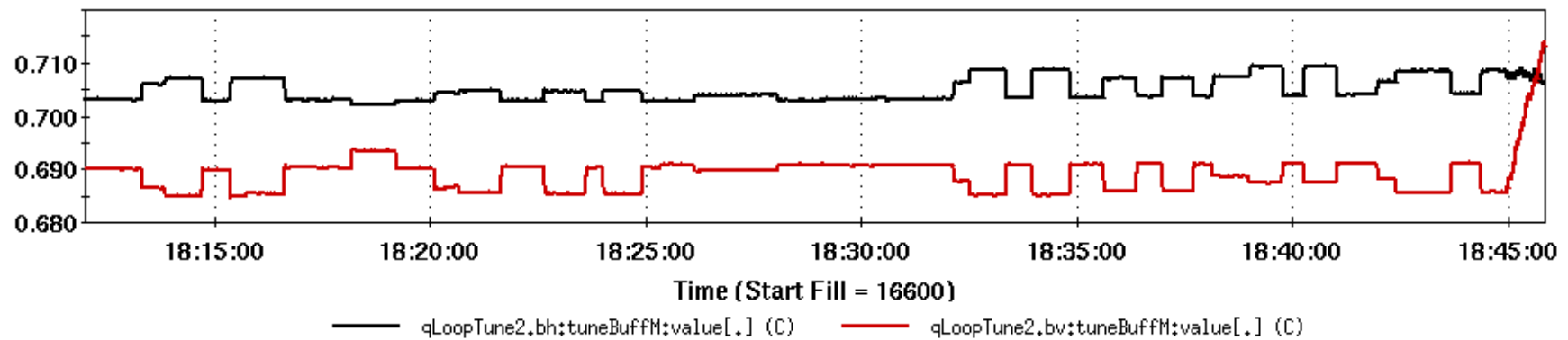
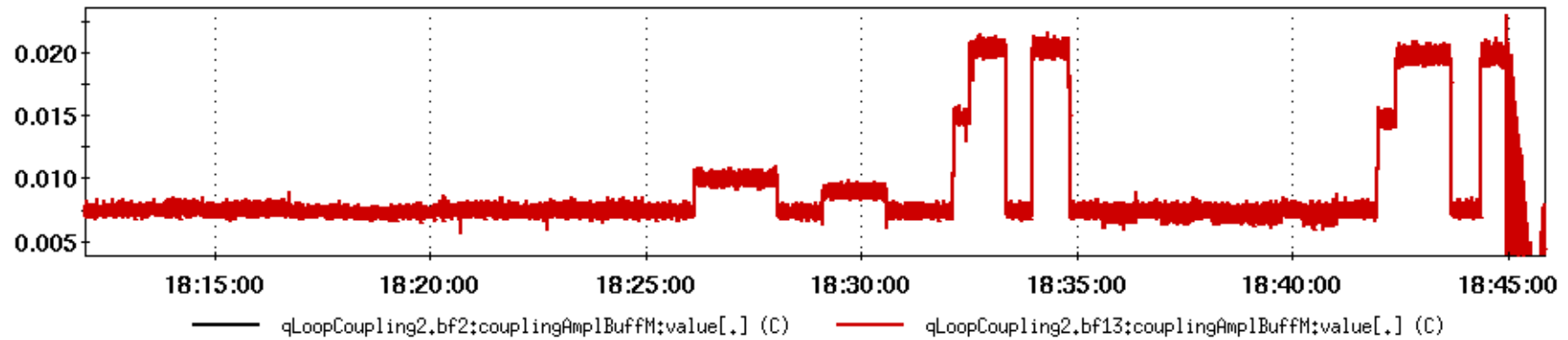
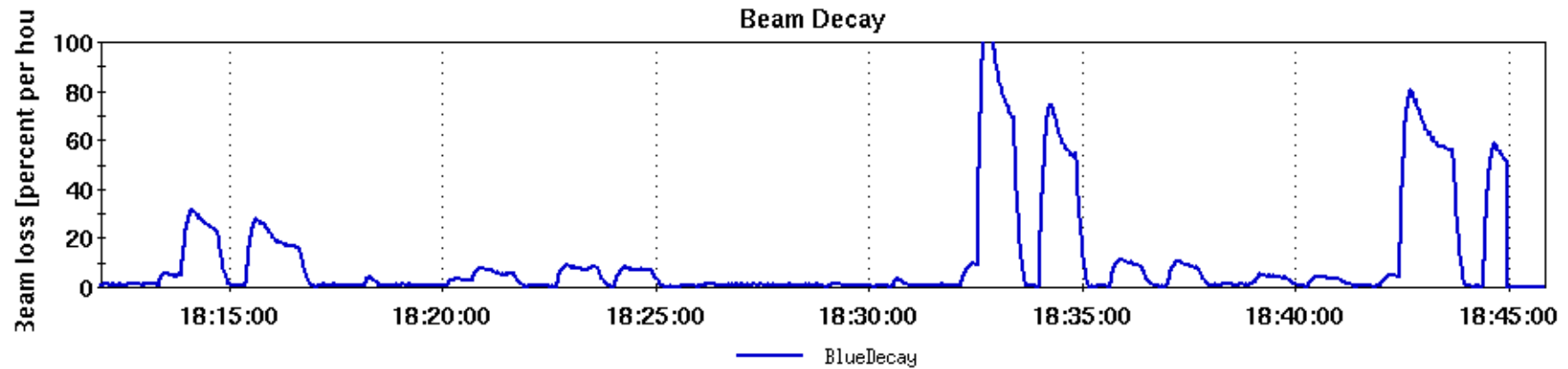
