

X vs. Y at 45 m parasitic crossing point for 35,000 disrupted beam particles, $dy = 0$ nm at IP

TURTLE

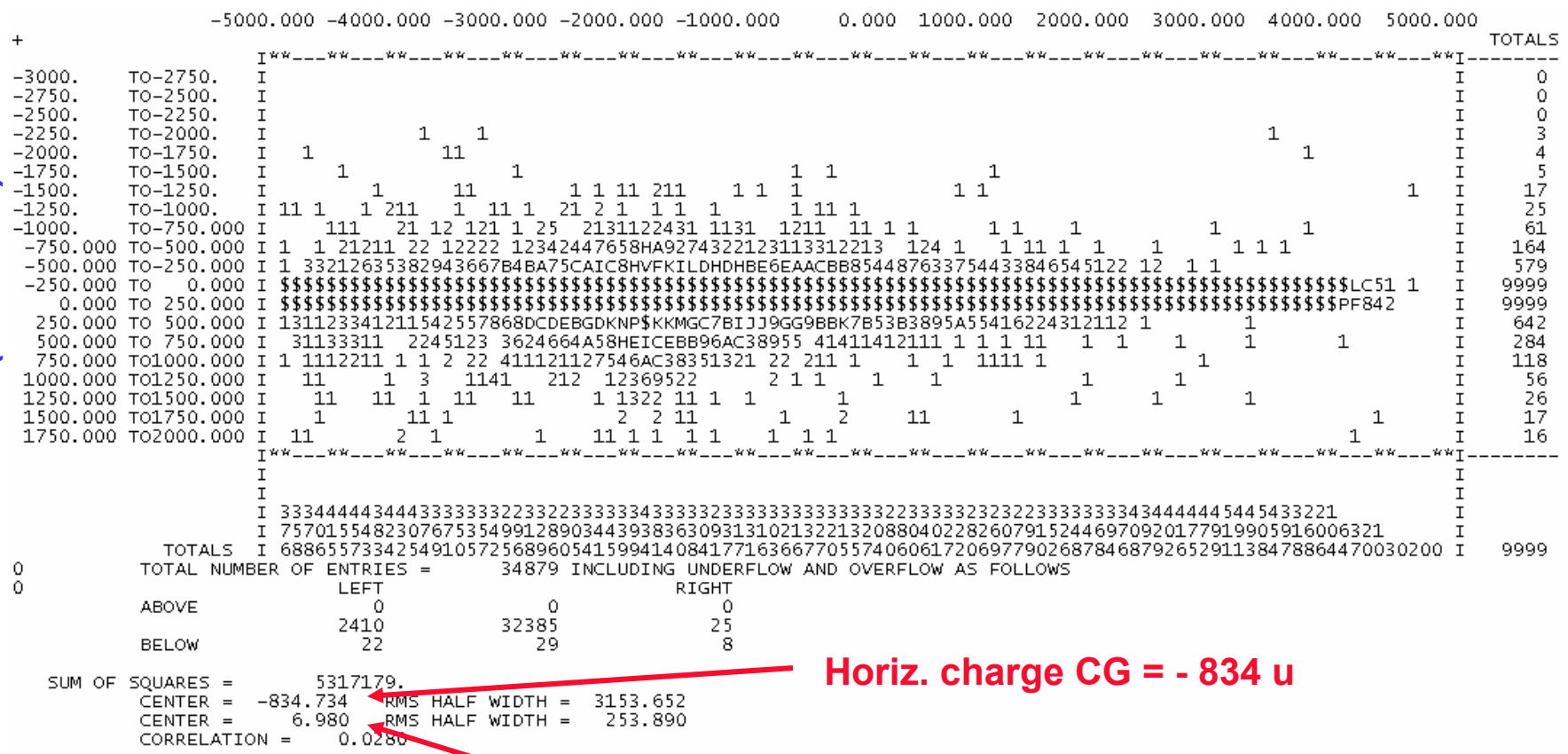
Nominal beam axes are separated by 10,000 u

long, low energy tail, this way

X (microns)

Incoming beam axis this way →

Y (microns)



