Values at End of Element:

Index	name	key	s (m)	Length (m)	g (1/m)	rho (m)	B_Field (T)	k1 (1/m)	B1_Grad (T/m)	k2 (1/m^2)	B2_Grad (T/m^2)	Phi0	Grad MV/m	X_lim (cm)	Y_lim (cm)
0	BEGINNING	BEGINNING	0.000	0	0	0	0	0	0	0	0	0	0	0	0
1	IP_L0	MARKER	0.000	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
2	Q00#2	QUADRUPOL	0.300	0.30	0	0	0	-0.2317	-4.0881	0	0	0	0	0.0000	0.0000
3	D001	DRIFT	0.565	0.27	0	0	0	0	0	0	0	0	0	0.0000	0.0000
4	HKICK_01W	KICKER	0.629	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
5	D002#1	DRIFT	0.736	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
6	D01W_RFA1_SEG	MARKER	0.736	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
7	D002#2	DRIFT	0.860	0.12	0	0	0	0	0	0	0	0	0	0.0000	0.0000
8	WIG_01W#1	WIGGLER	1.660	0.80	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
9	SCW01W_RFA1_WIG1	MARKER	1.660	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
10	WIG_01W#2	WIGGLER	1.758	0.10	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
11	SCW01W_RFA2_WIG1	MARKER	1.758	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
12	WIG_01W#3	WIGGLER	1.910	0.15	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
13	SCW01W_RFA3_WIG1	MARKER	1.910	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
14	WIG_01W#4	WIGGLER	2.460	0.55	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
15	D003	DRIFT	2.727	0.27	0	0	0	0	0	0	0	0	0	0.0000	0.0000
16	Q01W	QUADRUPOL	3.167	0.44	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
17	D004	DRIFT	3.267	0.10	0	0	0	0	0	0	0	0	0	0.0000	0.0000
18	DET_01W	MARKER	3.267	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
19	D005	DRIFT	3.576	0.31	0	0	0	0	0	0	0	0	0	0.0000	0.0000
20	WIG1_02W#1	WIGGLER	4.376	0.80	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
21	SCW2WA_RFA1_WIG2	MARKER	4.376	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
22	WIG1_02W#2	WIGGLER	4.474	0.10	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
23	SCW2WA_RFA2_WIG2	MARKER	4.474	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
24	WIG1_02W#3	WIGGLER	4.626	0.15	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
25	SCW2WA_RFA3_WIG2	MARKER	4.626	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
26	WIG1_02W#4	WIGGLER	5.176	0.55	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
27	D006	DRIFT	5.304	0.13	0	0	0	0	0	0	0	0	0	0.0000	0.0000
28	WIG2_02W#1	WIGGLER	6.104	0.80	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
29	SCW2WB_RFA1_WIG2	MARKER	6.104	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
30	WIG2_02W#2	WIGGLER	6.202	0.10	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
31	SCW2WB_RFA2_WIG2	MARKER	6.202	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
32	WIG2_02W#3	WIGGLER	6.354	0.15	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
33	SCW2WB_RFA3_WIG2	MARKER	6.354	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
34	WIG2_02W#4	WIGGLER	6.904	0.55	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
35	D007#1	DRIFT	7.167	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
36	D02W_RFA1_SEG	MARKER	7.167	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
37	D007#2	DRIFT	7.639	0.47	0	0	0	0	0	0	0	0	0	0.0000	0.0000
38	SK_Q02W	QUADRUPOL	7.791	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
39	D008	DRIFT	7.988	0.20	0	0	0	0	0	0	0	0	0	0.0000	0.0000
40	Q02W	QUADRUPOL	8.588	0.60	0	0	0	0.3001	5.2949	0	0	0	0	0.0000	0.0000
41	D009	DRIFT	8.685	0.10	0	0	0	0	0	0	0	0	0	0.0000	0.0000
42	DET_02W	MARKER	8.685	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
43	D010	DRIFT	9.004	0.32	0	0	0	0	0	0	0	0	0	0.0000	0.0000
44	B03W	SBEND	11.949	2.95	0.0071	140.6290	0.1255	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
45	D011	DRIFT	12.326	0.38	0	0	0	0	0	0	0	0	0	0.0000	0.0000
46	B03AW	SBEND	13.970	1.64	0.0114	87.8934	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
47	D012	DRIFT	14.184	0.21	0	0	0	0	0	0	0	0	0	0.0000	0.0000
48	DET_03W	MARKER	14.184	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
49	D013	DRIFT	14.357	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
50	Q03W	QUADRUPOL	14.957	0.60	0	0	0	-0.3626	-6.3977	0	0	0	0	0.0000	0.0000
51	D014	DRIFT	15.415	0.46	0	0	0	0	0	0	0	0	0	0.0000	0.0000
52	B04W	SBEND	18.653	3.24	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
53	D015	DRIFT	18.941	0.29	0	0	0	0	0	0	0	0	0	0.0000	0.0000
54	VKICK_04W	KICKER	19.005	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
55	D016	DRIFT	19.365	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
56	Q04W	QUADRUPOL	19.965	0.60	0	0	0	0.4746	8.3732	0	0	0	0	0.0000	0.0000
57	D017	DRIFT	20.127	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
58	DET_04W	MARKER	20.127	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
