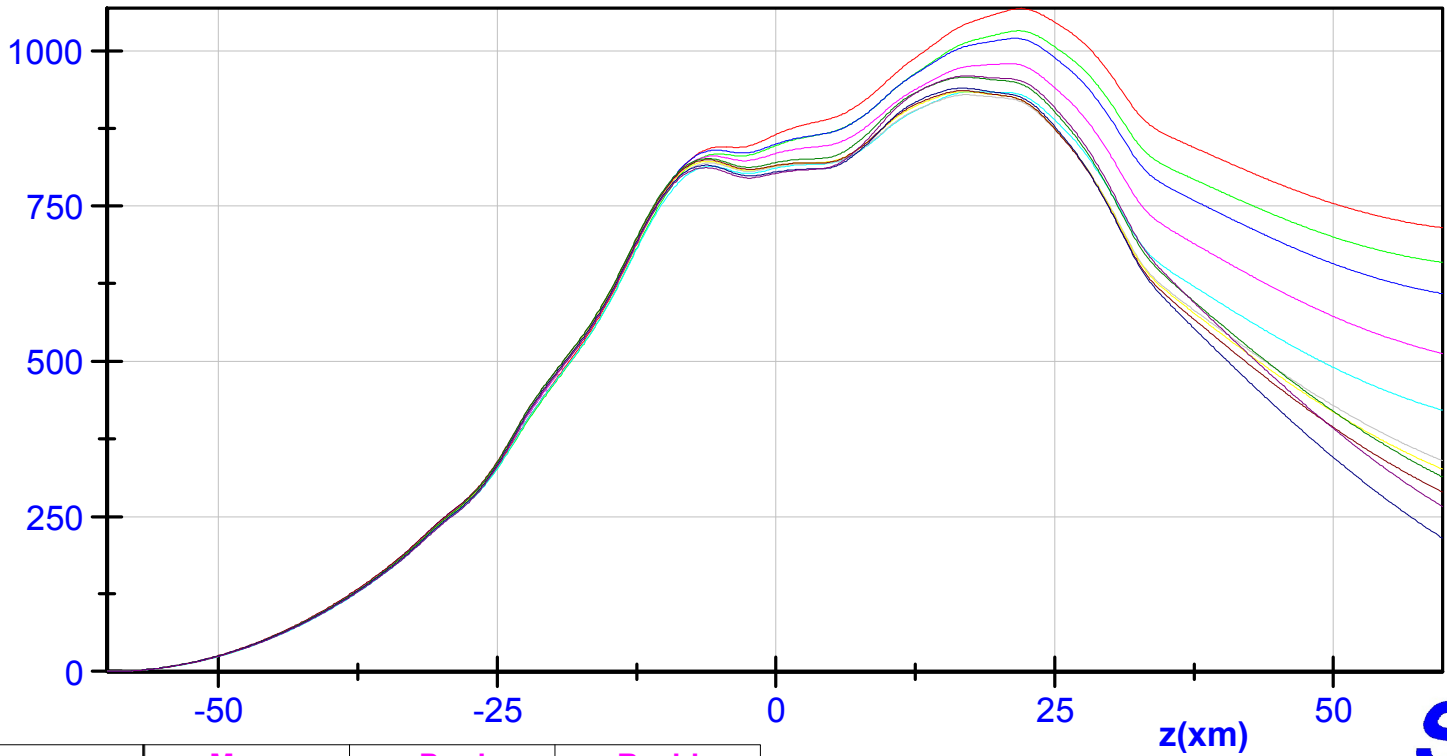


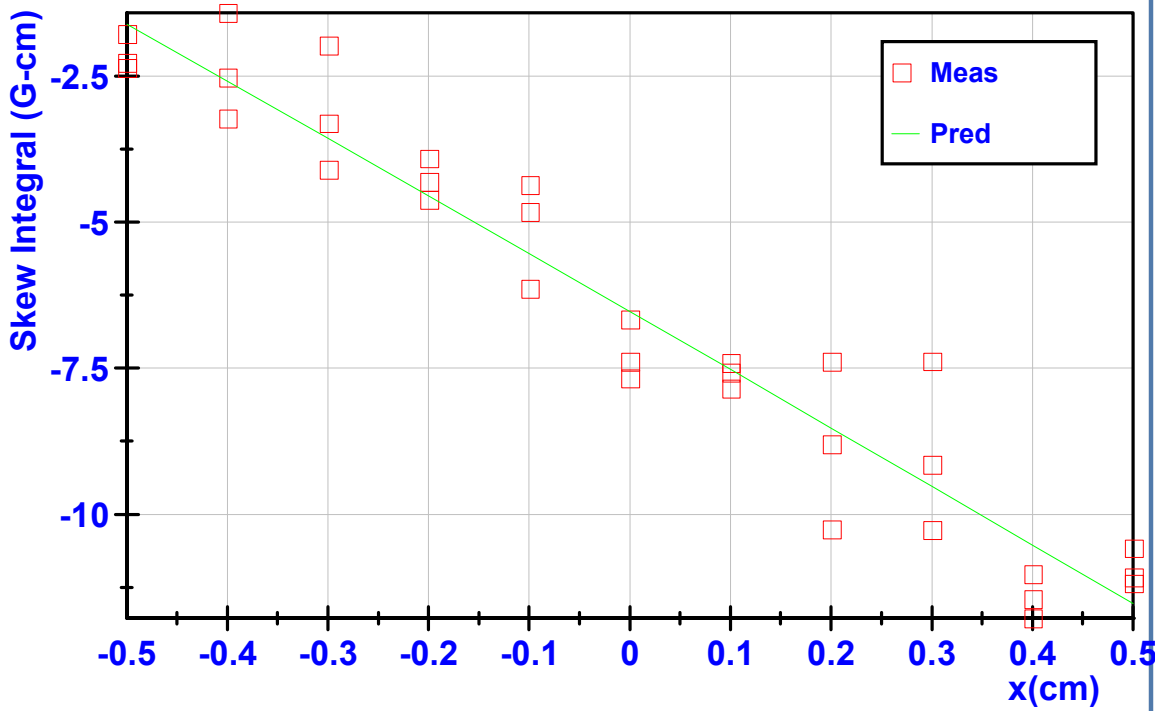
Skew I2(G-cm2)



- Traj_x=-5mm
- Traj_x=-4mm
- Traj_x=-3mm
- Traj_x=-2mm
- Traj_x=-1mm
- Traj_x=0mm
- Traj_x=+1mm
- Traj_x=+2mm
- Traj_x=+3mm
- Traj_x=+4mm
- Traj_x=+5mm

