Ramp Designer

File | Help

OptiCalcCheck | Design | Ramp: pp80 | Config: dbconfig/1200778987 | Blue Species: p | Yellow Species: p

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 | MagCurr | Strengths | TransFunc | BDL | ShuntCurr | ShuntVolt

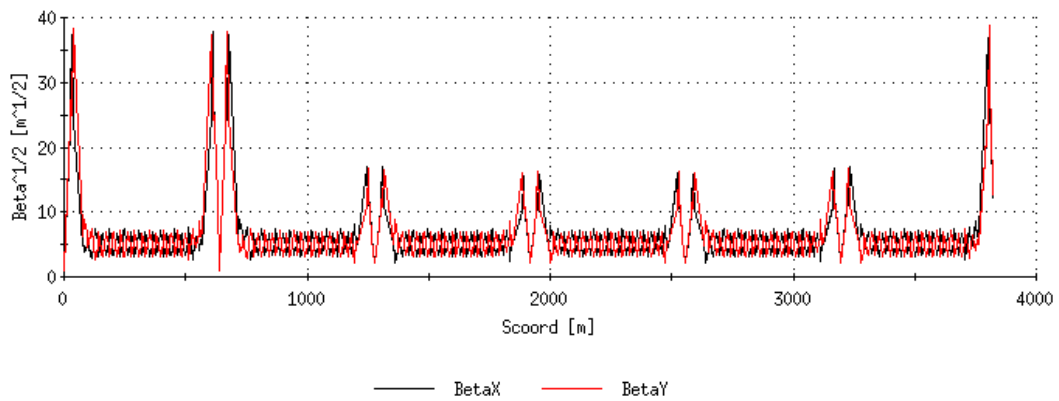
StepStone: pp80::store

Twiss | Orbit

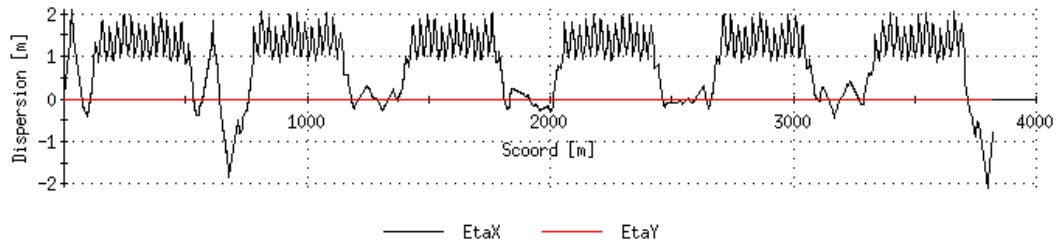
Tunes/Chroms

Stone #	18.000000000
Time [sec]	226.000000000
Gamma	106.813333050
BetaGamma	106.808651884
Brho [T-m]	334.283150000
Qx	27.960042075
Qy	28.950041636
ChromX	2.000000000
ChromY	2.000000000
ChromX2	4110.517847982
ChromY2	57.902087971
ChromX3	1165332.041571566
ChromY3	52894.800889339
GammaT	22.734558278

Beta Function



Dispersion Function



IP Parameters

Value/IP	IP6	IP8	IP10	IP12	IP2	IP4
BetaX [m]	0.960636	0.93083	4.64945	5.49272	5.36813	4.73764
BetaY [m]	0.883188	0.92457	4.83143	5.15099	5.12801	4.9137
AlphaX	-0.0712914	0.0924925	0.0817568	-0.0977607	0.103987	-0.096387
AlphaY	0.0462942	-0.0458192	-0.00323357	0.0226988	0.00444994	-0.0195481
EtaX [m]	0.0251539	0.0275773	0.0234911	-0.0376634	-0.0559757	0.00540631
EtaY [m]	0	0	0	0	0	0
EtaX'	0.0674166	-0.0587717	-0.00129557	-0.0130651	0.00744674	0.0048723
EtaY'	0	0	0	0	0	0

```
Inform -- Getting the power supply currents...
Inform -- Getting the optics functions...
Inform -- Getting the optics functions...
```

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Blue | Yellow | DxAngles | StoneEditor