59	D018	DRIFT	20.460	0.33	0	0	0	0	0	0	0	0	0	0.0000	0.0000
60	B05W	SBEND	23.698	3.24	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
61	D019	DRIFT	23.914	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000
62	SK_Q05W	QUADRUPOL	24.066	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
63	D020	DRIFT	24.410	0.34	0	0	0	0	0	0	0	0	0	0.0000	0.0000
64	Q05W	QUADRUPOL	25.010	0.60	0	0	0	-0.4115	-7.2590	0	0	0	0	0.0000	0.0000
65	D021	DRIFT	25.181	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
66	DET_05W	MARKER	25.181	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
67	D022	DRIFT	25.505	0.32	0	0	0	0	0	0	0	0	0	0.0000	0.0000
68	B06W	SBEND	28.743	3.24	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
69	D023	DRIFT	28.965	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000

70	SK_Q06W	QUADRUPOL	29.117	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
71	D024	DRIFT	29.456	0.34	0	0	0	0	0	0	0	0	0	0.0000	0.0000
72	Q06W	QUADRUPOL	30.056	0.60	0	0	0	0.4812	8.4886	0	0	0	0	0.0000	0.0000
73	D025	DRIFT	30.232	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
74	DET_06W	MARKER	30.232	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
75	D026	DRIFT	30.551	0.32	0	0	0	0	0	0	0	0	0	0.0000	0.0000
76	B07W#1	SBEND	33.600	3.05	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
77	ELS_B1_V_VER_B	MARKER	33.600	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
78	B07W#2	SBEND	33.789	0.19	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
79	D027	DRIFT	34.087	0.30	0	0	0	0	0	0	0	0	0	0.0000	0.0000
80	Q07W	QUADRUPOL	34.687	0.60	0	0	0	-0.4173	-7.3630	0	0	0	0	0.0000	0.0000
81	D028	DRIFT	34.785	0.10	0	0	0	0	0	0	0	0	0	0.0000	0.0000
82	DET_07W	MARKER	34.785	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
83	D029	DRIFT	34.887	0.10	0	0	0	0	0	0	0	0	0	0.0000	0.0000
84	HKICK_07W	KICKER	34.931	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000
85	D030	DRIFT	35.822	0.89	0	0	0	0	0	0	0	0	0	0.0000	0.0000
86	SK_Q07W	QUADRUPOL	35.974	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
87	D031	DRIFT	36.153	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
88	SK_SEX_07W	SEXTUPOLE	36.281	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
89	D032	DRIFT	36.557	0.28	0	0	0	0	0	0	0	0	0	0.0000	0.0000
90	DET_114	MARKER	36.557	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
91	D033	DRIFT	36.774	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000
92	H_SEP_08W	ELSEPARAT	39.216	2.44	0	0	0	0	0	0	0	0	0	0.0000	0.0000
93	D034	DRIFT	39.446	0.23	0	0	0	0	0	0	0	0	0	0.0000	0.0000
94	DET_115	MARKER	39.446	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
95	D035	DRIFT	39.710	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
96	Q08W	QUADRUPOL	40.310	0.60	0	0	0	0.2036	3.5923	0	0	0	0	0.0000	0.0000
97	D036	DRIFT	40.371	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
98	SEX_08W	SEXTUPOLE	40.643	0.27	0	0	0	0	0	0.52	9.2229	0	0	0.0000	0.0000
99	D037	DRIFT	40.935	0.29	0	0	0	0	0	0	0	0	0	0.0000	0.0000
100	DET_08W	MARKER	40.935	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
101	D038	DRIFT	41.691	0.76	0	0	0	0	0	0	0	0	0	0.0000	0.0000
102	RF_W1	RFCAVITY	43.491	1.80	0	0	0	0	0	0	0	0.000	0.8	0.0000	0.0000
103	D039	DRIFT	44.690	1.20	0	0	0	0	0	0	0	0	0	0.0000	0.0000
104	RF_W2	RFCAVITY	46.490	1.80	0	0	0	0	0	0	0	0.000	0.8	0.0000	0.0000
105	D040	DRIFT	47.230	0.74	0	0	0	0	0	0	0	0	0	0.0000	0.0000
106	DET_101	MARKER	47.230	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
107	D041	DRIFT	47.223	-0.01	0	0	0	0	0	0	0	0	0	0.0000	0.0000
108	VKICK_08WA	KICKER	47.286	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
109	D042	DRIFT	47.404	0.12	0	0	0	0	0	0	0	0	0	0.0000	0.0000
110	Q08AW	QUADRUPOL	48.004	0.60	0	0	0	-0.0165	-0.2914	0	0	0	0	0.0000	0.0000
111	D043	DRIFT	48.187	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
112	WIG_W#1	WIGGLER	49.687	1.50	0	22.6182	0	-0.0010	0	0	0	0	0	0.0000	0.0000
113	PLS_G_V_VER_B	MARKER	49.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
114	PLS_G_GFIL_VER_B	MARKER	49.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
115	ELS_A2_V_VER_B	MARKER	49.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
116	ELS_A1_V_VER_B	MARKER	49.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
117	ELS_A_GFIL_VER_B	MARKER	49.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
118	ELS_A_V_VER_B	MARKER	49.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
119	WIG_W#2	WIGGLER	51.187	1.50	0	22.6182	0	-0.0010	0	0	0	0	0	0.0000	0.0000
120	D044	DRIFT	51.446	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
121	DET_09W	MARKER	51.446	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
122	D045	DRIFT	51.544	0.10	0	0	0	0	0	0	0	0	0	0.0000	0.0000