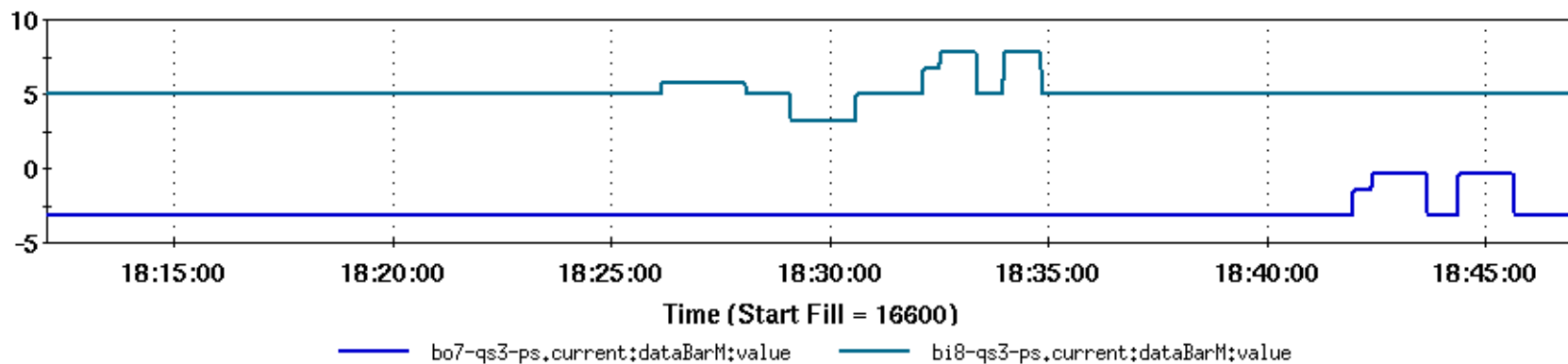
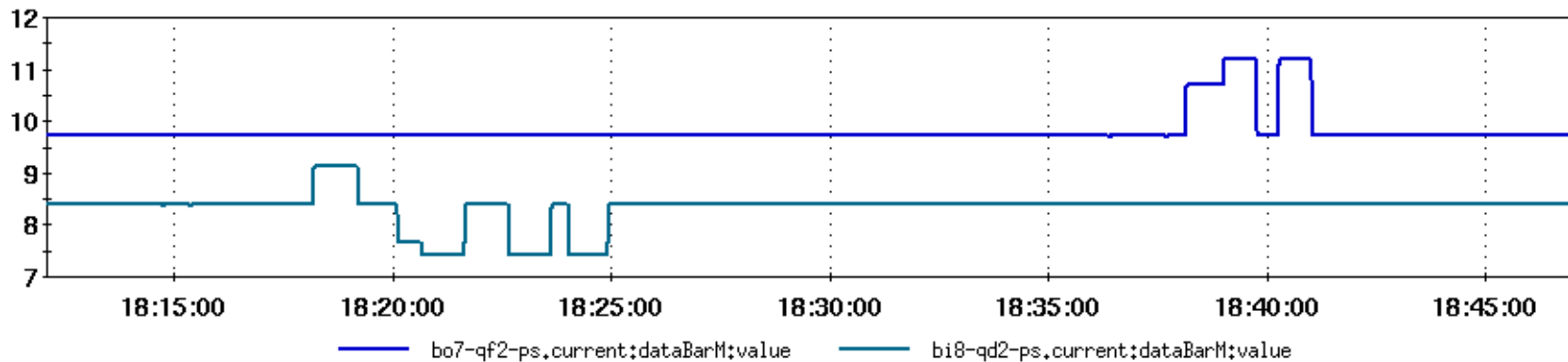
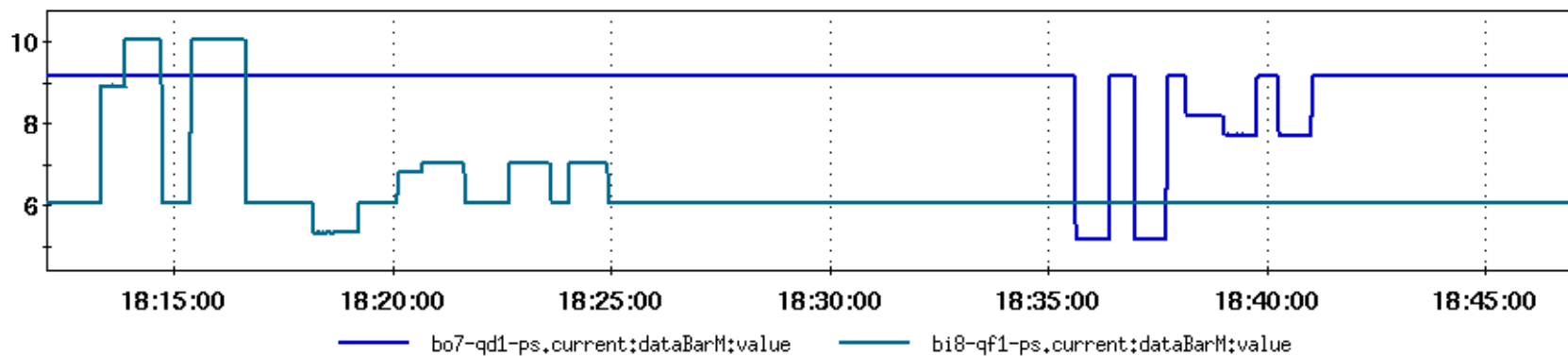