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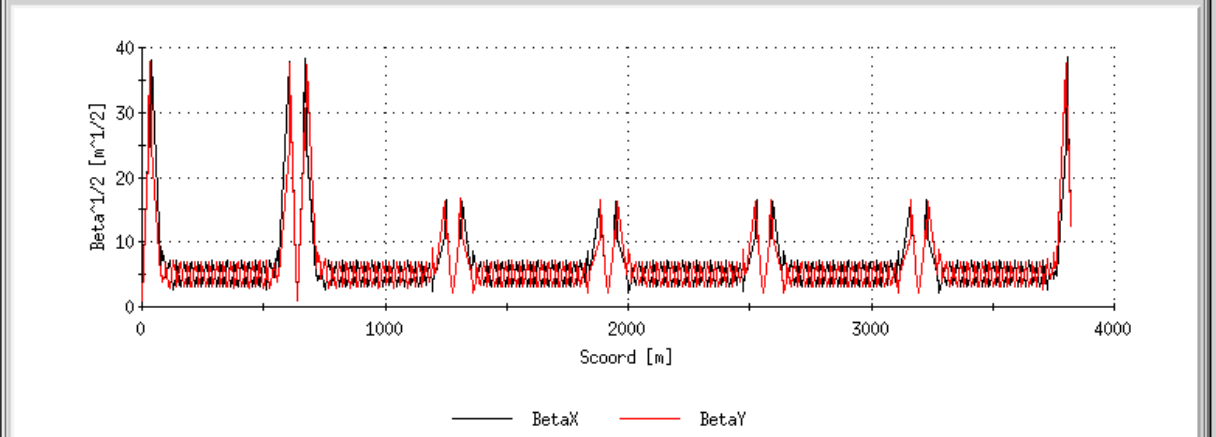
StepStone: pp80::store

Twiss | Orbit

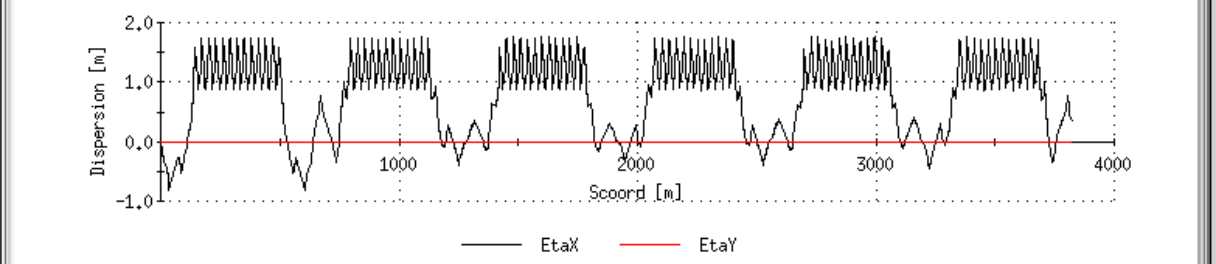
Tunes/Chroms

Stone #	18.000000000
Time [sec]	226.000000000
Gamma	106.813333050
BetaGamma	106.808651884
Brho [T-m]	334.283150000
Qx	28.695030460
Qy	29.685030022
ChromX	2.000000000
ChromY	2.000000001
ChromX2	-1785.750012555
ChromY2	2515.829647762
ChromX3	-52684.442890741
ChromY3	335716.703012784
GammaT	23.672839197

Beta Function



Dispersion Function



IP Parameters

Value/IP	IP6	IP8	IP10	IP12	IP2	IP4
BetaX [m]	0.891887	0.902219	4.93785	5.08168	4.95991	5.02408
BetaY [m]	0.923044	0.92779	4.93172	4.98776	4.95932	5.02464
AlphaX	0.00543688	-0.00543111	0.00535588	-0.0118173	-0.00894192	0.00809495
AlphaY	0.00494111	-0.0232151	-0.0281488	-0.0244716	0.00148528	0.0081056
EtaX [m]	0.00191591	0.00168981	-0.00300967	-0.000175963	0.00583096	-9.7065e-05
EtaY [m]	0	0	0	0	0	0
EtaX'	-0.0295202	0.0299239	0.00324901	-0.00170377	0.00392452	-0.00497866
EtaY'	0	0	0	0	0	0

