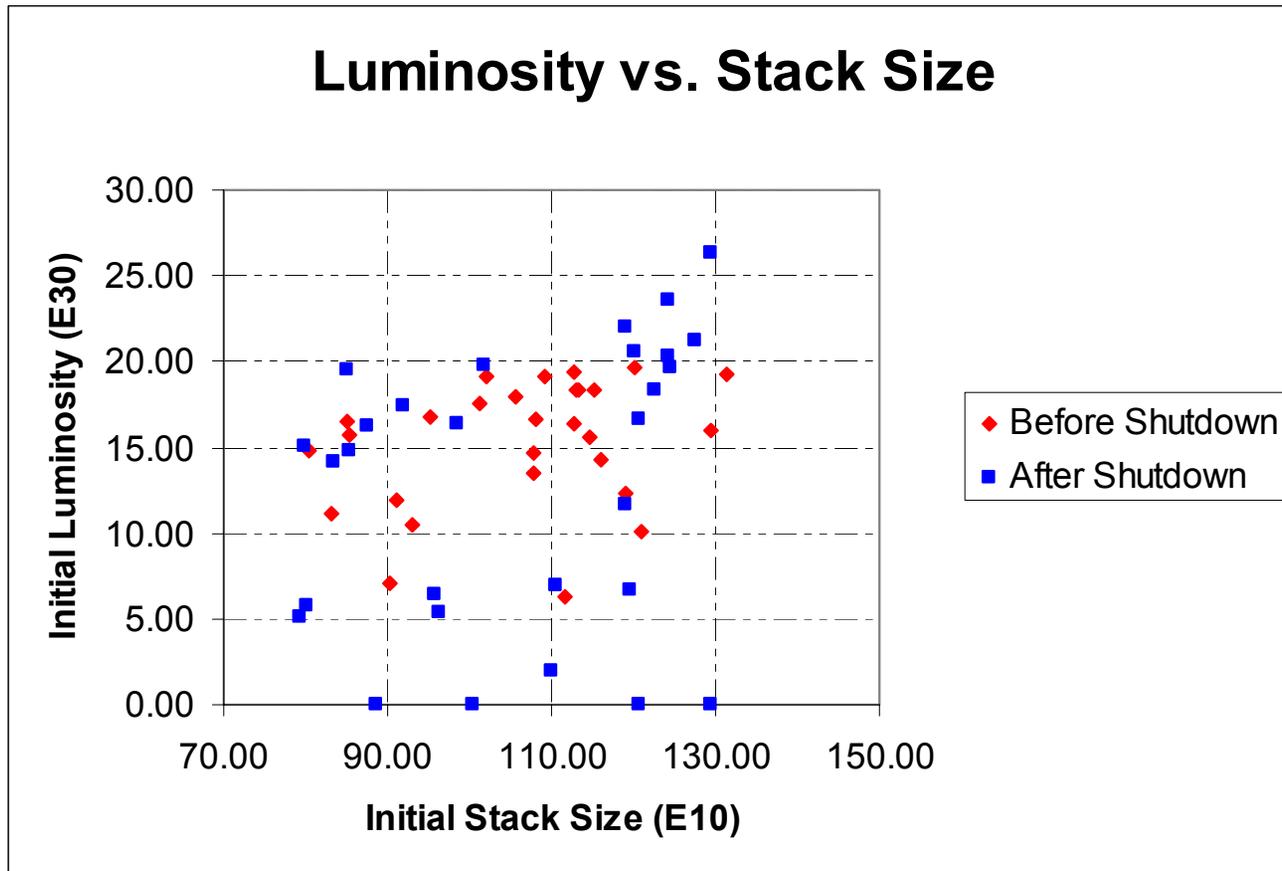


Beams Week in Review



- Pretty Good Week
 - Initial Luminosity record – 2.64 E31 all-time best!
 - Integrated Luminosity for the week – 2nd best of Run II
 - Limited studies
 - Shot Lattice is proving itself

