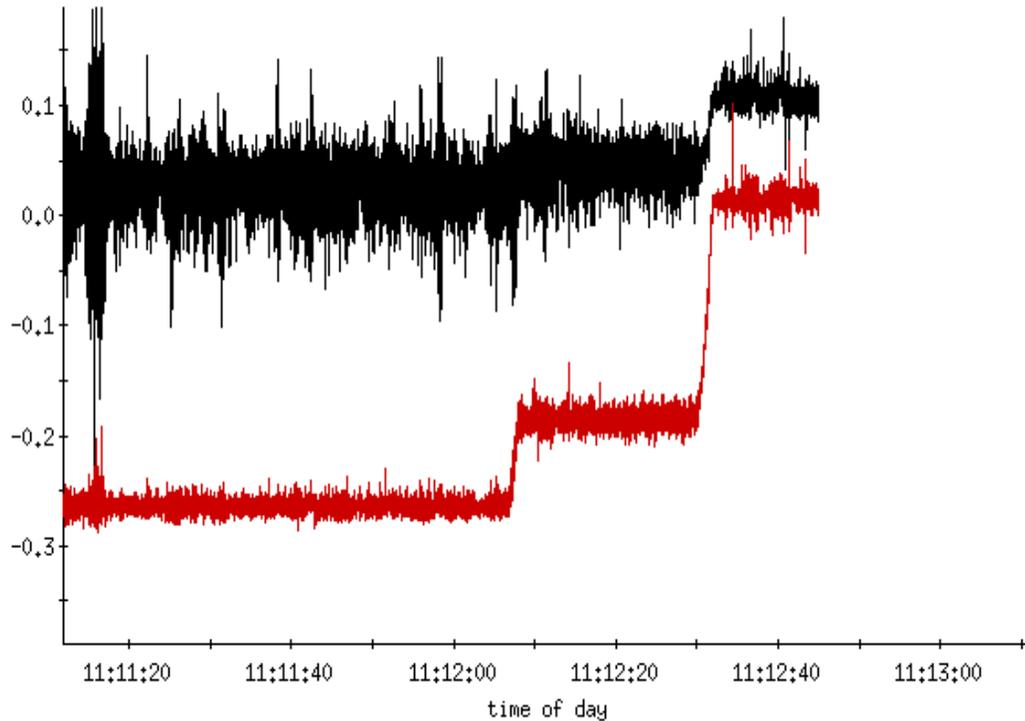


- dAu82 ramp: Lower blue beta* from ~1m to ~0.75m
- Copied dAu81 settings in yellow, early blue to dAu82 (octupoles)
- First ramp without feedbacks or replay in blue, normal yellow
 - Blue horz tune walked into 0.25 at store stone, pulled permit
- Next ramp with feedback had 75% blue efficiency (6 bunches)
 - Large decoupling at store, but it worked
 - Rebucketing worked well after morning RF repairs
- 12-bunch replay ramp: 85% blue efficiency (98% yellow efficiency!)
 - Vert chrom changed from -2 to +2
 - Dispersion measurement looked good; orbit correction helped
 - Rates of about 8 kHz produced at both experiments
 - Parasitic quad-tweak optics measurement in yellow ring (VP/VL)
 - Attempt to measure optics killed the beam
- Moved directly into 87x87 ramp
 - early physics and collimator setup

Blue dAu82 store decoupling

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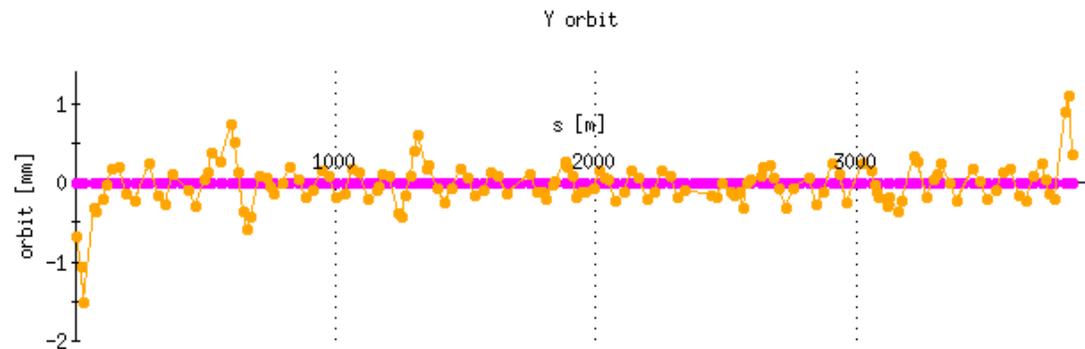
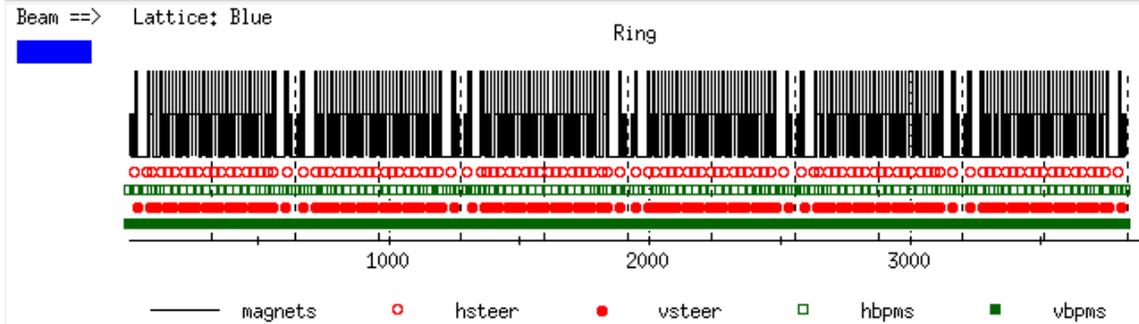
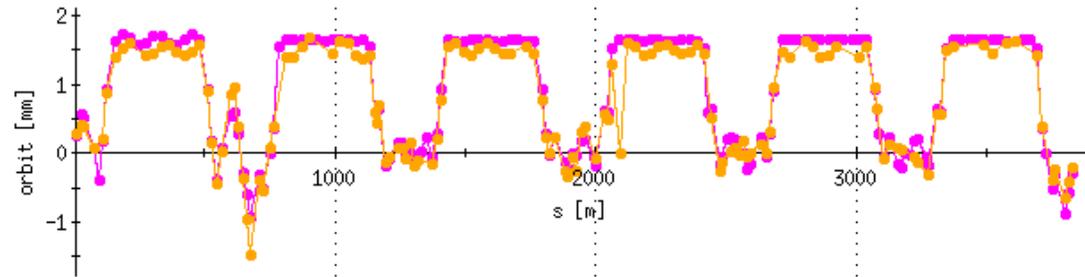