File Window Markers Analysis



File Window Markers Analysis



Time (Start Fill = 16600)

Beam lines Measurements/Solver

Measured Base Tunes

Qx	Qy	ΔQ_{min}
0.70317	0.690132	0.00732637

Measured Tweak Tunes

Quadrupole	ΔKL	Qx	Qy	ΔQ_{min}
q1b	0.0007	0.7071	0.685093	0.00753923
q2b	0.0004	0.704683	0.684978	0.00746582
q3b	0.0008	0.708729	0.684463	0.02034325
q3e	0.0008	0.708137	0.684597	0.0197984
q2e	0.0006	0.70894	0.686791	0.00710614
q1e	0.0007	0.706726	0.685139	0.00716887

Solve

Evaluate

Method: Q1 - Q2 - Q3

Model Base Tunes

Qx	Qy	ΔQ_{min}
0.70317	0.690132	0.0073339757837

Model Twiss Parameters and Coupling

α_x	β_x	Couple ₁₁	Couple ₁₂
-0.599746979333	12.3349285014	-0.325164489287	3.40500970515
α_y	β_y	Couple ₂₁	Couple ₂₂
0.484258386687	11.8733372712	-0.0038822686973	-0.250543966722

Model Beam Transfer Matrix

-0.880943090486	11.7391699291	0.0421794224103	0.835198580649
-0.106900073792	0.287535679126	0.00386744076403	0.0382774124229
0.00766805809675	0.354073555681	0.08359304696	11.1844130773
0.00441600208563	-0.0067777693512	-0.0955706216988	-0.804920405323

Model and Measurement Differences

Device	ΔQ_x	ΔQ_y	$10 * \Delta(\Delta Q_{min})$
Base	0.0	0.0	7.60578369588e-05
q1b	0.00820758273644	0.0061008442211	0.000933400471892
q2b	0.00358810393412	0.00751564771572	0.00109290892841
q3b	0.00079683981684	0.000433544811539	0.000168766166514
q3e	0.000568824070094	0.000494379098153	0.000244634595513
q2e	0.00905924862863	0.00556548488263	0.00209357391919
q1e	0.00516022263161	0.00897528001072	0.000547674036232
Penalty (sum of the squares)			0.000402406005771

