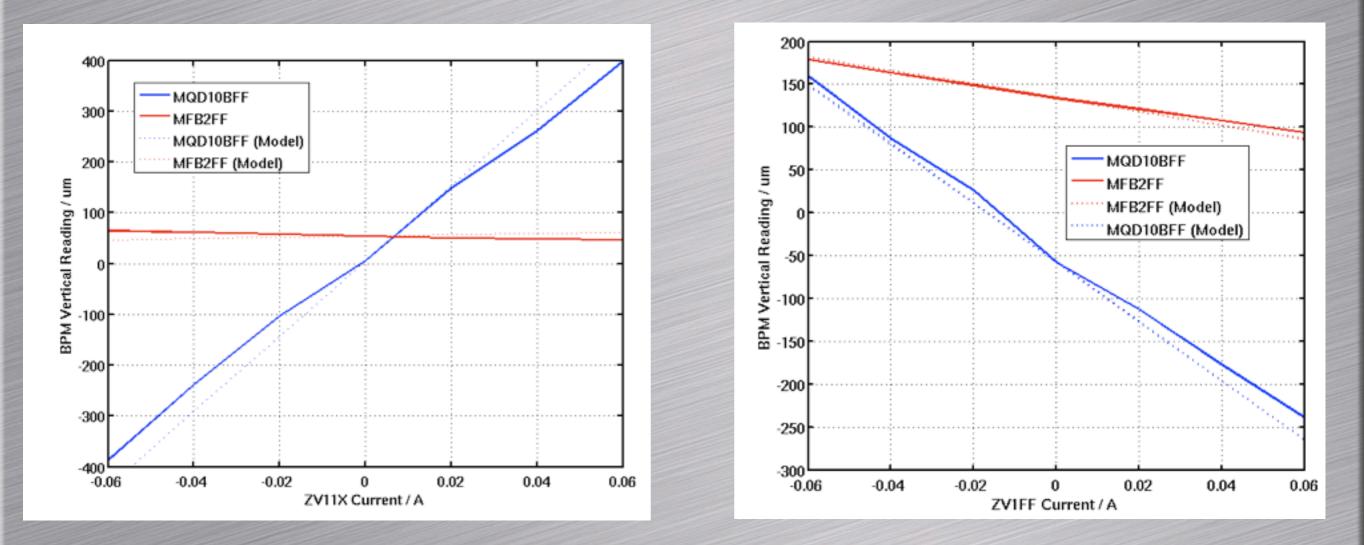
ATF2 Shift Summary Dec 15 & 17 2009

Glen White, SLAC Dec 17 2009 ATF2 9th Annual Collaboration Meeting

Summary

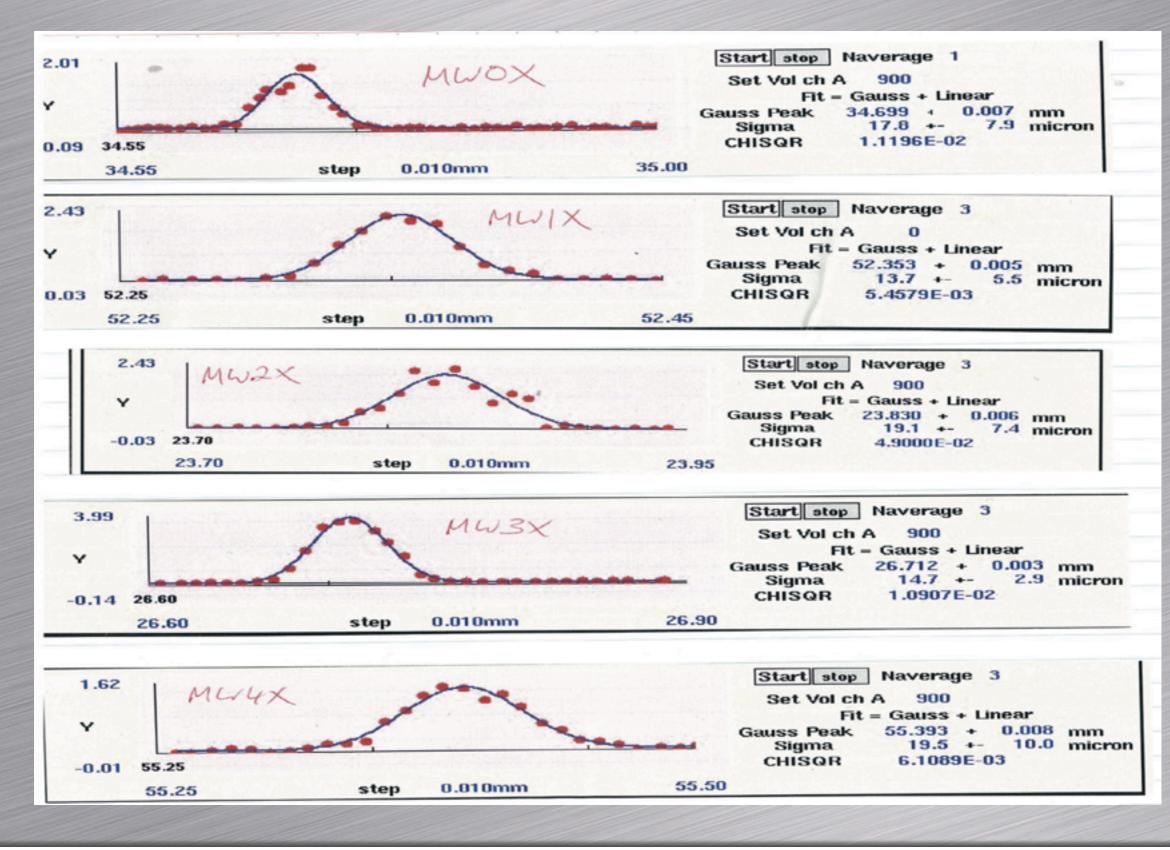
 Analysis of FFS FB corrector scans • EXT and FFS corrector scans for model optimisation. • EXT and FFS automated steering. • Find EXT vertical wirescanner wires. • Emittance & dispersion determination.