123	Q09W	QUADRUPOL	52.144	0.60	0	0	0	-0.1947	-3.4342	0	0	0	0	0.0000	0.0000
124	D046	DRIFT	52.210	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
125	SEX_09W	SEXTUPOLE	52.482	0.27	0	0	0	0	0	-0.40	-7.1579	0	0	0.0000	0.0000
126	D047	DRIFT	54.016	1.53	0	0	0	0	0	0	0	0	0	0.0000	0.0000
127	SK_Q09W	QUADRUPOL	54.168	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
128	D048	DRIFT	58.055	3.89	0	0	0	0	0	0	0	0	0	0.0000	0.0000
129	Q10W	QUADRUPOL	58.655	0.60	0	0	0	0.2571	4.5352	0	0	0	0	0.0000	0.0000
130	D049	DRIFT	58.719	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
131	SEX_10W	SEXTUPOLE	58.991	0.27	0	0	0	0	0	0.38	6.8518	0	0	0.0000	0.0000
132	D050	DRIFT	59.101	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
133	DET_10W	MARKER	59.101	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
134	D051	DRIFT	59.528	0.43	0	0	0	0	0	0	0	0	0	0.0000	0.0000
135	B11W	SBEND	66.102	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
136	D052	DRIFT	66.338	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
137	DET_11W	MARKER	66.338	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
138	D053	DRIFT	66.529	0.19	0	0	0	0	0	0	0	0	0	0.0000	0.0000
139	Q11W	QUADRUPOL	67.129	0.60	0	0	0	-0.2068	-3.6481	0	0	0	0	0.0000	0.0000
140	D054#1	DRIFT	67.564	0.44	0	0	0	0	0	0	0	0	0	0.0000	0.0000
141	D12W_RFA1_CVC1	MARKER	67.564	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
142	D054#2	DRIFT	67.733	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000

143	B12W#1	SBEND	74.013	6.28	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
144	B12W_RFA2_CVC1	MARKER	74.013	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
145	B12W#2	SBEND	74.307	0.29	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
146	D055	DRIFT	74.752	0.45	0	0	0	0	0	0	0	0	0	0.0000	0.0000
147	SK_SEX_12W	SEXTUPOLE	74.880	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
148	D056	DRIFT	75.629	0.75	0	0	0	0	0	0	0	0	0	0.0000	0.0000
149	DET_102	MARKER	75.629	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
150	D057	DRIFT	75.934	0.30	0	0	0	0	0	0	0	0	0	0.0000	0.0000
151	DET_103	MARKER	75.934	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
152	D058	DRIFT	76.239	0.30	0	0	0	0	0	0	0	0	0	0.0000	0.0000
153	DET_12W	MARKER	76.239	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
154	D059	DRIFT	76.325	0.09	0	0	0	0	0	0	0	0	0	0.0000	0.0000
155	Q12W	QUADRUPOL	76.925	0.60	0	0	0	0.2696	4.7556	0	0	0	0	0.0000	0.0000
156	D060	DRIFT	76.987	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
157	SEX_12W	SEXTUPOLE	77.259	0.27	0	0	0	0	0	2.65	46.8641	0	0	0.0000	0.0000
158	D061	DRIFT	77.862	0.60	0	0	0	0	0	0	0	0	0	0.0000	0.0000
159	B13W	SBEND	84.437	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
160	D062	DRIFT	84.626	0.19	0	0	0	0	0	0	0	0	0	0.0000	0.0000
161	Q13W	QUADRUPOL	85.226	0.60	0	0	0	-0.2226	-3.9279	0	0	0	0	0.0000	0.0000
162	D063	DRIFT	85.289	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
163	SEX_13W	SEXTUPOLE	85.561	0.27	0	0	0	0	0	-1.49	-26.3171	0	0	0.0000	0.0000
164	D064	DRIFT	85.581	0.02	0	0	0	0	0	0	0	0	0	0.0000	0.0000
165	DET_13W	MARKER	85.581	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
166	D065#1	DRIFT	86.380	0.80	0	0	0	0	0	0	0	0	0	0.0000	0.0000
167	D14BW_RFA4_SEG	MARKER	86.380	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
168	D065#2	DRIFT	87.962	1.58	0	0	0	0	0	0	0	0	0	0.0000	0.0000
169	D14BW_RFA1_APS	MARKER	87.962	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
170	D065#3	DRIFT	88.057	0.09	0	0	0	0	0	0	0	0	0	0.0000	0.0000
171	D14BW_RFA2_SEG	MARKER	88.057	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
172	D065#4	DRIFT	88.164	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
173	D14BW_RFA3_APS	MARKER	88.164	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
174	D065#5	DRIFT	91.502	3.34	0	0	0	0	0	0	0	0	0	0.0000	0.0000
175	DET_14W	MARKER	91.502	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
176	D066	DRIFT	91.530	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
177	Q14W	QUADRUPOL	92.130	0.60	0	0	0	0.2818	4.9710	0	0	0	0	0.0000	0.0000
178	D067	DRIFT	92.196	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
179	SEX_14W	SEXTUPOLE	92.468	0.27	0	0	0	0	0	0.76	13.5616	0	0	0.0000	0.0000
180	D068	DRIFT	92.624	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
181	B15W	SBEND	99.200	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
182	D069#1	DRIFT	100.318	1.12	0	0	0	0	0	0	0	0	0	0.0000	0.0000
183	D15W_RFA1_CVC3	MARKER	100.318	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
184	D069#2	DRIFT	100.711	0.39	0	0	0	0	0	0	0	0	0	0.0000	0.0000
185	D15W_SP1_CSP1	MARKER	100.711	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