Beams Week in Review

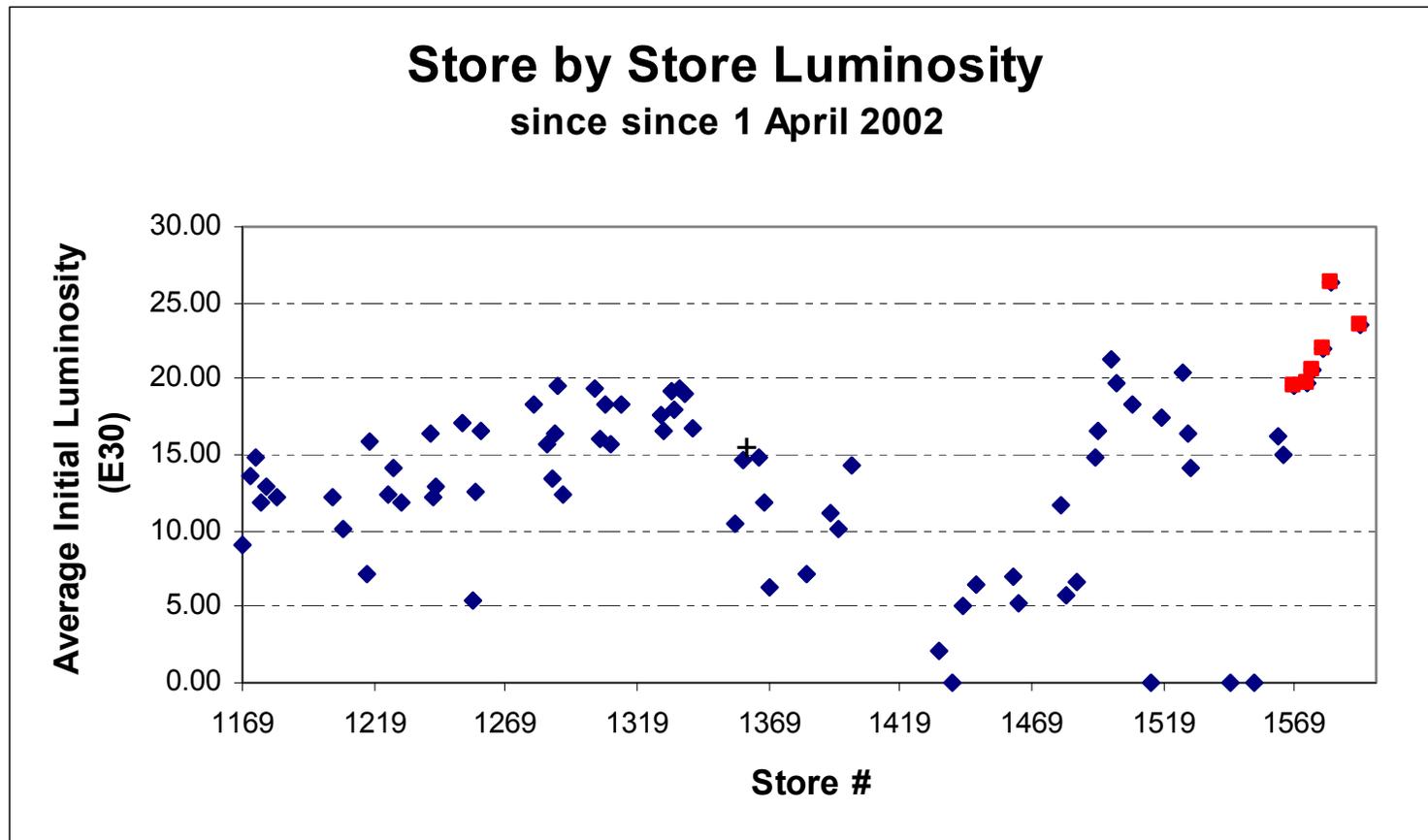


Beams Week in Review

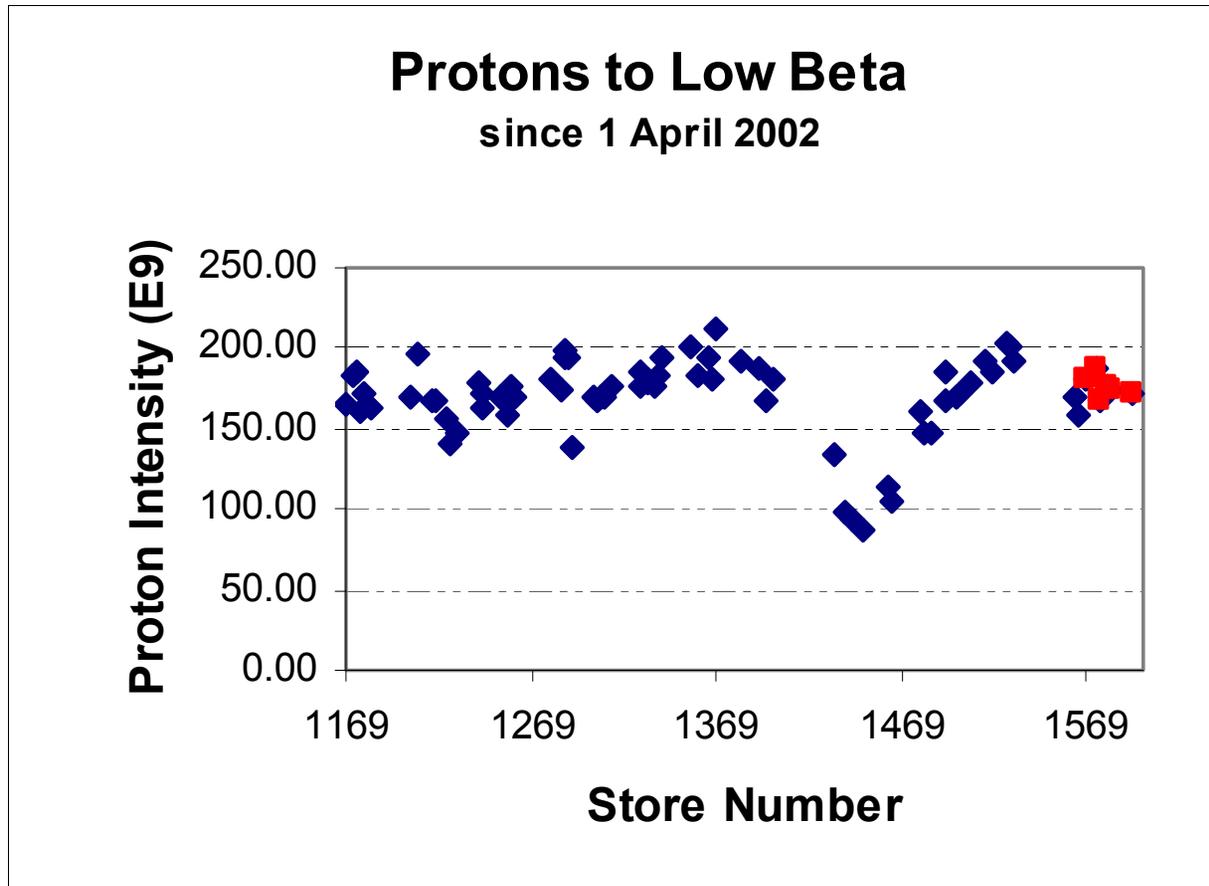


- Room to Improve
 - Efficiency to low beta
 - Lost weekend, again
 - Rapid turnaround