- Decoupling at store worked great with BBQ
- Rather large changes
 - 0.3-0.4 m⁻¹ in skew families 1/3
- Can probably reduce some strengths to avoid corrector fighting
 - family 1/3: -0.56 m⁻¹
 - family 2: 0.15 m⁻¹

— qLoopCoupling2.bf2;deltaStrengthBuffM[*] — qLoopCoupling2.bf13;deltaStrengthBuffM[*]

Blue	Yellow	Green			
Family	Design	Trim	BDesign	BTrim	
b-sq3	-0.000	-0.600	-0.000	-0.280	
b-sq1	-0.000	-1.200	-0.000	-0.840	
b-sq2	-0.000	0.434	-0.000	0.434	

Blue dAu82 store dispersion

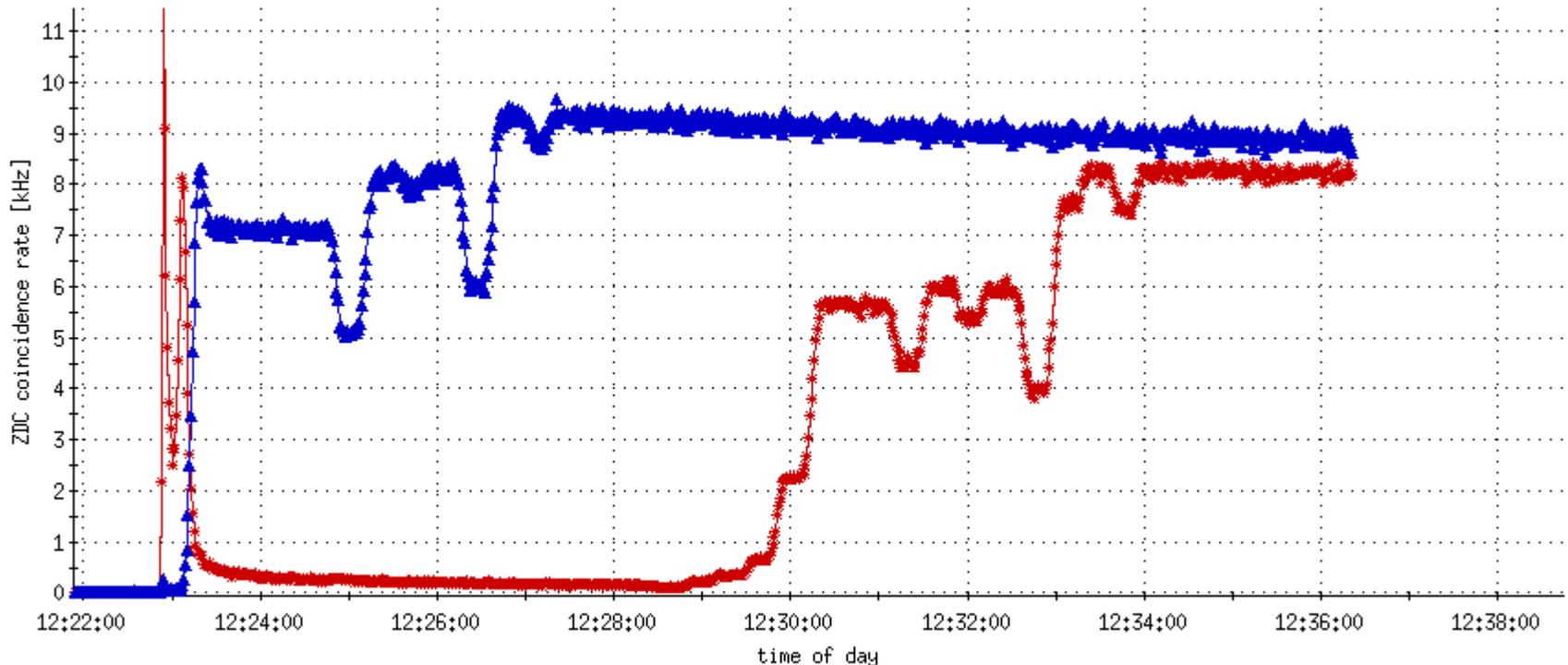


➤ dAu82 blue dispersion at store looked good!

Blue dAu82 store 12x12 rates

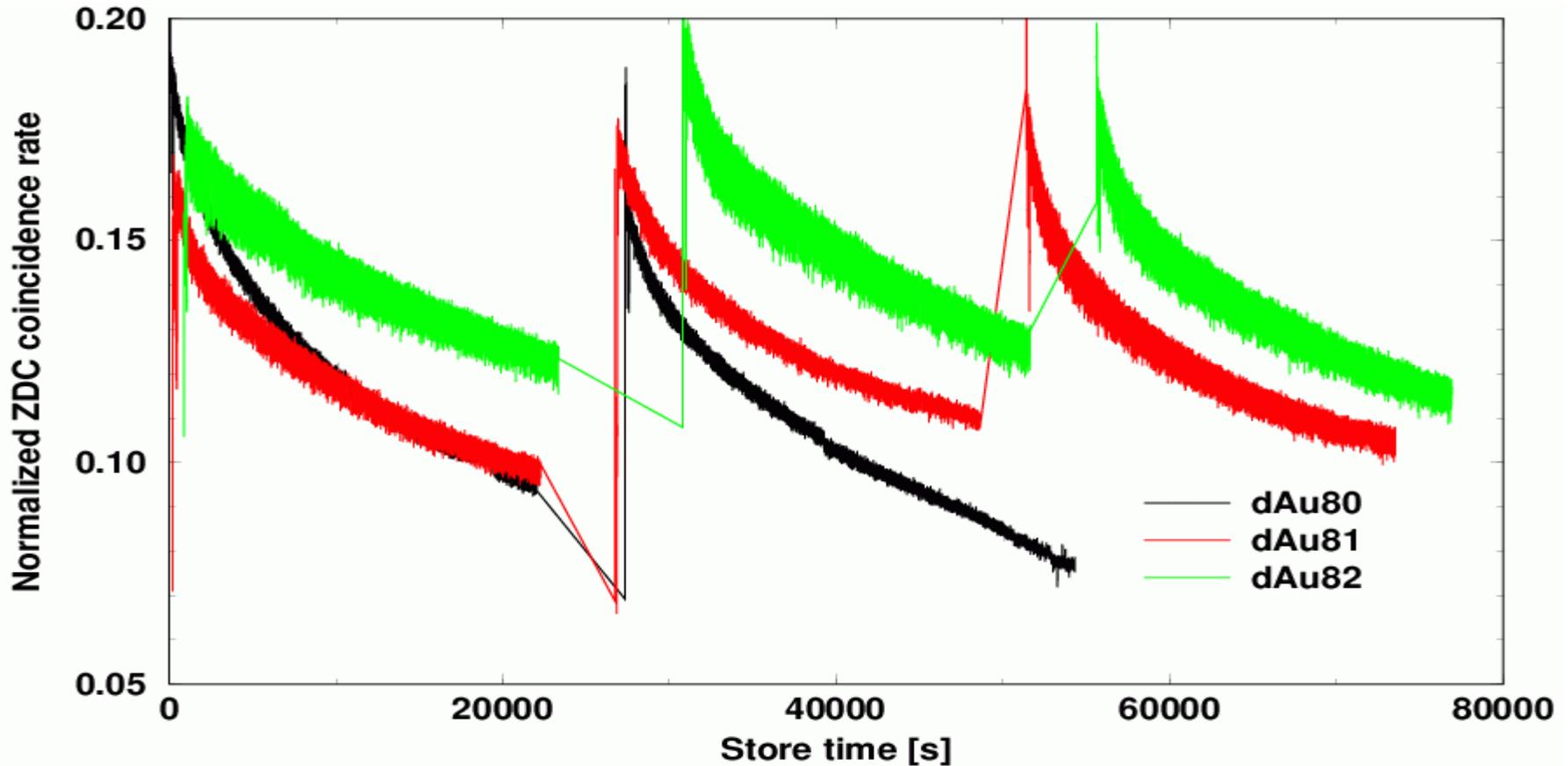
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Experimental Coincidence Signals



- dAu82 12x12 bunch rates peaked at over 9 kHz
 - Extrapolates to only 65 kHz with 87 bunches

dAu80/81/82 normalized rates



- On average, we have gained about 20% increased normalized lumi with each step
 - Luminosity ratios are typically about 1.45 : 1.2 : 1 (PHENIX)