186	D069#3	DRIFT	100.740	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
187	D15W_SP2_CSP1	MARKER	100.740	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
188	D069#4	DRIFT	100.810	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
189	D15W_SP3O_CSP1	MARKER	100.810	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
190	D15W_SP3I_CSP1	MARKER	100.810	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
191	D069#5	DRIFT	101.395	0.59	0	0	0	0	0	0	0	0	0	0.0000	0.0000
192	DET_15W	MARKER	101.395	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
193	D070	DRIFT	101.462	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
194	Q15W	QUADRUPOL	102.062	0.60	0	0	0	-0.2062	-3.6376	0	0	0	0	0.0000	0.0000
195	D071	DRIFT	102.127	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
196	SEX_15W	SEXTUPOLE	102.399	0.27	0	0	0	0	0	-1.83	-32.4086	0	0	0.0000	0.0000
197	D072	DRIFT	102.936	0.54	0	0	0	0	0	0	0	0	0	0.0000	0.0000
198	B16W	SBEND	109.510	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
199	D073	DRIFT	109.667	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
200	Q16W	QUADRUPOL	110.267	0.60	0	0	0	0.2484	4.3822	0	0	0	0	0.0000	0.0000
201	D074	DRIFT	110.334	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
202	SEX_16W	SEXTUPOLE	110.606	0.27	0	0	0	0	0	0.78	13.9345	0	0	0.0000	0.0000
203	D075	DRIFT	110.643	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000
204	DET_16W	MARKER	110.643	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
205	D076	DRIFT	110.652	0.01	0	0	0	0	0	0	0	0	0	0.0000	0.0000
206	VKICK_16W	KICKER	110.902	0.25	0	0	0	0	0	0	0	0	0	0.0000	0.0000
207	D077	DRIFT	111.140	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
208	B17W	SBEND	117.714	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
209	D078	DRIFT	117.871	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
210	Q17W	QUADRUPOL	118.471	0.60	0	0	0	-0.2343	-4.1330	0	0	0	0	0.0000	0.0000
211	D079	DRIFT	118.535	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
212	SEX_17W	SEXTUPOLE	118.807	0.27	0	0	0	0	0	-0.93	-16.4161	0	0	0.0000	0.0000
213	D080	DRIFT	118.857	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
214	DET_17W	MARKER	118.857	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
215	D081	DRIFT	119.344	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000

216	B18W	SBEND	125.919	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
217	D082	DRIFT	126.076	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
218	Q18W	QUADRUPOL	126.676	0.60	0	0	0	0.2405	4.2423	0	0	0	0	0.0000	0.0000
219	D083	DRIFT	126.733	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
220	SEX_18W	SEXTUPOLE	127.005	0.27	0	0	0	0	0	0.62	11.0362	0	0	0.0000	0.0000
221	D084	DRIFT	127.033	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
222	DET_18W	MARKER	127.033	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
223	D085	DRIFT	127.391	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
224	WIG1_18W	WIGGLER	128.991	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
225	D086	DRIFT	129.119	0.13	0	0	0	0	0	0	0	0	0	0.0000	0.0000
226	WIG2_18W	WIGGLER	130.719	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
227	D087	DRIFT	130.847	0.13	0	0	0	0	0	0	0	0	0	0.0000	0.0000
228	WIG3_18W	WIGGLER	132.447	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
229	D088	DRIFT	132.663	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000
230	DET_19W	MARKER	132.663	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
231	D089	DRIFT	132.736	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
232	Q19W	QUADRUPOL	133.336	0.60	0	0	0	-0.2991	-5.2768	0	0	0	0	0.0000	0.0000
233	D090	DRIFT	133.399	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
234	SEX_19W	SEXTUPOLE	133.671	0.27	0	0	0	0	0	-1.17	-20.7720	0	0	0.0000	0.0000
235	D091	DRIFT	134.209	0.54	0	0	0	0	0	0	0	0	0	0.0000	0.0000
236	B20W	SBEND	140.783	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
237	D092	DRIFT	140.940	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
238	Q20W	QUADRUPOL	141.540	0.60	0	0	0	0.2300	4.0584	0	0	0	0	0.0000	0.0000
239	D093	DRIFT	141.607	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
240	SEX_20W	SEXTUPOLE	141.879	0.27	0	0	0	0	0	0.72	12.8361	0	0	0.0000	0.0000
241	D094	DRIFT	141.925	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
242	DET_20W	MARKER	141.925	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
243	D095	DRIFT	142.413	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
244	B21W	SBEND	148.988	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
245	D096	DRIFT	149.145	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
246	Q21W	QUADRUPOL	149.745	0.60	0	0	0	-0.2821	-4.9768	0	0	0	0	0.0000	0.0000