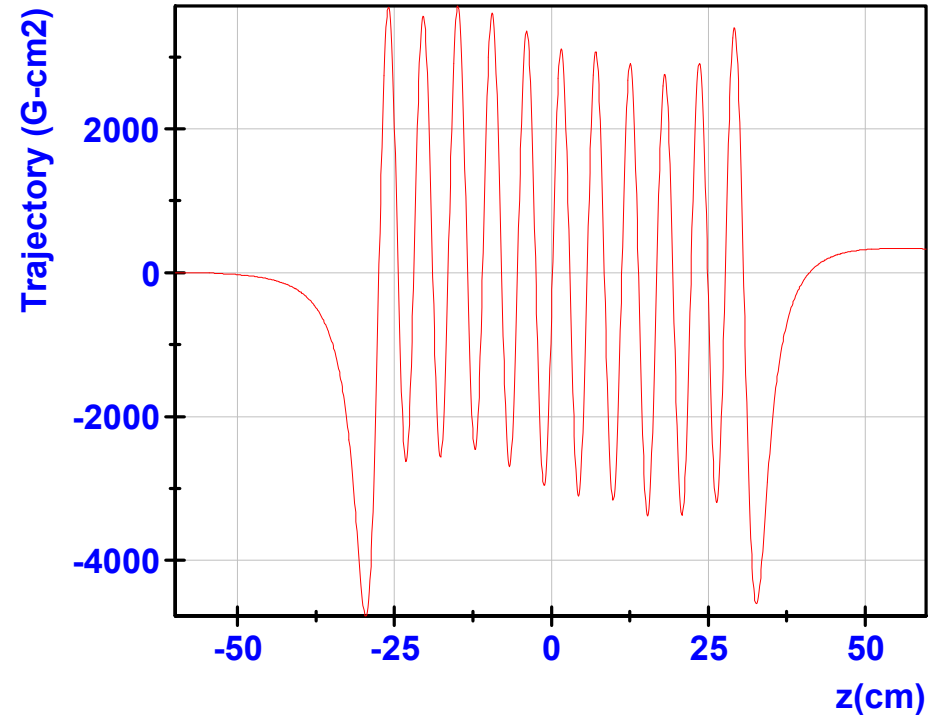
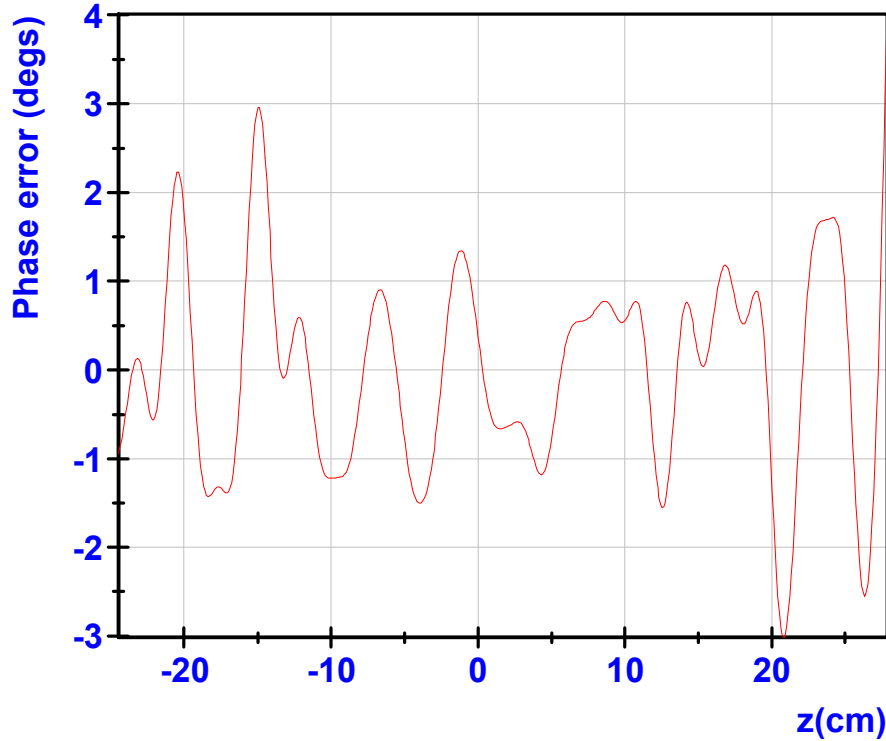