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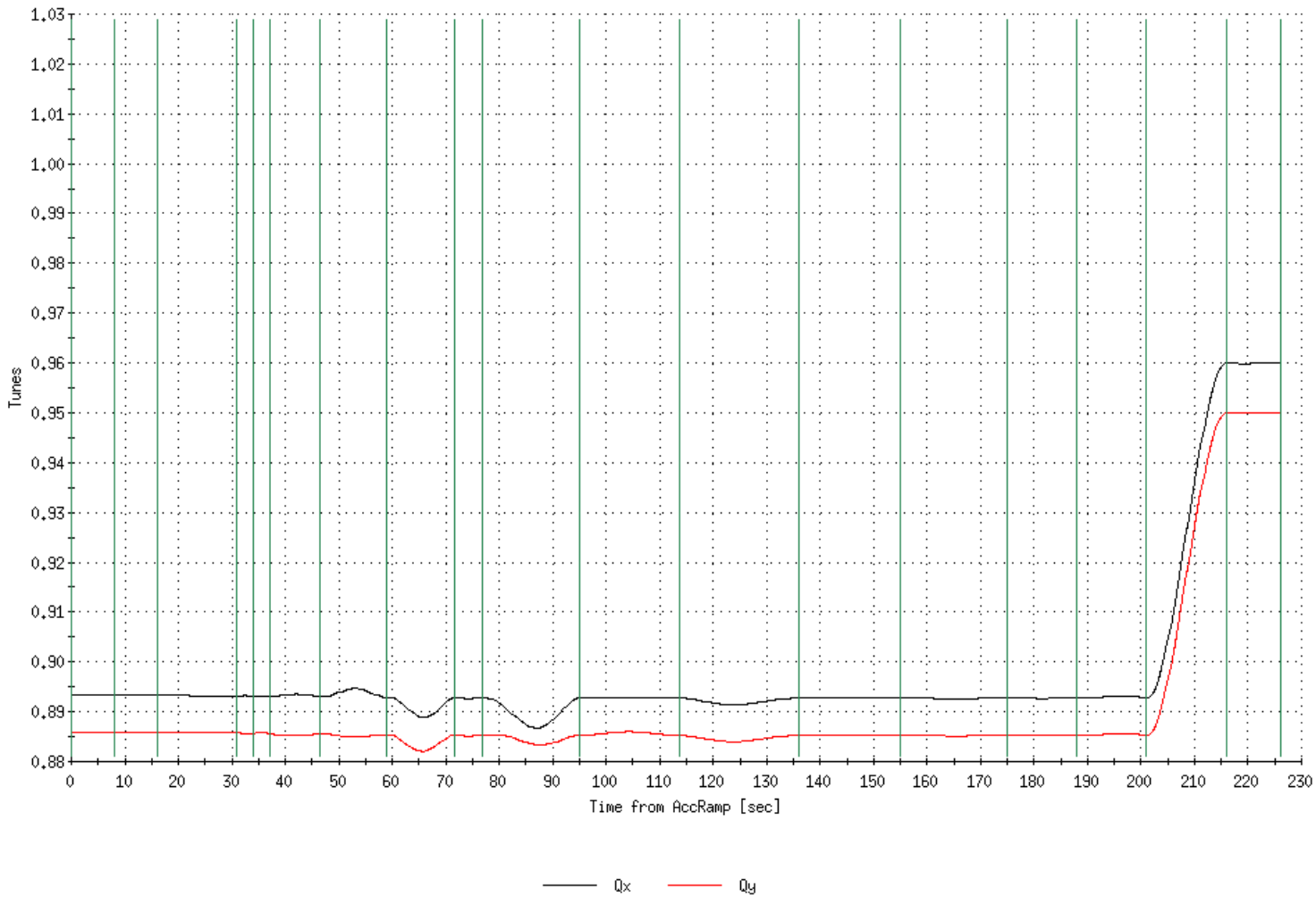
Re-read Data | Show Stones