247	D097	DRIFT	149.809	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
248	SEX_21W	SEXTUPOLE	150.081	0.27	0	0	0	0	0	-1.45	-25.5809	0	0	0.0000	0.0000
249	D098	DRIFT	150.129	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
250	DET_21W	MARKER	150.129	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
251	D099	DRIFT	150.618	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
252	B22W	SBEND	157.192	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
253	D100	DRIFT	157.349	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
254	Q22W	QUADRUPOL	157.949	0.60	0	0	0	0.2588	4.5652	0	0	0	0	0.0000	0.0000
255	D101	DRIFT	158.015	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
256	SEX_22W	SEXTUPOLE	158.287	0.27	0	0	0	0	0	-0.02	-0.4882	0	0	0.0000	0.0000
257	D102	DRIFT	158.333	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
258	DET_22W	MARKER	158.333	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
259	D103	DRIFT	158.822	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
260	B23W	SBEND	165.396	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
261	D104	DRIFT	165.554	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
262	Q23W	QUADRUPOL	166.154	0.60	0	0	0	-0.2513	-4.4341	0	0	0	0	0.0000	0.0000
263	D105	DRIFT	166.219	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
264	SEX_23W	SEXTUPOLE	166.491	0.27	0	0	0	0	0	-0.41	-7.3500	0	0	0.0000	0.0000
265	D106	DRIFT	166.516	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
266	DET_23W	MARKER	166.516	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
267	D107	DRIFT	167.071	0.55	0	0	0	0	0	0	0	0	0	0.0000	0.0000
268	SK_SEX_23W	SEXTUPOLE	167.199	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
269	D108	DRIFT	168.206	1.01	0	0	0	0	0	0	0	0	0	0.0000	0.0000
270	DET_105	MARKER	168.206	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
271	D109	DRIFT	169.027	0.82	0	0	0	0	0	0	0	0	0	0.0000	0.0000
272	B24W	SBEND	175.601	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
273	D110	DRIFT	175.758	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
274	Q24W	QUADRUPOL	176.358	0.60	0	0	0	0.2451	4.3242	0	0	0	0	0.0000	0.0000
275	D111	DRIFT	176.422	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
276	SEX_24W	SEXTUPOLE	176.694	0.27	0	0	0	0	0	0.02	0.4547	0	0	0.0000	0.0000
277	D112	DRIFT	176.742	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
278	DET_24W	MARKER	176.742	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
279	D113	DRIFT	177.231	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
280	B25W	SBEND	183.805	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
281	D114	DRIFT	183.963	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
282	Q25W	QUADRUPOL	184.563	0.60	0	0	0	-0.3095	-5.4601	0	0	0	0	0.0000	0.0000
283	D115	DRIFT	184.627	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
284	SEX_25W	SEXTUPOLE	184.899	0.27	0	0	0	0	0	-0.24	-4.3007	0	0	0.0000	0.0000
285	D116	DRIFT	184.947	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
286	DET_25W	MARKER	184.947	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
287	D117	DRIFT	185.436	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
288	B26W	SBEND	192.010	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000

289	D118	DRIFT	192.167	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
290	Q26W	QUADRUPOL	192.767	0.60	0	0	0	0.2649	4.6738	0	0	0	0	0.0000	0.0000
291	D119	DRIFT	192.834	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
292	SEX_26W	SEXTUPOLE	193.106	0.27	0	0	0	0	0	0.52	9.2510	0	0	0.0000	0.0000
293	D120	DRIFT	193.130	0.02	0	0	0	0	0	0	0	0	0	0.0000	0.0000
294	DET_26W	MARKER	193.130	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
295	D121	DRIFT	193.271	0.14	0	0	0	0	0	0	0	0	0	0.0000	0.0000
296	BUMP_26W	KICKER	193.500	0.23	0	0	0	0	0	0	0	0	0	0.0000	0.0000
297	D122	DRIFT	193.865	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
298	B27W	SBEND	200.439	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
299	D123	DRIFT	200.596	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
300	Q27W	QUADRUPOL	201.196	0.60	0	0	0	-0.3160	-5.5750	0	0	0	0	0.0000	0.0000
301	D124	DRIFT	201.264	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
302	SEX_27W	SEXTUPOLE	201.536	0.27	0	0	0	0	0	0.87	15.4193	0	0	0.0000	0.0000
303	D125	DRIFT	201.583	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
304	DET_27W	MARKER	201.583	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
305	D126	DRIFT	202.069	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
306	B28W	SBEND	208.644	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
307	D127	DRIFT	208.801	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
308	Q28W	QUADRUPOL	209.401	0.60	0	0	0	0.2414	4.2589	0	0	0	0	0.0000	0.0000