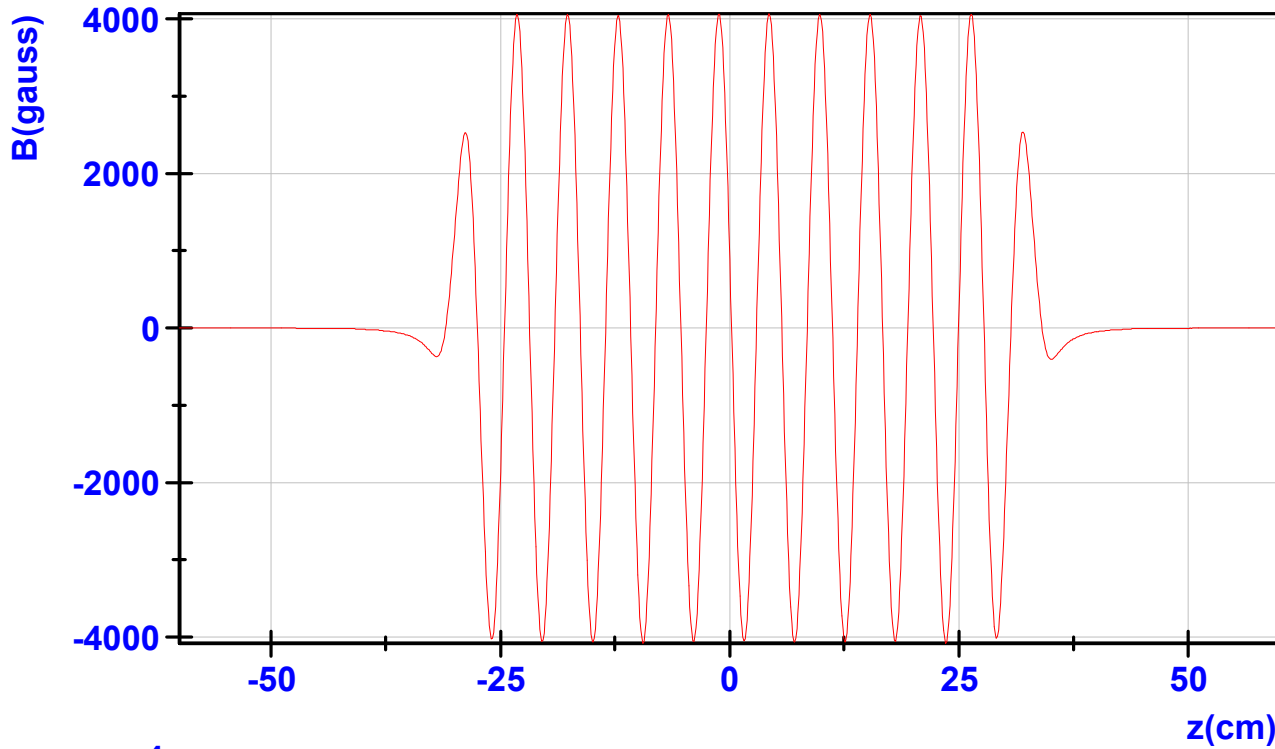