Open

Save

Quit

Beam lines Measurements/Solver

Measured Base Tunes

Qx	Qy	ΔQ_{min}
0.70317	0.690132	0.00732637

Measured Tweak Tunes

Quadrupole	ΔKL	Qx	Qy	ΔQ_{min}
q1b	0.0007	0.7071	0.685093	0.00753923
q2b	0.0004	0.704683	0.684978	0.00746582
q3b	0.0008	0.708729	0.684463	0.02034325
q3e	0.0008	0.708137	0.684597	0.0197984
q2e	0.0006	0.70894	0.686791	0.00710614
q1e	0.0007	0.706726	0.685139	0.00716887

Solve

Evaluate

Method: Q1 - Q2 - Q3 ▾

Model Base Tunes

Qx	Qy	ΔQ_{min}
0.70317	0.690132	0.00735032499324

Model Twiss Parameters and Coupling

α_x	β_x	Couple ₁₁	Couple ₁₂
0.124800217686	9.15060219734	-0.0265544764809	16.2178598732
α_y	β_y	Couple ₂₁	Couple ₂₂
0.0551769323715	6.55978236968	-0.00564972311011	-0.134526733709

Model Beam Transfer Matrix

-0.243496965191	42.0468069321	2.0786620978	3.13673510312
-0.0972655314807	-0.34997644363	-0.00911655006142	-1.54114486968
1.54489524248	0.846235397715	-0.112985529503	31.1784980033
-0.00831862177615	-2.05966246121	-0.13169963665	-0.608275831398

Model and Measurement Differences

Device	ΔQ_x	ΔQ_y	$10 * \Delta(\Delta Q_{min})$
Base	0.0	0.0	0.000239549932367
q1b	0.0140070274695	0.0157115624838	0.000428419086058
q2b	0.00240913312803	0.00980806030316	0.00189973268289
q3b	0.00633087709547	0.00506731679422	0.00103872599185
q3e	0.00654069621883	0.00795436620774	0.0024694083289
q2e	0.0182110790391	0.0115814244539	0.00543889600826
q1e	0.013747013019	0.0160374217912	0.00193330713421
Penalty (sum of the squares)			0.00167316050024

Open

Save

Quit

Beam lines Measurements/Solver

Measured Base Tunes

Qx	Qy	ΔQ_{min}
0.70317	0.690132	0.00732637

Measured Tweak Tunes

Quadrupole	ΔKL	Qx	Qy	ΔQ_{min}
q1b	0.0007	0.7071	0.685093	0.00753923
q2b	0.0004	0.704683	0.684978	0.00746582
q3b	0.0008	0.708729	0.684463	0.02034325
q3e	0.0008	0.708137	0.684597	0.0197984
q2e	0.0006	0.70894	0.686791	0.00710614
q1e	0.0007	0.706726	0.685139	0.00716887

Solve

Evaluate

Method: Q1 - Q3

Model Base Tunes

Qx	Qy	ΔQ_{min}
0.70317	0.690132	0.00729296989526

Model Twiss Parameters and Coupling

α_x	β_x	Couple ₁₁	Couple ₁₂
-0.128136662105	9.10204640947	-0.360730645348	1.32516824405
α_y	β_y	Couple ₂₁	Couple ₂₂
0.0238997357653	10.2888044349	-0.00790032044412	-0.229934141405

Model Beam Transfer Matrix

-0.430946170524	8.56225316853	0.0324823725985	0.833514752573
-0.109166205018	-0.162296654213	0.00608231273256	0.0129267329943
0.0381035770841	0.646051482479	-0.34146728652	9.85297068899
0.0071999216942	4.49734555006e-05	-0.0887939125279	-0.380024658465

Model and Measurement Differences

Device	ΔQ_x	ΔQ_y	$10 * \Delta(\Delta Q_{min})$
Base	0.0	0.0	0.000334001047366
q1b	0.00698128436029	0.00729461026249	0.000519061166444
q2b	0.00297452279934	0.00834063723365	0.00189254093326
q3b	0.000969673266328	0.000236871912004	2.48229209673e-05
q3e	0.00067678872921	0.00036874992328	8.20444376033e-05
q2e	0.0105185301738	0.00415418202735	0.00309023073203
q1e	0.00655921306971	0.00744438610674	0.0011328404747
Penalty (sum of the squares)			0.00042309583888