309	D128	DRIFT	209.467	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
310	SEX_28W	SEXTUPOLE	209.739	0.27	0	0	0	0	0	-0.14	-2.5289	0	0	0.0000	0.0000
311	D129	DRIFT	209.765	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
312	DET_28W	MARKER	209.765	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
313	D130	DRIFT	209.909	0.14	0	0	0	0	0	0	0	0	0	0.0000	0.0000
314	BUMP_28W	KICKER	210.138	0.23	0	0	0	0	0	0	0	0	0	0.0000	0.0000
315	D131	DRIFT	210.499	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
316	B29W	SBEND	217.073	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
317	D132	DRIFT	217.230	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
318	Q29W	QUADRUPOL	217.830	0.60	0	0	0	-0.2461	-4.3410	0	0	0	0	0.0000	0.0000
319	D133	DRIFT	217.895	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
320	SEX_29W	SEXTUPOLE	218.167	0.27	0	0	0	0	0	-0.11	-1.9669	0	0	0.0000	0.0000
321	D134	DRIFT	218.194	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
322	DET_29W	MARKER	218.194	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
323	D135	DRIFT	219.152	0.96	0	0	0	0	0	0	0	0	0	0.0000	0.0000
324	SK_SEX_29W	SEXTUPOLE	219.279	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
325	D136	DRIFT	219.783	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
326	B30W	SBEND	226.358	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
327	D137	DRIFT	226.515	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
328	Q30W	QUADRUPOL	227.115	0.60	0	0	0	0.2489	4.3909	0	0	0	0	0.0000	0.0000
329	D138	DRIFT	227.179	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
330	SEX_30W	SEXTUPOLE	227.451	0.27	0	0	0	0	0	0.25	4.5437	0	0	0.0000	0.0000
331	D139	DRIFT	227.477	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
332	DET_30W	MARKER	227.477	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
333	D140	DRIFT	228.213	0.74	0	0	0	0	0	0	0	0	0	0.0000	0.0000
334	B31W	SBEND	234.787	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
335	D141	DRIFT	234.944	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
336	Q31W	QUADRUPOL	235.544	0.60	0	0	0	-0.2279	-4.0205	0	0	0	0	0.0000	0.0000
337	D142	DRIFT	235.611	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
338	SEX_31W	SEXTUPOLE	235.883	0.27	0	0	0	0	0	-1.53	-27.0656	0	0	0.0000	0.0000
339	D143	DRIFT	235.930	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
340	DET_31W	MARKER	235.930	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
341	D144	DRIFT	236.417	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
342	B32W	SBEND	242.992	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
343	D145	DRIFT	243.149	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
344	Q32W	QUADRUPOL	243.749	0.60	0	0	0	0.1989	3.5085	0	0	0	0	0.0000	0.0000
345	D146	DRIFT	243.810	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
346	SEX_32W	SEXTUPOLE	244.082	0.27	0	0	0	0	0	1.47	26.0327	0	0	0.0000	0.0000
347	D147	DRIFT	244.107	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
348	DET_32W	MARKER	244.107	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
349	D148	DRIFT	244.847	0.74	0	0	0	0	0	0	0	0	0	0.0000	0.0000
350	B33W	SBEND	251.421	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
351	D149	DRIFT	251.578	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
352	Q33W	QUADRUPOL	252.178	0.60	0	0	0	-0.2035	-3.5910	0	0	0	0	0.0000	0.0000
353	D150	DRIFT	252.243	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
354	SEX_33W	SEXTUPOLE	252.515	0.27	0	0	0	0	0	-1.47	-26.0943	0	0	0.0000	0.0000
355	D151	DRIFT	252.998	0.48	0	0	0	0	0	0	0	0	0	0.0000	0.0000
356	DET_33W	MARKER	252.998	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
357	D152	DRIFT	255.612	2.61	0	0	0	0	0	0	0	0	0	0.0000	0.0000
358	DET_34W	MARKER	255.612	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
359	D153	DRIFT	257.548	1.94	0	0	0	0	0	0	0	0	0	0.0000	0.0000
360	Q34W	QUADRUPOL	258.148	0.60	0	0	0	0.2249	3.9684	0	0	0	0	0.0000	0.0000
361	D154	DRIFT	258.185	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000

362	SEX_34W	SEXTUPOLE	258.457	0.27	0	0	0	0	0	0.78	13.8981	0	0	0.0000	0.0000
363	D155	DRIFT	258.716	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
364	B35W	SBEND	265.291	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
365	D156	DRIFT	265.448	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
366	Q35W	QUADRUPOL	266.048	0.60	0	0	0	-0.1618	-2.8552	0	0	0	0	0.0000	0.0000
367	D157	DRIFT	266.112	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
368	SEX_35W	SEXTUPOLE	266.384	0.27	0	0	0	0	0	-0.41	-7.2918	0	0	0.0000	0.0000
369	D158	DRIFT	266.416	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
370	DET_35W	MARKER	266.416	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