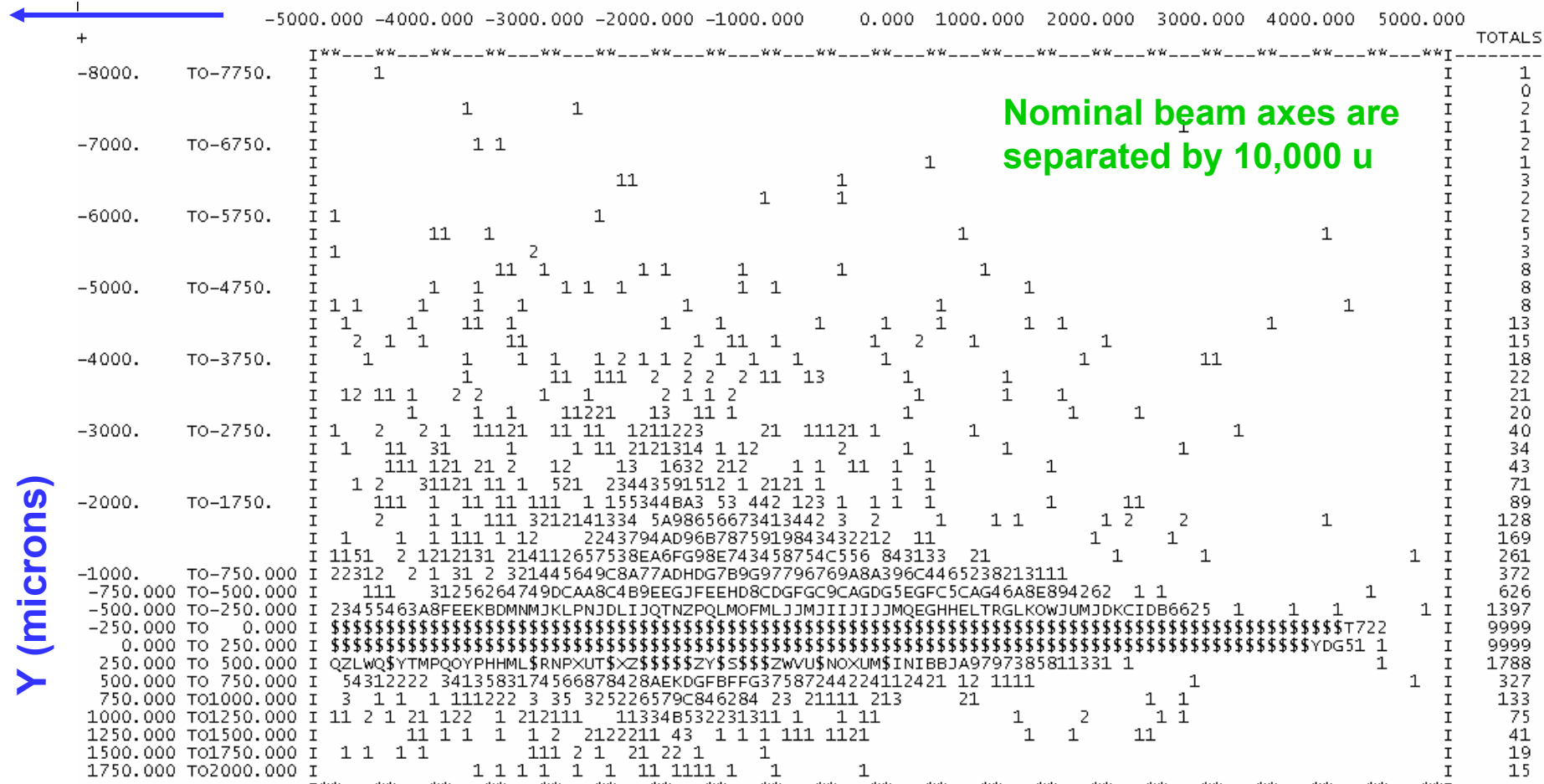
Horiz. charge CG = - 834 u

Vert. charge CG = 7 u

X vs. Y at 45 m parasitic crossing point for 35,000 disrupted beam particles, dy = 2 nm at IP

TURTLE X (microns)

low energy tail



Y (microns)

Nominal beam axes are separated by 10,000 u

TOTALS	I	9922419282458410900089298432725468325068135603835651446902426371903949481409316625566084784258340021	I	9999
0	TOTAL NUMBER OF ENTRIES =	34879	INCLUDING UNDERFLOW AND OVERFLOW AS FOLLOWS	
0		LEFT	RIGHT	
	ABOVE	27	6	
	BELOW	2093	24	
		32	58	
SUM OF SQUARES =	4458875.			
CENTER =	-857.014	RMS HALF WIDTH =	3078.988	
CENTER =	-82.939	RMS HALF WIDTH =	756.157	

Horiz. charge CG = - 857 u

Vert. charge CG = - 83 u

X vs. Y at 45 m parasitic crossing point for 35,000 disrupted beam particles, dy = 200 nm at IP

TURTLE

X (microns)

Y (microns)