FFS Vertical Feedback Devices

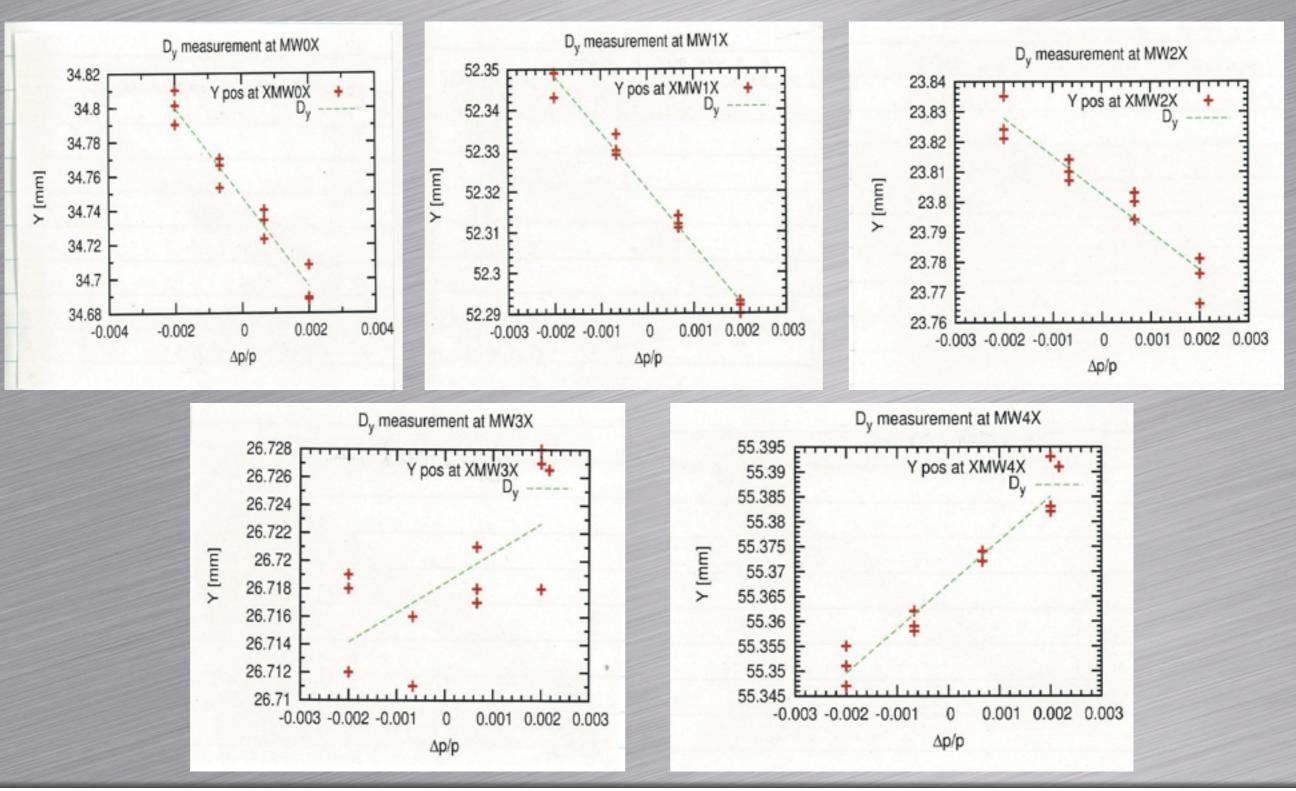


- Vertical feedback correctors and bpms
 - ZV11X / ZV1FF MQD10BFF / MFB2FF
- Excellent model agreement and enough orthogonality.

