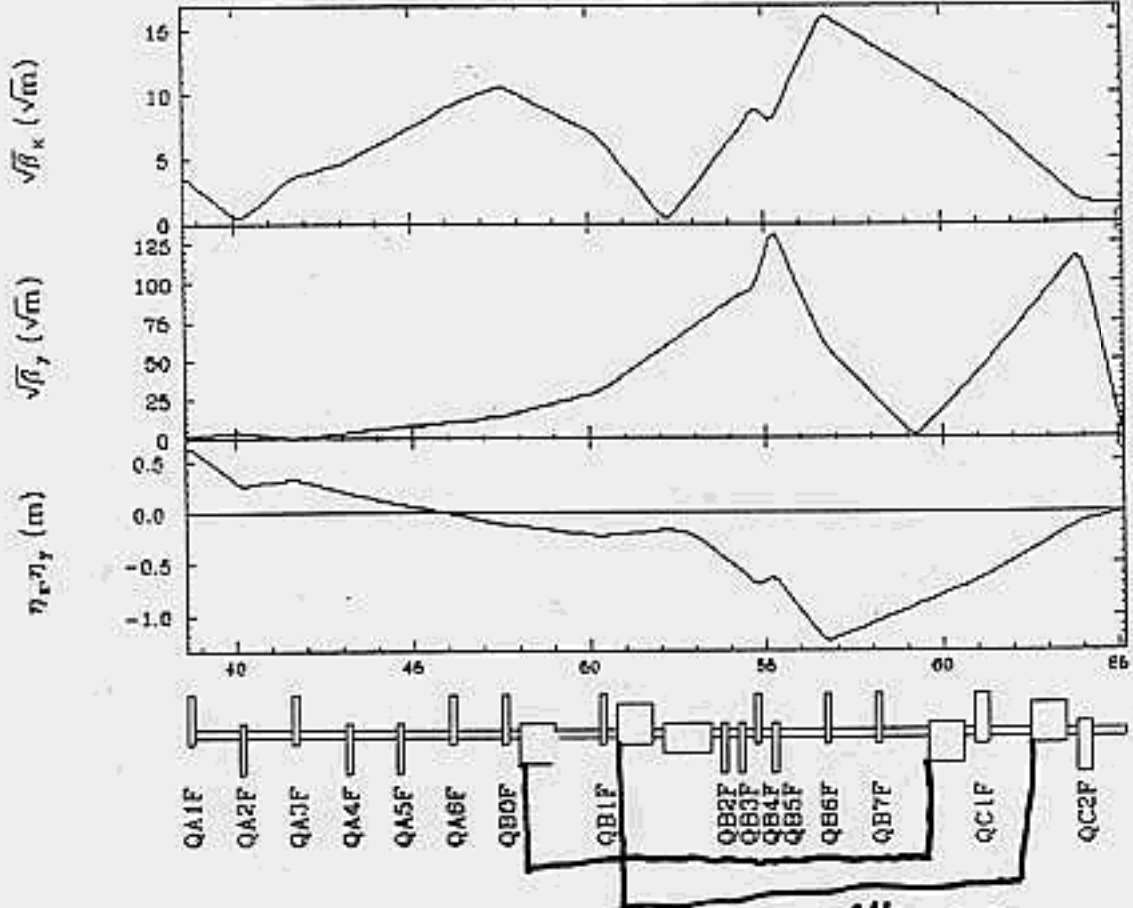


extff0

14:03:50 Friday 09/ 8/2000



In[100]:= DP=1e-3;cal

Residual = 6.3658E-04 DP = 0.00100 DP0 = 0.00000 ExponentOfResidual = 2.0

OffMomentumWeight = 1.000

DP		-0.001	-8E-4	-5E-4	-3E-4	.000	5.E-4	8.E-4	.001
Res.		3.E-4	7.E-5	8.E-6	7.E-7	5.E-5	3.E-6	3.E-5	2.E-4
SF1F/SF2F	NX	#####	#	.500	.500	.500	.500	.500	.500
SF1F/SF2F	NY	#####	#	.500	.500	.500	.500	.500	.500
SD1F/SD2F	NX	#####	#	.500	.500	.500	.500	.500	.500
SD1F/SD2F	NY	#####	#	.500	.500	.500	.500	.500	.500
\$\$\$	fAX 0	9	.015	.014	.010	.004	-4E-5	-.005	-.009
\$\$\$	fBX	#####	#	1.736	1.858	1.948	2.001	2.015	1.926
\$\$\$	fNX	#####	#	2.927	2.920	2.915	2.912	2.911	2.912
\$\$\$	fAY 0	9	-.072	-.036	-.011	.003	.007	-.008	-.025
\$\$\$	fBYM	1E-4	9	1.E-4	1.E-4	1.E-4	1.E-4	1.E-4	1.E-4
\$\$\$	fNY	#####	#	3.283	3.276	3.270	3.267	3.264	3.264
\$\$\$	fEX 0	9	.004	.002	4.E-4	3.E-5	1.E-5	-3E-4	-.001
\$\$\$	fLENG	#####	#	65.161819					