371	D159	DRIFT	267.073	0.66	0	0	0	0	0	0	0	0	0	0.0000	0.0000
372	B36W	SBEND	273.648	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
373	D160	DRIFT	274.811	1.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
374	DET_106	MARKER	274.811	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
375	D161	DRIFT	274.934	0.12	0	0	0	0	0	0	0	0	0	0.0000	0.0000
376	PINGER_36W	KICKER	275.590	0.66	0	0	0	0	0	0	0	0	0	0.0000	0.0000
377	D162	DRIFT	275.768	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
378	BUMP_36W	KICKER	275.993	0.23	0	0	0	0	0	0	0	0	0	0.0000	0.0000
379	D163	DRIFT	276.419	0.43	0	0	0	0	0	0	0	0	0	0.0000	0.0000
380	Q36W	QUADRUPOL	277.019	0.60	0	0	0	0.1890	3.3348	0	0	0	0	0.0000	0.0000
381	D164	DRIFT	277.084	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
382	SEX_36W	SEXTUPOLE	277.356	0.27	0	0	0	0	0	0.00	0.0147	0	0	0.0000	0.0000
383	D165	DRIFT	277.381	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
384	DET_36W	MARKER	277.381	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
385	D166	DRIFT	277.702	0.32	0	0	0	0	0	0	0	0	0	0.0000	0.0000
386	B37W	SBEND	284.276	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
387	D167	DRIFT	284.433	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
388	Q37W	QUADRUPOL	285.033	0.60	0	0	0	-0.2075	-3.6606	0	0	0	0	0.0000	0.0000
389	D168	DRIFT	285.099	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
390	SEX_37W	SEXTUPOLE	285.371	0.27	0	0	0	0	0	-0.72	-12.7226	0	0	0.0000	0.0000
391	D169	DRIFT	285.417	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
392	DET_37W	MARKER	285.417	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
393	D170	DRIFT	285.907	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
394	B38W	SBEND	292.481	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
395	D171	DRIFT	292.638	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
396	Q38W	QUADRUPOL	293.238	0.60	0	0	0	0.2275	4.0140	0	0	0	0	0.0000	0.0000
397	D172	DRIFT	293.301	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
398	SEX_38W	SEXTUPOLE	293.573	0.27	0	0	0	0	0	1.33	23.5523	0	0	0.0000	0.0000
399	D173	DRIFT	293.600	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
400	DET_38W	MARKER	293.600	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
401	D174	DRIFT	294.336	0.74	0	0	0	0	0	0	0	0	0	0.0000	0.0000
402	B39W	SBEND	300.910	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
403	D175	DRIFT	301.067	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
404	Q39W	QUADRUPOL	301.667	0.60	0	0	0	-0.2473	-4.3633	0	0	0	0	0.0000	0.0000
405	D176	DRIFT	301.731	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
406	SEX_39W	SEXTUPOLE	302.003	0.27	0	0	0	0	0	-1.71	-30.1984	0	0	0.0000	0.0000
407	D177	DRIFT	302.051	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
408	DET_39W	MARKER	302.051	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
409	D178	DRIFT	302.540	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
410	B40W	SBEND	309.115	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
411	D179	DRIFT	309.272	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
412	Q40W	QUADRUPOL	309.872	0.60	0	0	0	0.2598	4.5840	0	0	0	0	0.0000	0.0000
413	D180	DRIFT	309.937	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
414	SEX_40W	SEXTUPOLE	310.209	0.27	0	0	0	0	0	0.04	0.8467	0	0	0.0000	0.0000
415	D181	DRIFT	310.256	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
416	DET_40W	MARKER	310.256	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
417	D182	DRIFT	310.745	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
418	B41W	SBEND	317.319	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
419	D183	DRIFT	317.476	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
420	Q41W	QUADRUPOL	318.076	0.60	0	0	0	-0.2688	-4.7414	0	0	0	0	0.0000	0.0000
421	D184	DRIFT	318.142	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
422	SEX_41W	SEXTUPOLE	318.414	0.27	0	0	0	0	0	0.37	6.6759	0	0	0.0000	0.0000
423	D185	DRIFT	318.460	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
424	DET_41W	MARKER	318.460	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
425	D186	DRIFT	318.949	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
426	B42W	SBEND	325.523	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
427	D187	DRIFT	325.681	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
428	Q42W	QUADRUPOL	326.281	0.60	0	0	0	0.2177	3.8413	0	0	0	0	0.0000	0.0000
429	D188	DRIFT	326.347	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
430	SEX_42W	SEXTUPOLE	326.619	0.27	0	0	0	0	0	-0.67	-11.8881	0	0	0.0000	0.0000
431	D189	DRIFT	326.642	0.02	0	0	0	0	0	0	0	0	0	0.0000	0.0000
432	DET_42W	MARKER	326.642	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