Wirescanner Locations

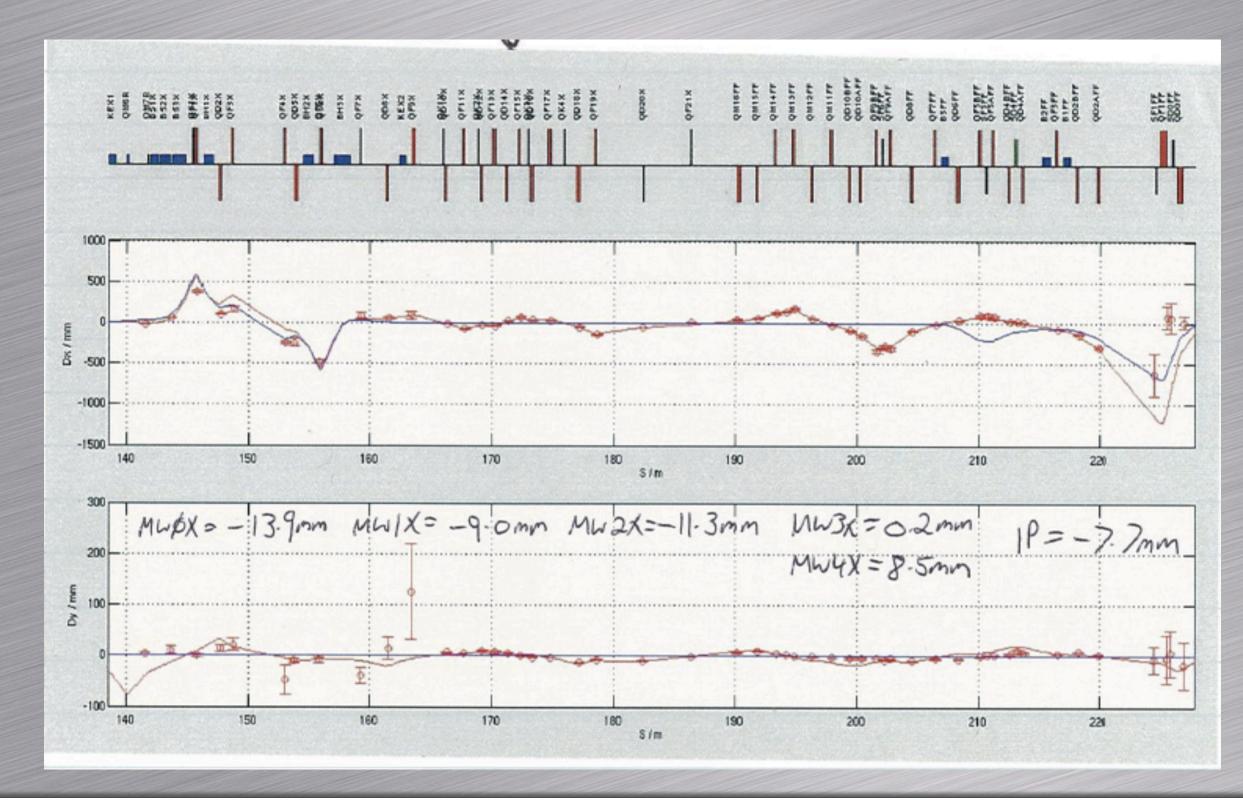


MW*XY Dispersion



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Model Dispersion Measurement and Fit