E=1.54 GeV

$\gamma_{ex}=3 \times 10^{-6} \text{m}, \gamma_{ey}=3 \times 10^{-8} \text{m}$

In[91]: DP=1e-3;mea

Statistics at \$\$\$: particles = 1000

RAD: T, RFSW: T, GAUSS: T, DP = .001000, DP0 = .000000, GCUT = 1.0000E35

x px/p0 y py/p0 z dp/p0

C of M : -1.994E-05-9.126E-06 1.911E-09 2.257E-05-2.505E-05 4.479E-05

x : 2.036E-09

px/p0 : -2.727E-11 6.575E-09

y : 2.355E-14 7.442E-14 1.208E-15

py/p0 : 6.125E-11-5.966E-10 2.318E-12 1.006E-07

z : 2.348E-10-8.474E-09-5.557E-14 9.974E-10 1.377E-08

dp/p0 : -2.729E-09 7.303E-08 5.310E-13-8.128E-09-1.113E-07 9.260E-07

x-y projected(coupled) parameters:

emitx: 1.2720E-09 bx: 1.594 ax:-0.1478 ex:-2.9469E-03 epx: 7.8868E-02

emity: 1.0769E-11 by: 1.1212E-04 ay:-0.2156 ey: 5.7340E-07 epy:-8.7779E-03

x-y decoupled parameters:

emitu: 1.2720E-09 bu: 1.594 au:-0.1478 eu:-2.9466E-03 epu: 7.8868E-02

emitv: 1.0763E-11 bv: 1.1206E-04 av:-0.2156 ev:-2.3879E-06 epv:-1.2918E-02

r1:-8.8607E-06 r2:-3.7879E-05 r3:-1.1667E-02 r4:-5.2931E-02 detr: 2.7060E-08

sigx: 4.5122E-05 sigy: 3.4754E-08 tilt:-1.1566E-05

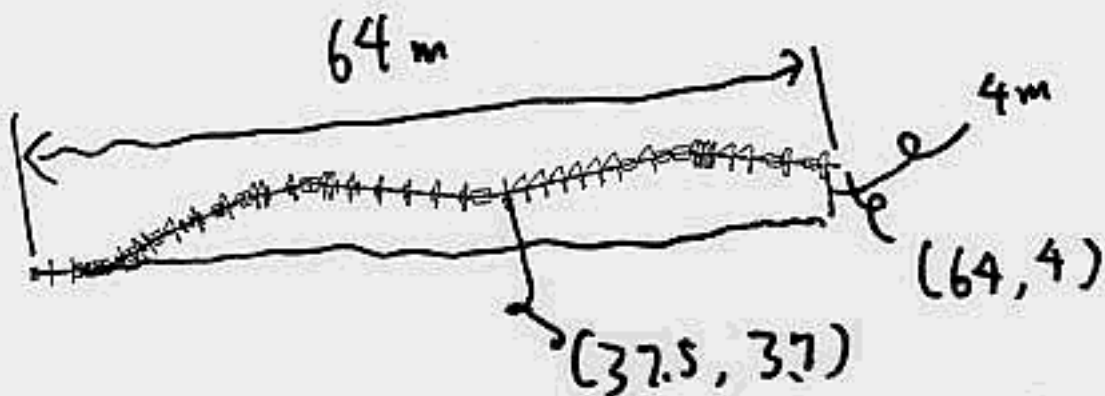
slgpx: 8.1087E-05 slgpy: 3.1716E-04

slgp/p: 9.6227E-04 slgz: 1.1733E-04 dp/p/z:-9.4828E-04/slgz

:
DRIFT LDF =(L=.1) LA1F =(L=1.3) LA2F =(L=1.3)
LA3F =(L=1.3) LA4F =(L=1.3) LA6F =(L=1.3)
LA7F =(L=1.3) LB0F =(L=.3) LB1F =(L=1.3)
LB2F =(L=.3) LB3F =(L=.3) LB4F =(L=.3)
LB5F =(L=.3) LB6F =(L=.3) LB7F =(L=.3)
LB8F =(L=1.3) LB9F =(L=1.3) LB10F =(L=1.3)
LB11F =(L=.3) LC1F =(L=1.2) LC2F =(L=.3)
LC3F =(L=1)

:
QUAD QA1F =(L=.18 K1=.902406791402)
QA2F =(L=.18 K1=-1.1814235442215)
QA3F =(L=.18 K1=-.4402380076565)
QA4F =(L=.18 K1=-.1222267654219)
QA5F =(L=.18 K1=-.0213478151473)
QA6F =(L=.18 K1=.0559560683224)
QB0F =(L=.18 K1=-.2318743741557)
QB1F =(L=.18 K1=-.3233651742199)
QB2F =(L=.18 K1=-.0106673820277)
QB3F =(L=.18 K1=-.0480588971658)
QB4F =(L=.18 K1=.7124582472136)
QB5F =(L=.18 K1=-1.0049814778477)
QB6F =(L=.18 K1=.4615785732361)
QB7F =(L=.18 K1=-.0026831041968)
QC1F =(L=.4 K1=.0839895048349)
QC2F =(L=.4 K1=-1.1348444157469)

:
SEXT SF1F =(L=1 K2=-18.7684392687942)
SD1F =(L=1 K2=31.9650206730401)
SF2F =(L=1 K2=-.2788122139491)
SD2F =(L=1 K2=4.8256034046531)



Element #	Gx	Gy	Gz	s	Length	Value	Chi1	Chi2	Chi3
IPFD 000000	37.486250	3.700000		.000000	38.591819	.000000 0		8.945747	
SSS 000000	63.743747	3.956483		.000000	65.161819	.000000 0		-8.953408	
	.000000	237							