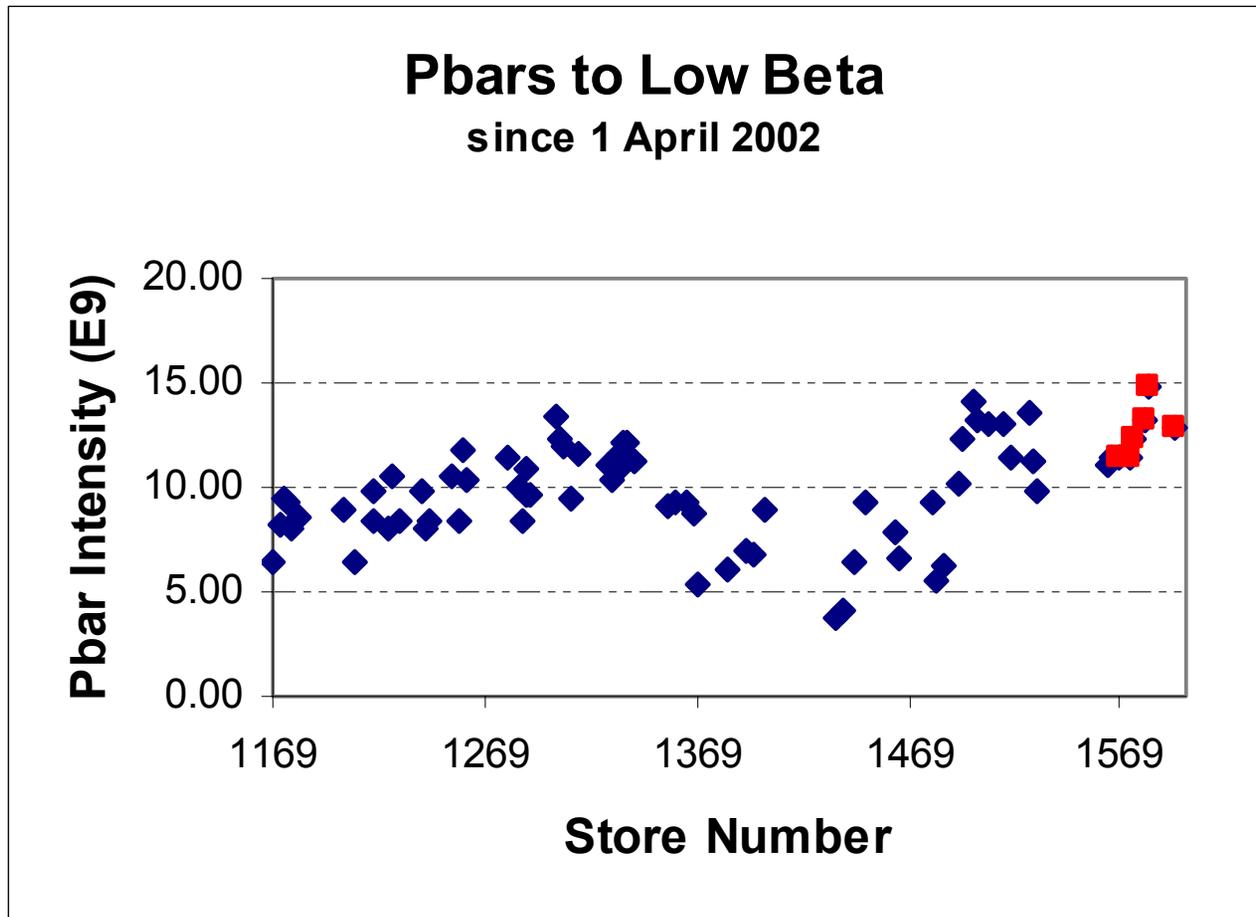
Initial Luminosity



Protons to Collision



Pbars to Collision



Store Summary

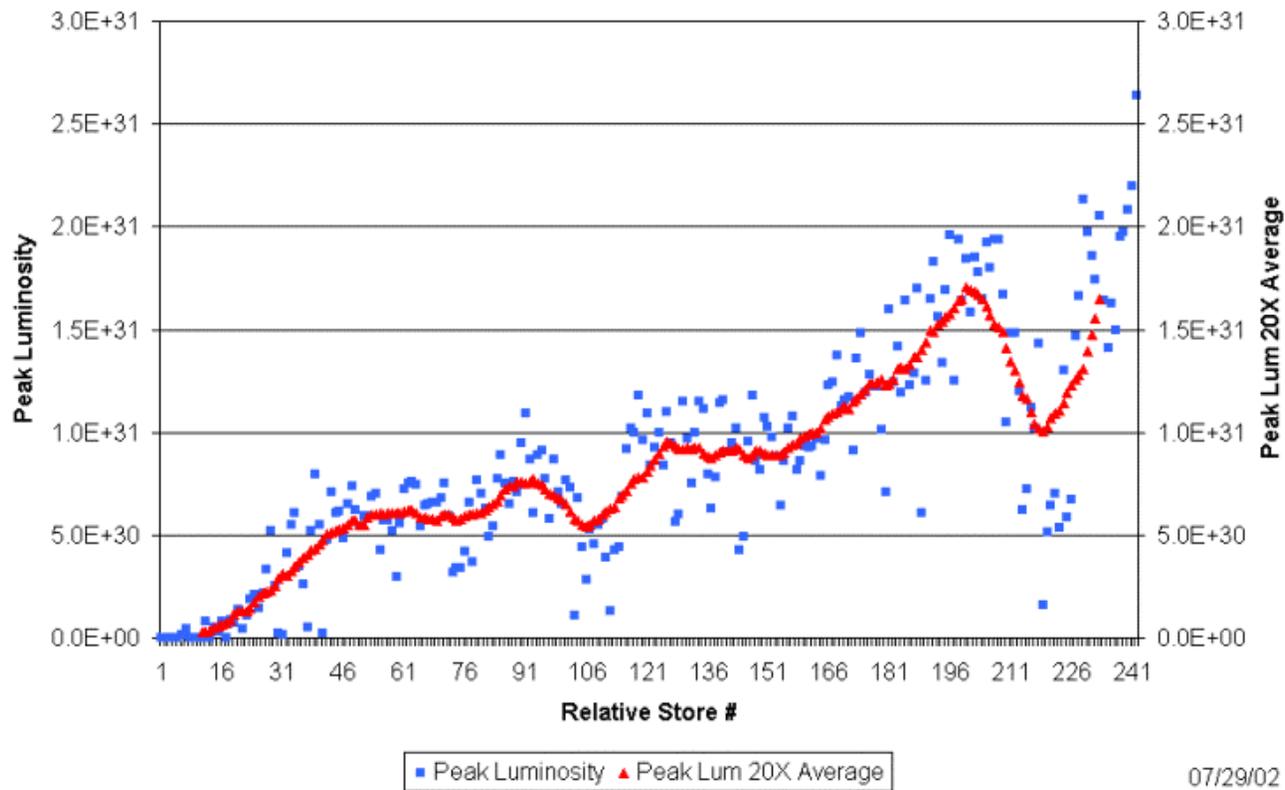


<u>Store #</u>	<u>Initial Luminosity</u>	<u>Duration</u>	<u>Termination</u>	<u>comments</u>
1569	19.50 E30	9.57 hours	CAMAC crate power supply	small vertical emittance
1574	19.73 E30	16.67 hours	intentional	
1576	20.75 E30	17.33 hours	intentional	
1580	21.99 E30	19.90 hours	intentional	short-lived record
1583	26.40 E30	4.53 hours	RF glitch	Tevatron record, high losses early in store
1594	23.70 E30	6+ hours	in progress	