Tunes | Chroms | Beta | Gamma | Brho | Freq

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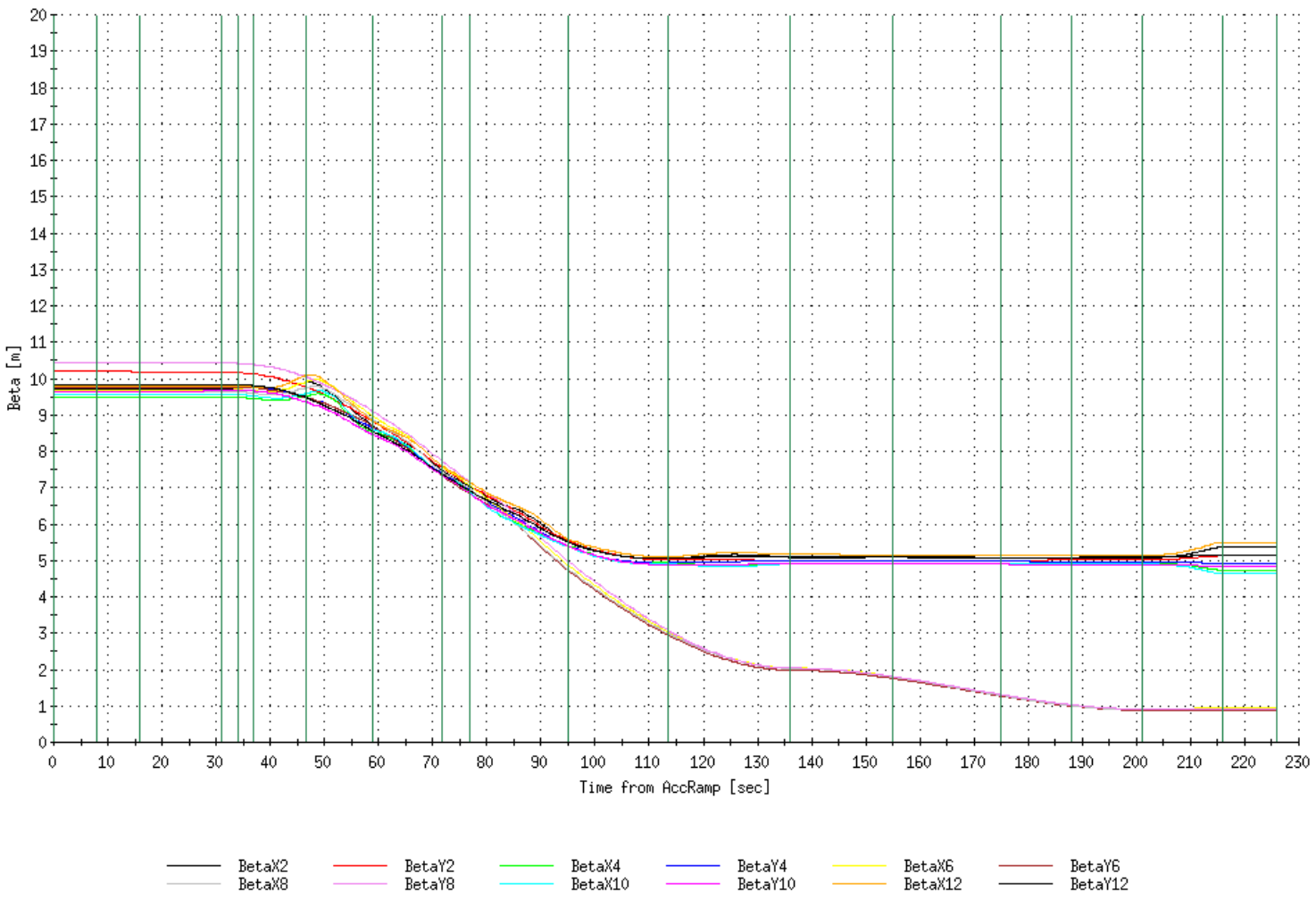