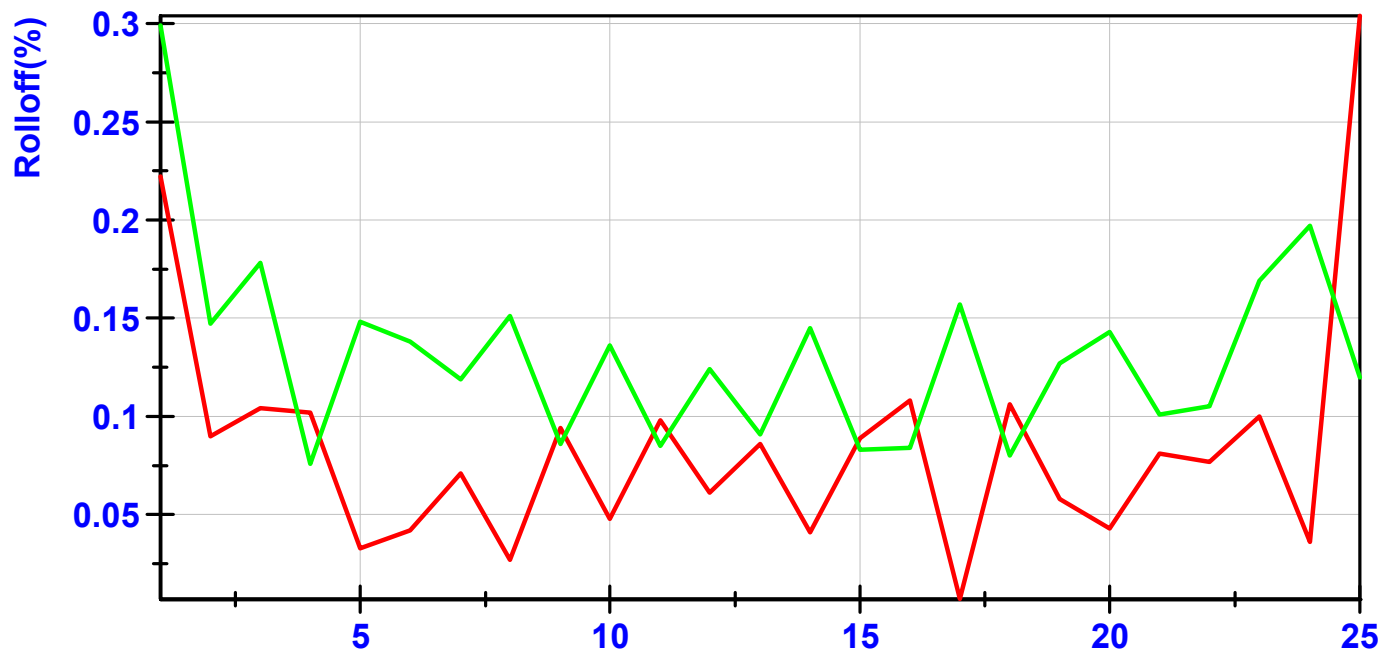
x	Meas	Pred	Resid
-0.50	-1.77	-1.61	-0.16
-0.50	-2.27	-1.61	-0.66
-0.50	-2.37	-1.61	-0.76
-0.40	-2.53	-2.59	0.06
-0.40	-3.22	-2.59	-0.63
-0.40	-1.42	-2.59	1.17
-0.30	-3.31	-3.57	0.26
-0.30	-4.10	-3.57	-0.53
-0.30	-1.98	-3.57	1.59
-0.20	-4.61	-4.55	-0.06
-0.20	-4.31	-4.55	0.24
-0.20	-3.91	-4.55	0.64
-0.10	-4.82	-5.54	0.72
-0.10	-6.14	-5.54	-0.60
-0.10	-4.37	-5.54	1.17
0.00	-6.67	-6.53	-0.14
0.00	-7.68	-6.53	-1.15
0.00	-7.39	-6.53	-0.86
0.10	-7.84	-7.52	-0.32
0.10	-7.58	-7.52	-0.05
0.10	-7.41	-7.52	0.11
0.20	-10.25	-8.52	-1.73
0.20	-7.39	-8.52	1.13
0.20	-8.80	-8.52	-0.28
0.30	-9.15	-9.52	0.37
0.30	-7.38	-9.52	2.14
0.30	-10.27	-9.52	-0.75
0.40	-11.78	-10.53	-1.25
0.40	-11.45	-10.53	-0.92
0.40	-11.03	-10.53	-0.50
0.50	-11.08	-11.54	0.45
0.50	-10.58	-11.54	0.95
0.50	-11.18	-11.54	0.36