Open

Save

Quit

File

Help

Design+Trim

Ramp: pp12b-v2

Config: dbconfig/1325793289

Blue Species: PP

Yellow Species: PP

Options

BetaStarSlopes

DR8toDRG

DipoleHarmonics

FamilyTF

WarmTF

polyField

specificTF

State

On

On

Off

On

On

On

On

Blue

Yellow

DxAngles

StoneEditor

DipoleRamp

BetaStar

TuneChrom

Lattice

Optics

Magnets

Power Supplies

Stone: pp12b-v2::injection

Twiss

Orbit

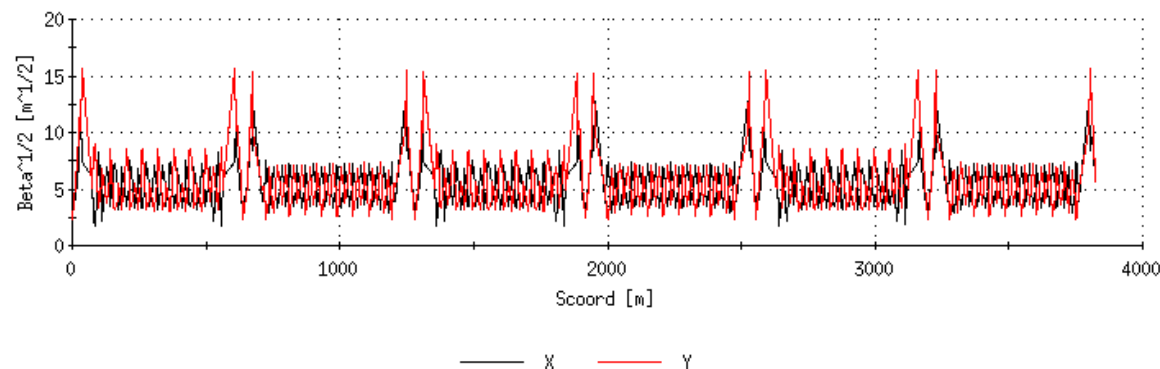
Correctors

Tunes/Chroms

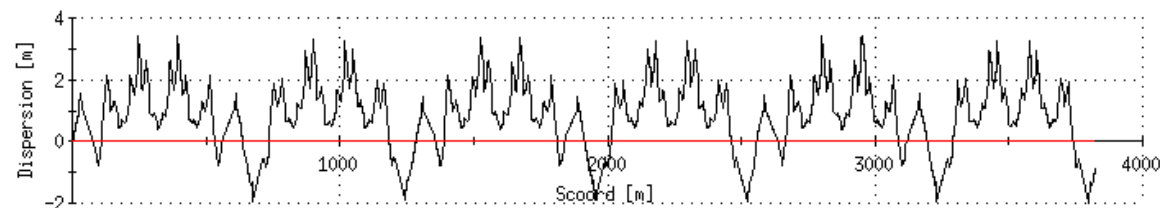
Stone #	1
Time [sec]	0
Gamma	25.3786244712
BetaGamma	25.3589151986
Brho [T-m]	79.3667745
Qx	28.7453598467
Qy	29.654698857
ChromX	2.00038159054
ChromY	5.00415022819
ChromX2	135.401815522
ChromY2	72.0029028174
ChromX3	1441.06616849
ChromY3	1038.13989801
GammaT	22.1792766726

Save to SXF File...

Beta Function



Dispersion Function



IP Parameters

Value/IP	IP6	IP8	IP10	IP12	IP2	IP4
BetaX [m]	10.1119528	10.2188572	10.3931983	10.3829584	10.1575829	10.3882217
BetaY [m]	5.48666037	5.64607935	5.70357295	5.83377721	5.66877202	5.60538719
AlphaX	0.236463091	-0.228378279	0.237893417	-0.250250729	0.245613479	-0.228850949
AlphaY	-0.011583457	0.0663196281	0.0107516697	0.0223043805	-0.0391394625	0.0175598086
EtaX [m]	-0.165267379	-0.16042425	-0.177547357	-0.166088741	-0.166523117	-0.164823731
EtaY [m]	0	0	0	0	0	0
EtaX'	0.0573799864	-0.0569900109	0.055034116	-0.0550383323	0.0559963935	-0.0570528028
EtaY'	0	0	0	0	0	0

Inform -- Getting the data...

```
cdevClientService::connect Error: Failed to connect to acnlin9b.pbn.bnl.gov on port 58881 with severity: 2
cdevClientService::connect Error: Failed to connect to acnlin9b.pbn.bnl.gov on port 58881 with severity: 2
```