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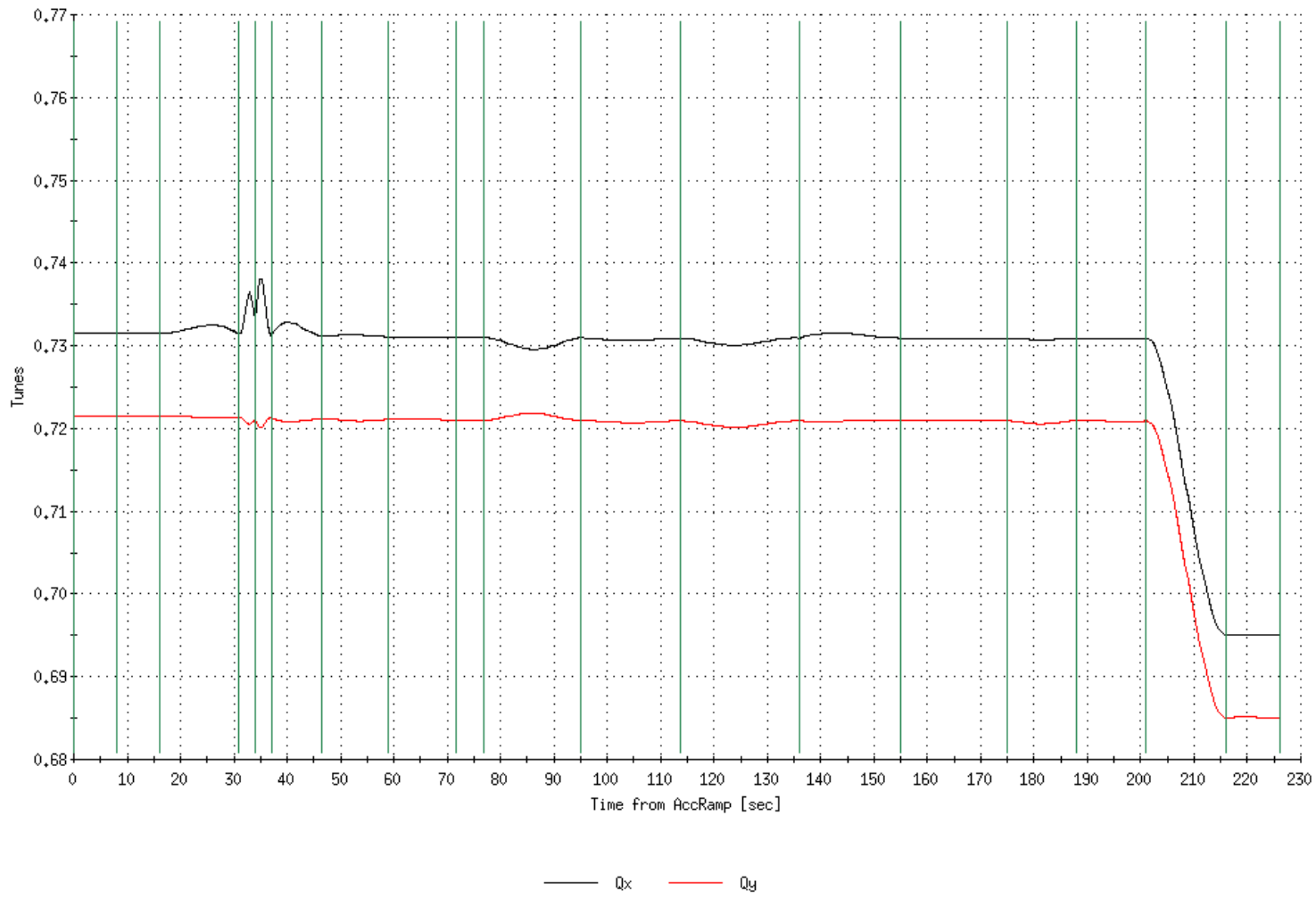


