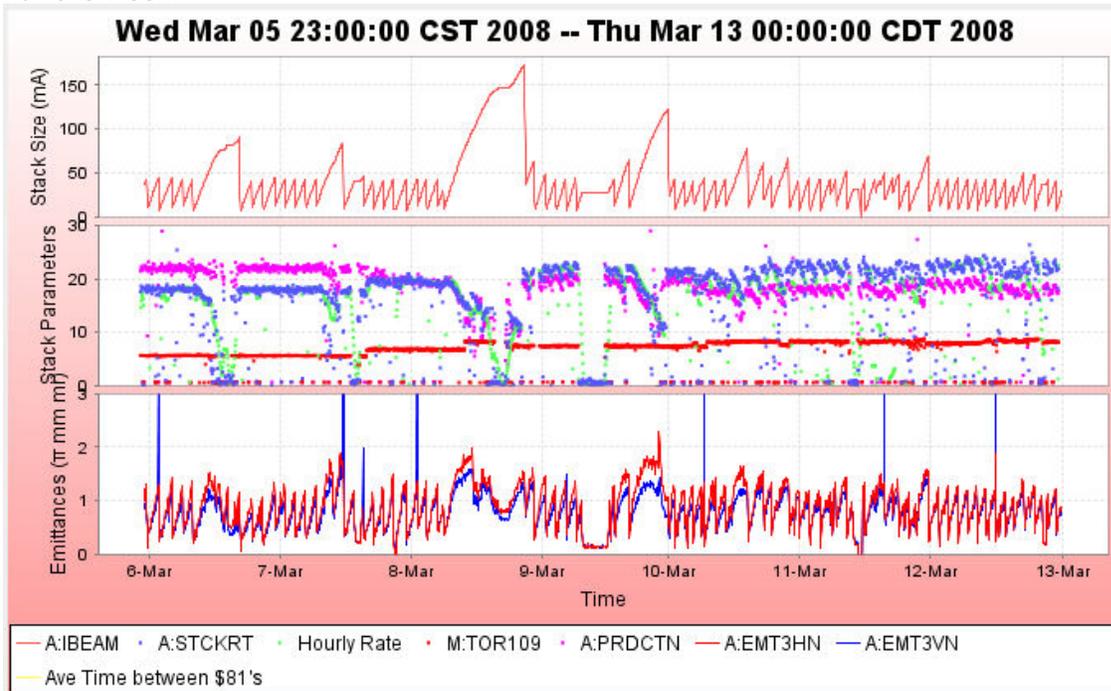


- Lithium Lens
 - Alcohol
- Running conditions
 - Wed eve until Friday
 - 1675V, target-0lens distance max, 6 t
 - Fri eve until sat morn
 - Target lens max dist, 8 turns
 - Sat morn until mon moren
 - 1675, max distance, 10 t
- For the week.



- Issues
 - Mainenance
 - AP1 loss monitors
 - Existing problems
 - Target motioin
 - Optical notch filter
 - ◻ Gain has stabilized, but gain changed by 5dB.
 - ◻ Asking for 2 hr access, but adjustment is quick.
 - ◻ Then do a test to see if this is worthwhile.
 - ◻ Need a 3-6dB gain flip.
 - ◻ Will have to play the gain ramps at the same time...
 - Ap1 rad trips
 - ◻ Air flow from target vault back to entrance of AP1. Tripping.
 - ◻ Takes 14-15 minutes for air to propagate.
 - ◻ ES&H have raised the trip limit from 5.5 to 10.
 - ◻ Level goes up when the steel bodied lens is in.
 - ◻ Density of steel 4.8, titanium is 4.5....so make a bigger shower???
 - D/A SEM
 - Cooling
 - Debuncher momentum.

- Equalizer for band 1 ready for installation, need char measurements, put it in, and then another set of char measurements.
 - ◆ Want things stable.
 - Double optical notch installed
 - Plans
 - Core Transverse measurements
 - Lens
 - 10mm-2 prep work
 - Recovery: 10mm-1 and 10mm-3



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- Monday
- 3x3x6 c-blocks on top is coffin,
- Have stripline connection to take apart.



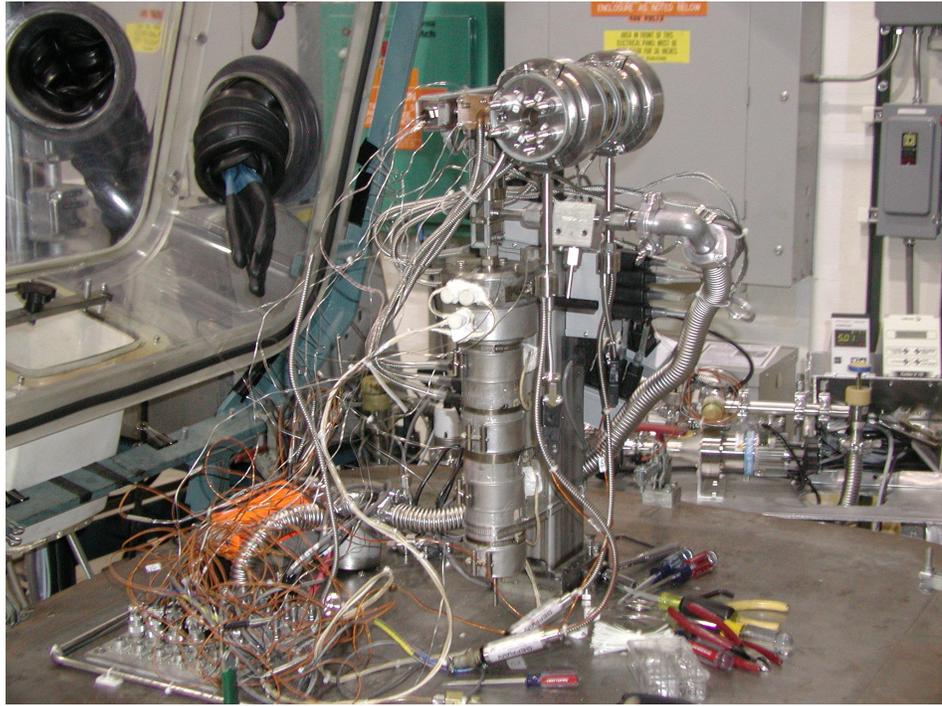
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- This is the setup to get the stripline off.
- Lens should be 50R on lens side. Will be working through 4" of lead. 50mrem/hr, except through holes.
- Radiation
 - ◆ 18 isotopes
 - ◆ Ni , Co, manganese-54, sodium-22,Cu
- Additional steps to recover 10mm-3
 - ◆ Remove the stripline.
 - ◆ Pressure test to verify not a water leak.
 - ◆ Will have to hipot to make sure when the ground fault happened, that it did not damage the lens.
- New: fill 10mm-5next week; ready after testing by mid/late april.
 - ◆ About 50g/100cc to fill.
 - ◆ Using enriched lithium 7 from Oak Ridge.
 - ◆ Lithium 6 - thermal neutron cross section is enormous for lithium 6.

6.



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- Transfers
 - Progress and SDA issues
 - ◆ Good news - speeding things up is going well. 2 minute interruption on three transfers
 - ◆ Bad news- everything gained in time, emittances and ST heating wipes out any gains...
 - ◆ We are only at break even.
- Back burner
 - Debuncher tunes
 - Lens Gradient
 - Proton Spot Size
- Leave calendar
 - Monthly press fill out effort report and time sheet on Friday.
- On-call coverage.
- Electronic Studies List
 - http://www-bd.fnal.gov/cgi-studies/show_studylist.pl
 - Try test entries...