

# The Story So Far

## February 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11 4K Wave	12	13	14	15 Cold in both rings	16
17	18 PP12 lattice test evening	19	20	21	22	23
24	25	26	27	28	29	30
PS gave us e-lens		First Collisions			Overnight Stores 109x109	
					Start Physics	

## March 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11 6 hour stores with tune between				15 PA Maintenance	16
17	18	19	20 PA Maintenance	21	22	23
24	25 8hr Stores		27 APEX	28	29	30
31						

# Past week Problems

- PS supply issues:
  - Rotator
  - Main dipole
  - Trim quads
- Loosing beam in yellow on accramp due to tune swing crossing 7/10<sup>th</sup>
- Problems getting through rotator ramp with higher intensity
  - Maybe col not optimized
- Various RF issues
  - Bouncer Cavities
  - AGS RF
- Jet repairs
- Pol. Lifetime at injection remains problem

# Past Week studies and developments

- Compared Non-phase Shifter Ramp with current Ramp
  - Concluded existing ramp better for Polarization TM efficiency
- GammaT quads in blue polarity flipped and tested at injection
- Tested not tune swinging across 7/10<sup>th</sup> took more beam to FT but too much so we lost on rotator ramp
- Finished applying tune bumps on Ramp

# Future Plans

- Move yellow injection to 0.73 and 0.725 at in 2009 ramp and swing down after 100 GeV
  - Should reduce beam losses on ramp hope provide better pol lifetime at injection.
- Study and correct 3Qy res. To make more room below 0.7 for Blue at injection. (Thursday)
- APEX on Weds.