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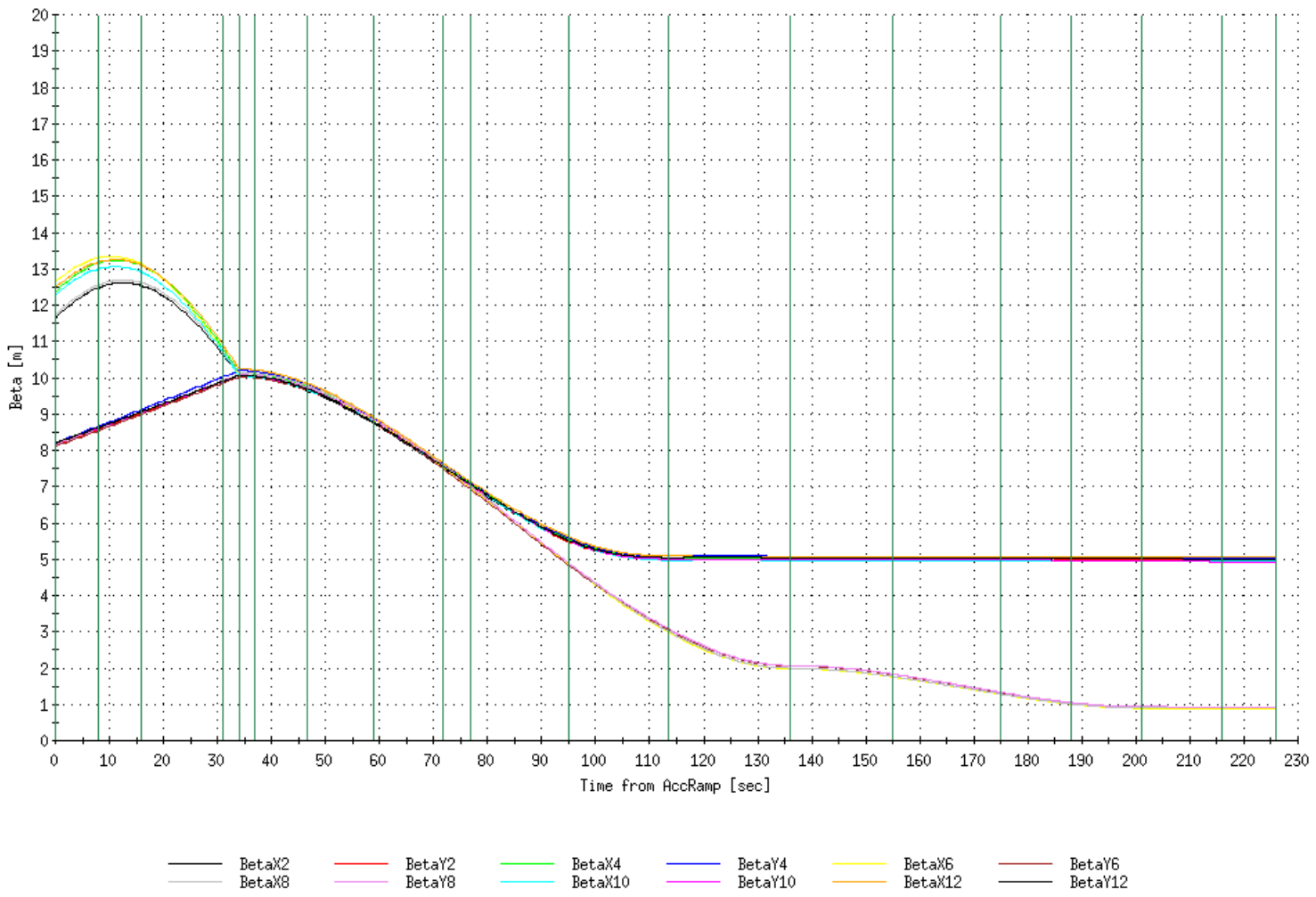
Tunes | Chroms | Beta | Gamma | Brho | Freq

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Options	BetaStarSlopes	DR8toDRG	DipoleHarmonics	FamilyTF	WarmTF	polyField	specificTF
State	On	On	Off	On	On	On	On

Blue | Yellow | DxAngles | StoneEditor

Add/Remove/Rename/Move Stones

Functions

Add Stone... | Move Stone... | Rename Stone... | Remove Stone...

List of the Stones

#	Stone Name	Time [sec]	Brho [T-m]	Ggamma	Brho [T-m]	Ggamma
0	pp80::injection	0.000000000	79.366774500	45.500001625	79.366774500	45.500001625
1	pp80::t8	8.000000000	79.568339215	45.615377027	79.568339215	45.615377027
2	pp80::snapback	16.000000000	80.979292220	46.423017296	80.979292220	46.423017296
3	pp80::t31	31.000000000	90.570938150	51.913854913	90.570938150	51.913854913
4	pp80::t34	34.000000000	93.759754930	53.739492250	93.759754930	53.739492250
5	pp80::t37	37.000000000	97.373747281	55.808631175	97.373747281	55.808631175
6	pp80::gg64	46.532846506	111.679697591	64.000000000	111.679697591	64.000000000
7	pp80::t59	59.000000000	136.867833626	78.424215270	136.867833626	78.424215270
8	pp80::gg98	71.733916100	170.175057895	97.499999999	170.175057895	97.499999999
9	pp80::gg106	76.905282859	185.888613431	106.500000000	185.888613431	106.500000000
10	pp80::t95	95.000000000	249.531486240	142.953497112	249.531486240	142.953497112
11	pp80::gg179	113.572597348	311.588226968	178.499999999	311.588226968	178.499999999
12	pp80::flattop	136.000000000	334.283150000	191.500006443	334.283150000	191.500006443
13	pp80::t155	155.000000000	334.283150000	191.500006443	334.283150000	191.500006443
14	pp80::t175	175.000000000	334.283150000	191.500006443	334.283150000	191.500006443
15	pp80::t188	188.000000000	334.283150000	191.500006443	334.283150000	191.500006443
16	pp80::beta0p9	201.000000000	334.283150000	191.500006443	334.283150000	191.500006443
17	pp80::uncogged	216.000000000	334.283150000	191.500006443	334.283150000	191.500006443
18	pp80::store	226.000000000	334.283150000	191.500006443	334.283150000	191.500006443

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