	-5000.000	-4000.000	-3000.000	-2000.000	-1000.000	0.000	1000.000	2000.000	3000.000	4000.000	5000.000	TOTALS
-8000.	I	2 2	2 2 1 5	125 2311111	12 1	1						I 37
	I	1	22 1 1 3	11122 11 1 2 2			1		1	1		I 27
	I	1 1 1	1 211 1	214 22223 11111	1	1						I 34
	I	1 1 1	1 1 2	1112211122 32111122	1 12		1					I 38
-7000.	I	1 1	21 3	1211212 312113355 3 2	11							I 49
	I	3 1	11 221 1	214 6613443122 11 2								I 55
	I	1		2112122435225 92 2411	2 11	1						I 57
	I		1111	11111113116 3670715111	1111							I 71
-6000.	I	11 112	11 31 11 13	3349A9343 2			1 1					I 70
	I	1	1 12 12 1	21243399I5433 321	1							I 82
	I	1 2		112 11 31 2 349XA4 31 2		1						I 85
	I		21 1 1	211 1 1235261MP71 1 1	1	1						I 90
-5000.	I	11 1		11 24124GZF53 3								I 95
	I	1	1 12 222 1	252226QIGA51 1 1	1	1						I 109
	I		1 11112	2 1233 45DMRHJ72 1 1 1	1	1	1					I 137
	I	21	1 1211 1	12 1 11335HKOIJED71 1 1								I 162
-4000.	I		1 1 1	2 1 114FINDEFHGB96 1			1					I 171
	I		11 1	2112314OGCLBHEHGC52 1								I 185
	I	1	1 1 1	1 13A8FBB9KD7IMHEA4 11								I 199
-3000.	I	1 1 2		1123CGEBD9GBICGHGGG331 11								I 234
	I	1 1 1	21	1468ELDEAAEAD9GEQEIMCA331								I 292
	I		11	2 247CIIICH7A8588BCFGOJN7E748								I 300
	I		111 1	2 26E5EGKHAEECC99BBA8IJKHQKJGA51								I 377
	I	1		2 258ABE9DEGBAAD7CFEFDHQMMPAI64	1							I 421
-2000.	I		1	21 235CB9LKA8B7B8FCGG6FFF8BGHNNNSNFB95742								I 450
	I		1	21239BAFIEGUAFBEB9FDBAF9JICEFRKGNZPNL8313 1								I 593
	I		1 2	21 59EDIGILED9BFGCD89599CB9FCIGIRIMVTTUQQICC42321								I 657
	I		1	324168GBBAJMNIGIFB9BH9BC4EFKJAFEHLKGNRIPX\$PPUFF823141								I 761
-1000.	TO-750.000	I	111	2259GKENGIOGIBLF8HHHBNFCFEBBG9DMBJRSNO\$RY\$\$\$\$\$QVFLC87251 1								I 1053
-750.000	TO-500.000	I	11	1627CDIHRSTKIOLMEJ9DCHMGGALIH7IKJBKCKOGFMS\$U\$\$\$\$\$SYVPLBA6412								I 1277
-500.000	TO-250.000	I		111438CFOK\$UOQZVHNJLJPGJGNDFBMSGHGJLFPQGEOKNL\$SVT\$\$\$\$\$YNDAS4423								I 1780
-250.000	TO 0.000	I	3	237EFFKY\$\$\$\$\$SQPQOFTMJQMOICIPTW\$VZ\$Y\$XR\$\$\$WX\$\$\$\$\$SOULET68211								I 3181
0.000	TO 250.000	I		1239ICHW\$\$\$\$\$SSV\$VSUUVTXZYUU\$\$\$\$\$YVW\$\$\$\$\$\$\$\$\$\$4								I 7388
250.000	TO 500.000	I		2226C9CN\$\$\$\$\$VVX\$SQXRXYWV\$\$\$\$\$Y\$\$\$\$\$VB								I 5061
500.000	TO 750.000	I	1436	EDEN\$\$\$\$\$I								I 4920
750.000	TO1000.000	I		132C6BHDFTU\$\$\$\$\$VK62								I 3546
1000.000	TO1250.000	I		112233423667C59FAEF9JCDEGC4G933231								I 256
1250.000	TO1500.000	I										I 0
1500.000	TO1750.000	I										I 0
1750.000	TO2000.000	I										I 0

Nominal beam axes are separated by 10,000 u

TOTALS I 5043192237764081951167415533901312030067019991846177720065982186688067875525294972026821100000000000 I 9999

TOTAL NUMBER OF ENTRIES = 34879 INCLUDING UNDERFLOW AND OVERFLOW AS FOLLOWS

	LEFT	RIGHT
ABOVE	172	4
BELOW	60	0
	0	0

Horiz. charge CG = - 645 u

Vert. charge CG = - 477 u

SUM OF SQUARES = 3491492.
 CENTER = -645.637 RMS HALF WIDTH = 2116.945
 CENTER = -477.262 RMS HALF WIDTH = 2122.871