Peak Luminosity



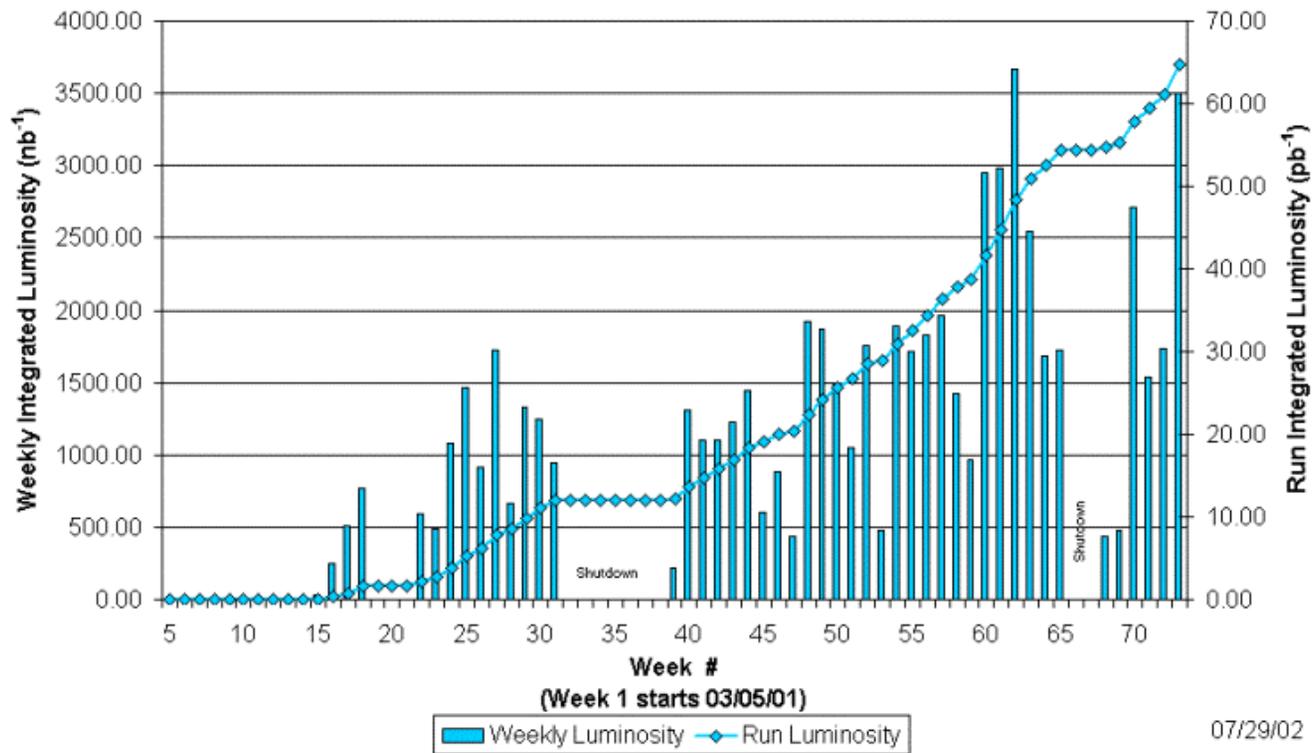
Collider Run IIA Peak Luminosity



Integrated Luminosity



Collider Run IIA Integrated Luminosity

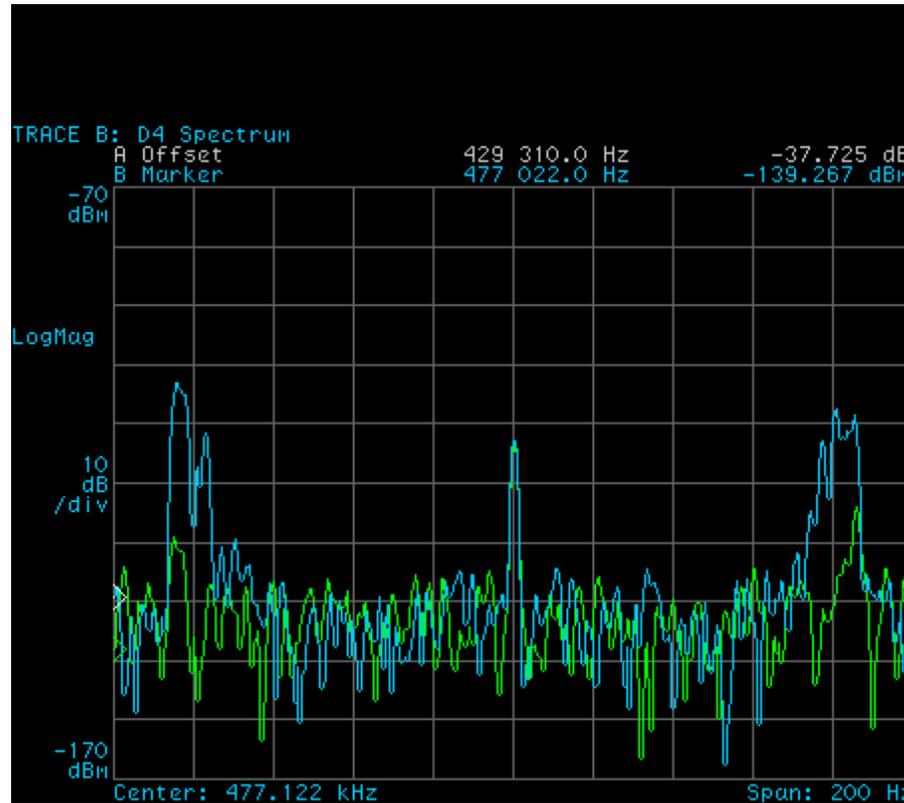


Tevatron Summary



- Stable proton intensity
- RF glitch Friday