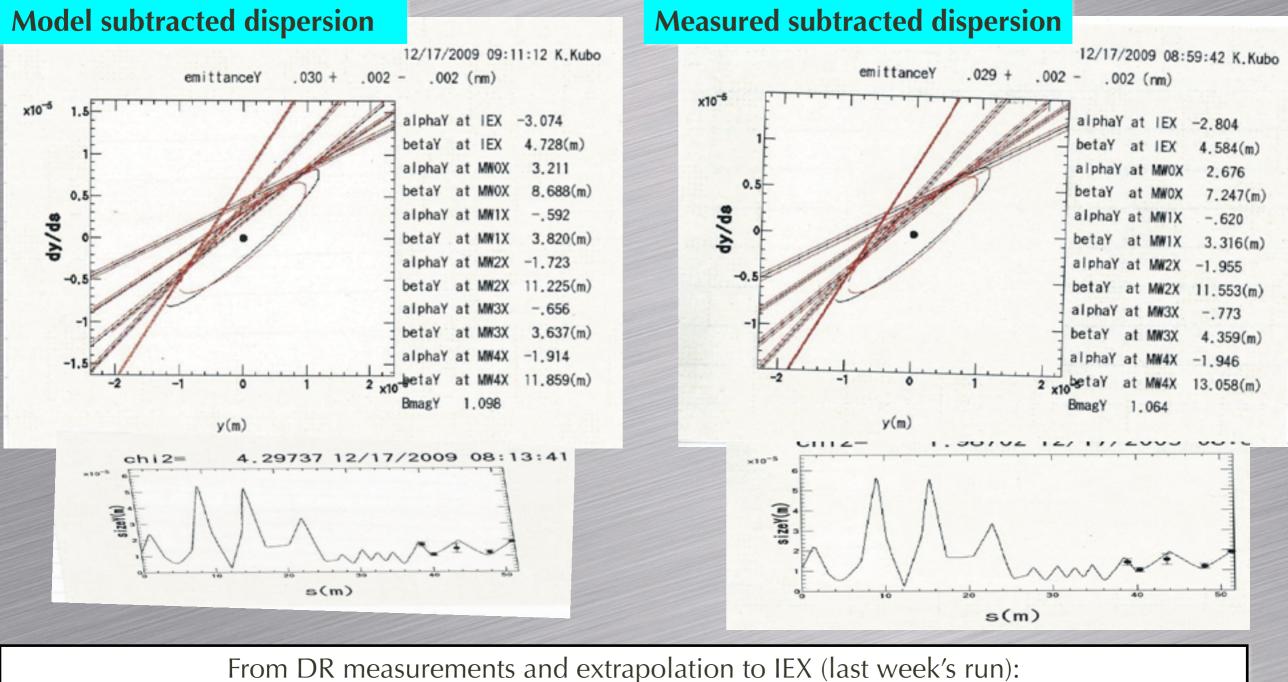


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Dispersion on WS's

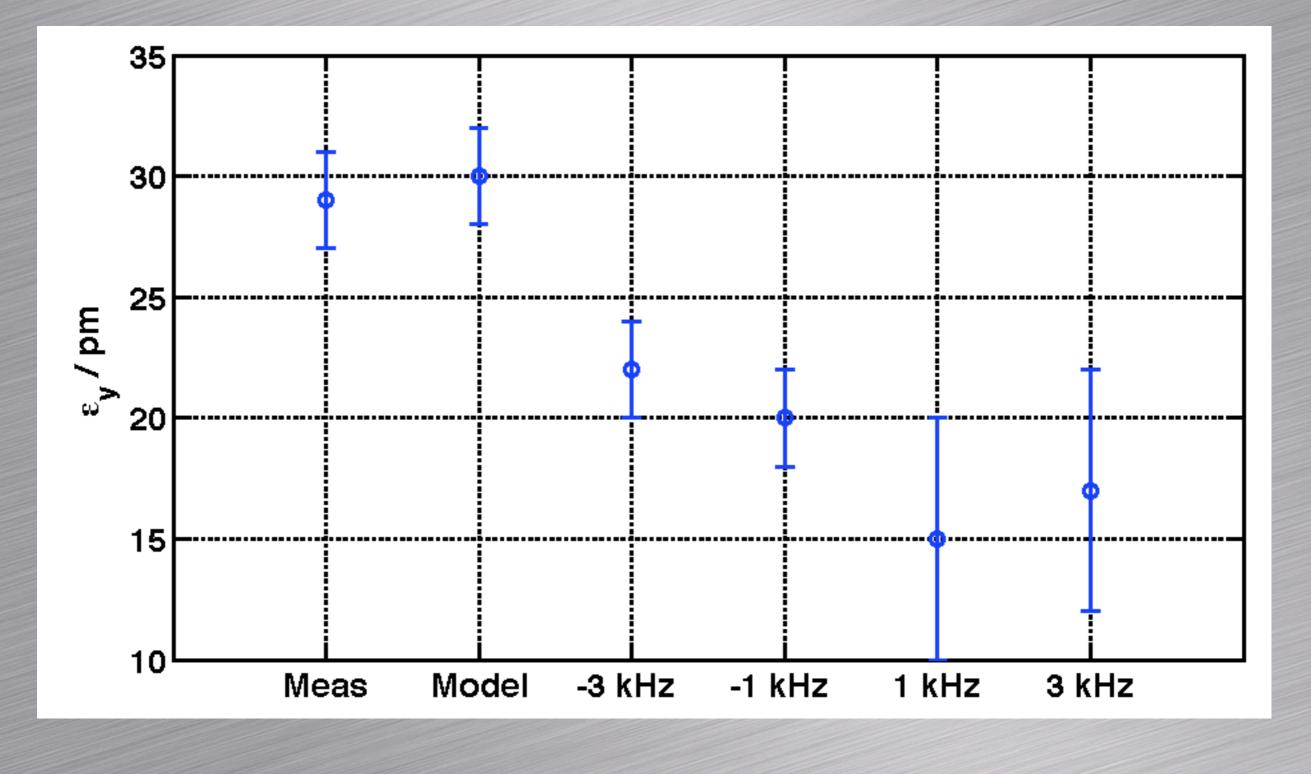
Wirescanner	Measured eta_y (mm)	Model Fit eta_y (mm)
MWOX	-18.2 +/- 1.2	-13.9
MW1X	-9.8 +/- 0.35	-9.0
MW2X	-8.9 +/- 0.8	-11.3
MW3X	1.5 +/- 0.56	0.2
MW4X	6.2 +/- 0.5	8.5