NLCTA 55mm period undulator Centerline scan summary

B effective = 4033.6 gauss
Phase error = 1.14 degrees
I1 = 2.8 G-cm
I2 = 330 G-cm²





— Roll(-5)
— Roll(+5)

Rolloff is calculated at +/-5mm
It is below 0.3% for all poles



Kick	z	B(-5)	B(0)	B(+5)	Roll(-5)	Roll(+5)
1.00	-30.86	367.02	367.83	366.73	0.22	0.30
2.00	-27.44	2530.77	2533.06	2529.34	0.09	0.15
3.00	-24.47	4021.42	4025.59	4018.43	0.10	0.18
4.00	-21.70	4057.93	4062.06	4058.98	0.10	0.08
5.00	-18.96	4057.53	4058.88	4052.86	0.03	0.15
6.00	-16.20	4063.02	4064.75	4059.12	0.04	0.14
7.00	-13.45	4063.64	4066.54	4061.69	0.07	0.12
8.00	-10.71	4050.84	4051.95	4045.85	0.03	0.15
9.00	-7.96	4072.81	4076.63	4073.13	0.09	0.09
10.00	-5.21	4060.34	4062.29	4056.76	0.05	0.14
11.00	-2.46	4058.85	4062.82	4059.38	0.10	0.09
12.00	0.29	4066.70	4069.18	4064.12	0.06	0.12
13.00	3.04	4046.75	4050.25	4046.55	0.09	0.09
14.00	5.79	4068.75	4070.44	4064.54	0.04	0.15
15.00	8.55	4068.82	4072.44	4069.06	0.09	0.08
16.00	11.29	4061.50	4065.91	4062.49	0.11	0.08
17.00	14.03	4063.79	4064.09	4057.70	0.01	0.16
18.00	16.79	4059.48	4063.79	4060.55	0.11	0.08
19.00	19.53	4056.69	4059.04	4053.88	0.06	0.13
20.00	22.30	4044.73	4046.49	4040.70	0.04	0.14
21.00	25.04	4078.08	4081.37	4077.24	0.08	0.10
22.00	27.83	4060.54	4063.66	4059.40	0.08	0.11
23.00	30.79	4006.74	4010.77	4003.99	0.10	0.17
24.00	34.16	2537.14	2538.05	2533.05	0.04	0.20
25.00	60.00	401.82	403.04	402.56	0.30	0.12