- Ad hoc studies while Pbar stack was being built
 - Orbit data up ramp and through squeeze
 - E48 bumper magnet timing
 - Longitudinal damper at 150 GeV
 - Tunes, coupling at 980 GeV

Tevatron Summary



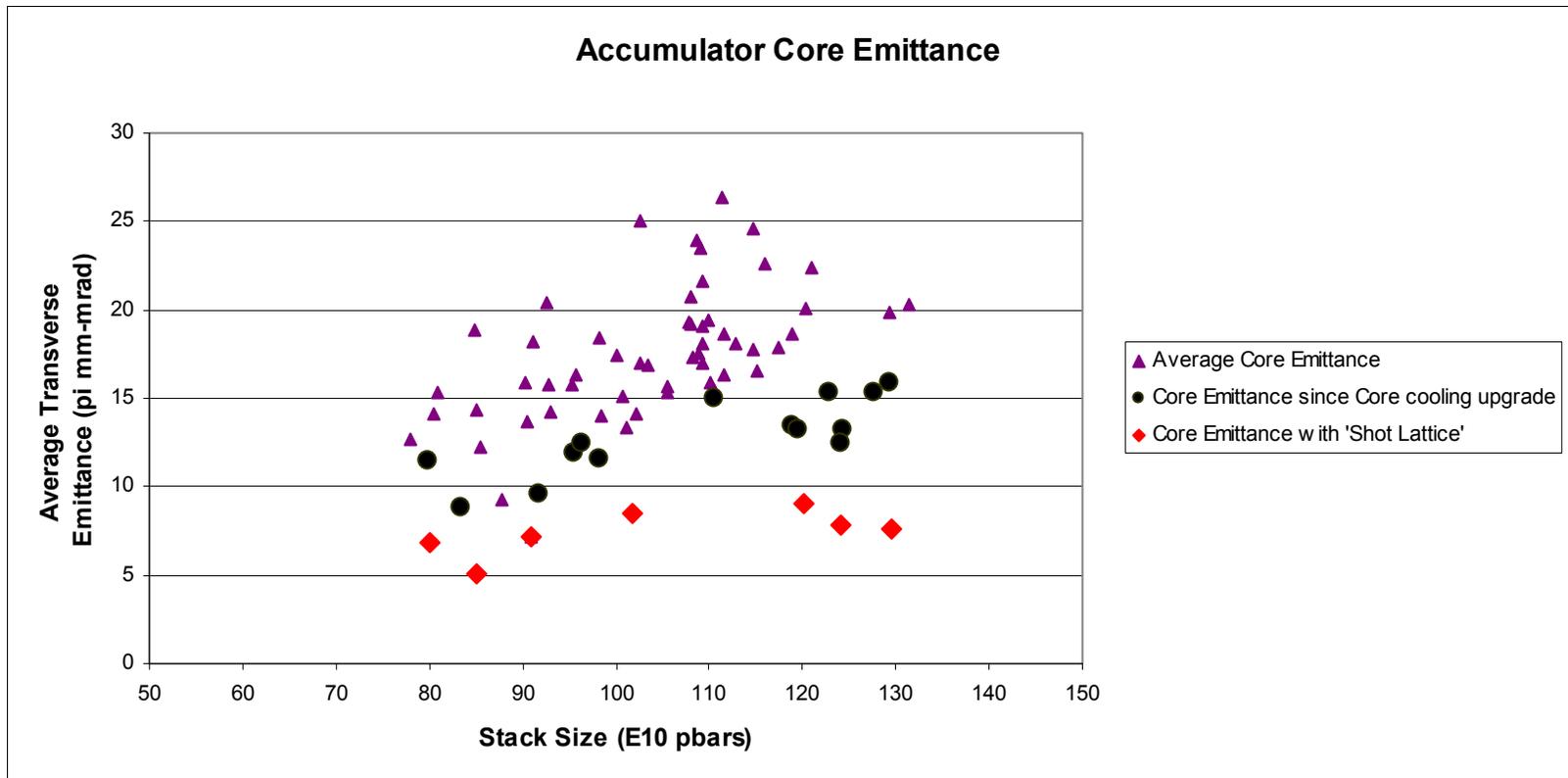
Longitudinal Damper at 150 GeV – mode 10