Vertical Emittance and Twiss

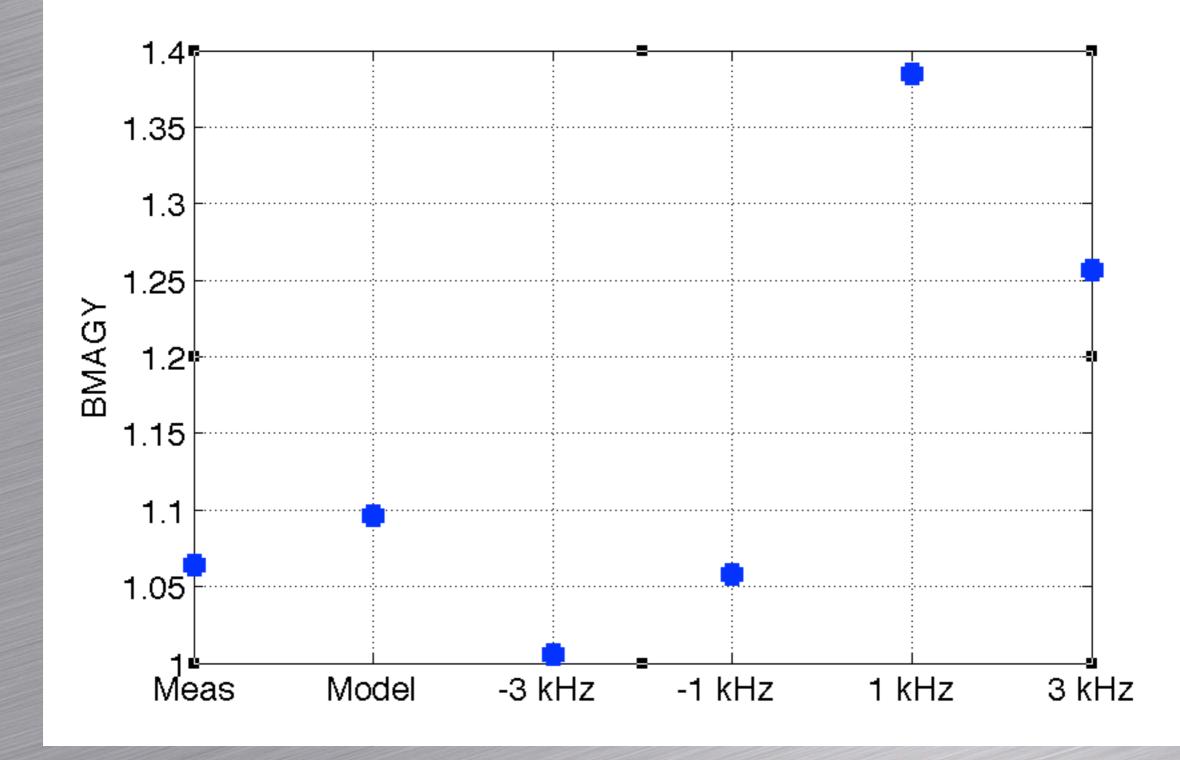


om DR measurements and extrapolation to IEX (last week's run) alpha_y = -3.48 beta_y = 4.71m BMAGY = 1.046

Vertical Emittance with DR Freq Ramp on



BMAGY



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epsilon_y * BMAGY