Pbar Summary

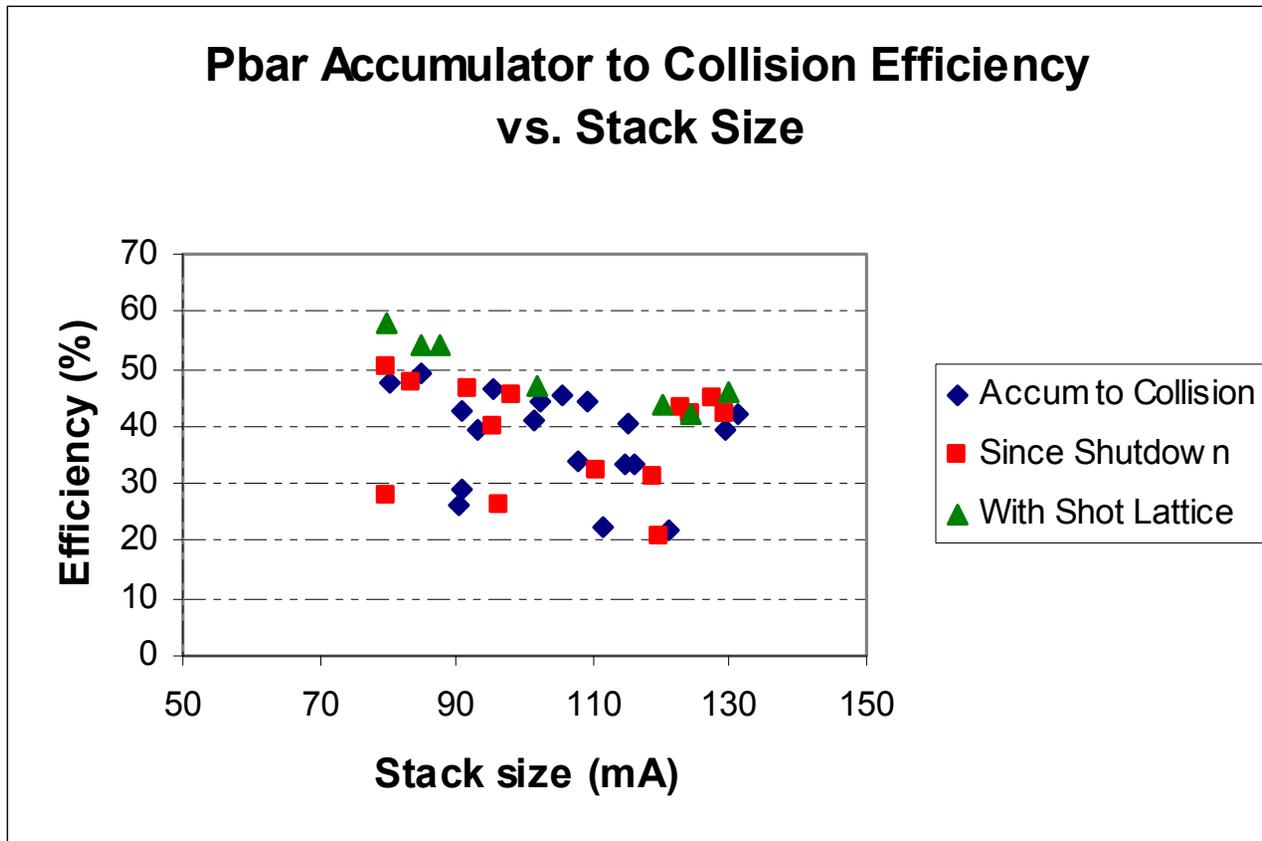


- Shot lattice put into operation
 - Minimal impact on shot set up time
 - Optimize emittances
 - Sunday's shot w/o expert presence
- Try to stack to bigger stacks

Pbar Summary – Shot Lattice



Pbar Summary – Shot Lattice



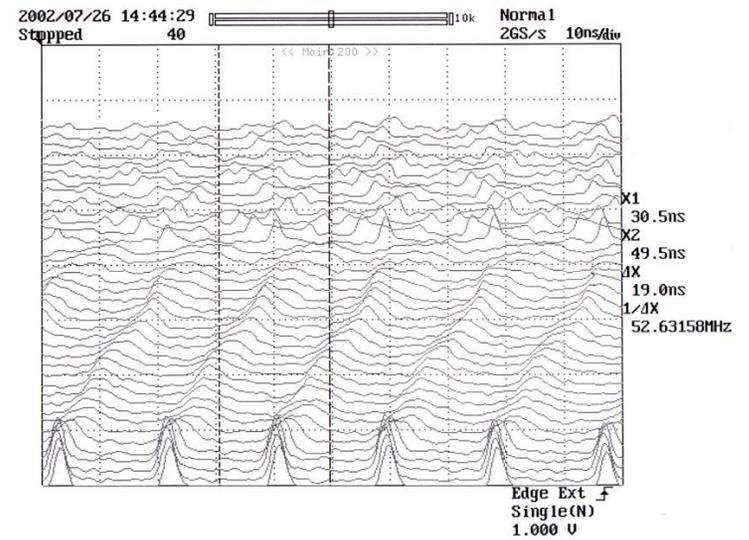
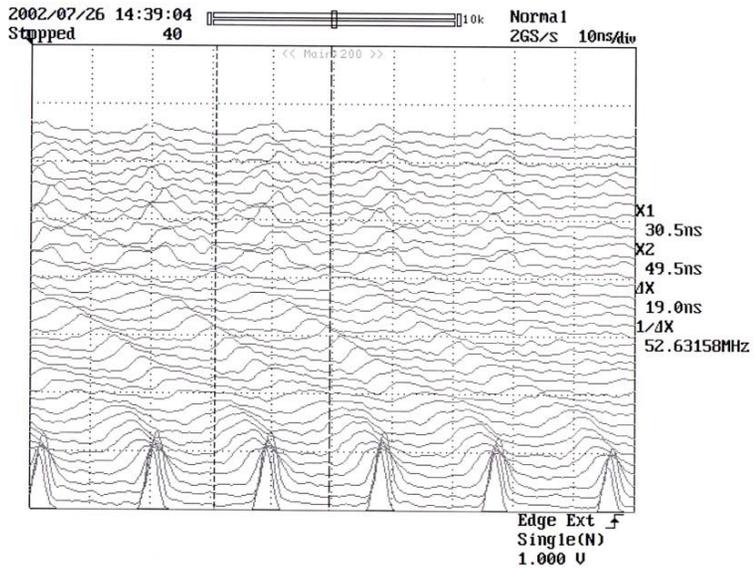
MI Summary



- Low Emittance (8 GeV) proton Coalescing
- Pbar feedforward compensation
- 150 GeV Longitudinal emittance

MI Summary

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Schedule for this Week



- Collider operation
- Limited-focus studies
 - Tevatron orbit smoothing at 980 GeV
 - Tune drift measurements
 - Parasitic shot set-up
 - Pbar revert to stacking lattice
 - Pbar cooling
 - MI pbar feedforward compensation
 - MI 8 GeV coalescing
- 4-hour access on Tuesday

Schedule for this Week

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Update 7/29/02 11:46 AM	MONDAY 7/29/02	TUESDAY 7/30/02	WEDNESDAY 7/31/02	THURSDAY 8/1/02	FRIDAY 8/2/02	SATURDAY 8/3/02	SUNDAY 8/4/02
Owls 0000 to 0800		Tev Store 0730 mini boone breaker test 0730 Rackout	Tev -Parse squeeze Pbar -Stack	Stack and store -8gev coel. Parasitic studies	Stack and store -8gev coel. Parasitic studies	Stack and store -8gev coel. Parasitic studies	Stack and store -8gev coel. Parasitic studies
DAYS 0800 to 1600	Shot set up(A1 lattice measurement) Pbar feed forward	NTF-PT Access 4 hrs 0900 SY feeder 48 over to Kautz rd -0930 Controls upgrade 1 hr Tev start up Safety system tests	NTF-PT Tev -Parse squeeze Pbar stack SHOT	Tev -Tune drift Pbar Debuncher momentum cooling	NTF-FT Stack and store	Stack and store	Stack and store
EVES 1600 to 2400	Tev Store Pbar -up-Ramp -ARF1 studies	Tev -1600-2000 move beam across FO 2000 Parse squeeze Pbar -Quad BPM with reverse protons -phase stack tail -Stack	Stack and store	Stack and store	Stack and store	Stack and store	Stack and store

Schedule can be found at <http://www-bd.fnal.gov/operations/schedules.html>

Changing of the Guard



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- Dave Johnson takes over 1 August
- Thanks for your
 - patience
 - cooperation
 - competence
 - communication
 - confidence