433	D190	DRIFT	327.154	0.51	0	0	0	0	0	0	0	0	0	0.0000	0.0000
434	B43W	SBEND	333.728	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000

435	D191	DRIFT	333.885	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
436	Q43W	QUADRUPOL	334.485	0.60	0	0	0	-0.2754	-4.8590	0	0	0	0	0.0000	0.0000
437	D192	DRIFT	334.546	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
438	SEX_43W	SEXTUPOLE	334.818	0.27	0	0	0	0	0	-0.34	-6.0567	0	0	0.0000	0.0000
439	D193	DRIFT	334.849	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
440	DET_43W	MARKER	334.849	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
441	D194	DRIFT	337.019	2.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
442	DET_107	MARKER	337.019	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
443	D195	DRIFT	337.081	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
444	Q43AW	QUADRUPOL	337.681	0.60	0	0	0	0.2682	4.7312	0	0	0	0	0.0000	0.0000
445	D196	DRIFT	338.131	0.45	0	0	0	0	0	0	0	0	0	0.0000	0.0000
446	B44W	SBEND	344.706	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
447	D197	DRIFT	344.889	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
448	Q44W	QUADRUPOL	345.489	0.60	0	0	0	-0.2024	-3.5707	0	0	0	0	0.0000	0.0000
449	D198	DRIFT	345.552	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
450	SEX_44W	SEXTUPOLE	345.824	0.27	0	0	0	0	0	-0.03	-0.6078	0	0	0.0000	0.0000
451	D199	DRIFT	345.851	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
452	DET_44W	MARKER	345.851	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
453	D200	DRIFT	346.704	0.85	0	0	0	0	0	0	0	0	0	0.0000	0.0000
454	H_SEP_45W	ELSEPARAT	349.093	2.39	0	0	0	0	0	0	0	0	0	0.0000	0.0000
455	D201	DRIFT	349.613	0.52	0	0	0	0	0	0	0	0	0	0.0000	0.0000
456	OCT_45W	OCTUPOLE	349.994	0.38	0	0	0	0	0	0	0	0	0	0.0000	0.0000
457	D202	DRIFT	351.168	1.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
458	DET_45W	MARKER	351.168	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
459	D203	DRIFT	351.228	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
460	Q45W	QUADRUPOL	351.828	0.60	0	0	0	0.3160	5.5755	0	0	0	0	0.0000	0.0000
461	D204	DRIFT	351.893	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
462	SEX_45W	SEXTUPOLE	352.165	0.27	0	0	0	0	0	0.64	11.3532	0	0	0.0000	0.0000
463	D205	DRIFT	352.701	0.54	0	0	0	0	0	0	0	0	0	0.0000	0.0000
464	B46W	SBEND	359.277	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
465	D206	DRIFT	359.459	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
466	Q46W	QUADRUPOL	360.059	0.60	0	0	0	-0.2396	-4.2263	0	0	0	0	0.0000	0.0000
467	D207	DRIFT	360.137	0.08	0	0	0	0	0	0	0	0	0	0.0000	0.0000
468	DET_46W	MARKER	360.137	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
469	D208	DRIFT	361.385	1.25	0	0	0	0	0	0	0	0	0	0.0000	0.0000
470	B47W	SBEND	364.673	3.29	0.0114	87.8962	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
471	D209	DRIFT	365.015	0.34	0	0	0	0	0	0	0	0	0	0.0000	0.0000
472	SK_Q47W	QUADRUPOL	365.167	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
473	D210	DRIFT	365.527	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
474	Q47W	QUADRUPOL	366.127	0.60	0	0	0	0.4724	8.3350	0	0	0	0	0.0000	0.0000
475	D211	DRIFT	366.209	0.08	0	0	0	0	0	0	0	0	0	0.0000	0.0000
476	SEX_47W	SEXTUPOLE	366.481	0.27	0	0	0	0	0	2.62	46.2917	0	0	0.0000	0.0000
477	D212	DRIFT	366.793	0.31	0	0	0	0	0	0	0	0	0	0.0000	0.0000
478	DET_47W	MARKER	366.793	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
479	D213	DRIFT	367.232	0.44	0	0	0	0	0	0	0	0	0	0.0000	0.0000
480	B47AW	SBEND	370.410	3.18	0.0287	34.8171	0.5067	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
481	D214	DRIFT	370.911	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
482	Q47AW	QUADRUPOL	371.511	0.60	0	0	0	-0.3471	-6.1233	0	0	0	0	0.0000	0.0000
483	D215	DRIFT	371.625	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
484	DET_108	MARKER	371.625	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
485	D216	DRIFT	372.301	0.68	0	0	0	0	0	0	0	0	0	0.0000	0.0000
486	B48W	SBEND	375.247	2.95	0.0071	140.6290	0.1255	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
487	D217	DRIFT	375.957	0.71	0	0	0	0	0	0	0	0	0	0.0000	0.0000
488	DET_109	MARKER	375.957	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
489	D218	DRIFT	376.249	0.29	0	0	0	0	0	0	0	0	0	0.0000	0.0000
490	HKICK_48W	KICKER	376.494	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
491	D219	DRIFT	376.818	0.32	0	0	0	0	0	0	0	0	0	0.0000	0.0000
492	SK_Q48W	QUADRUPOL	376.991	0.17	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
493	D220	DRIFT	378.633	1.64	0	0	0	0	0	0	0	0	0	0.0000	0.0000
494	Q48W	QUADRUPOL	379.233	0.60	0	0	0	0.4179	7.3735	0	0	0	0	0.0000	0.0000
495	D221	DRIFT	379.687	0.45	0	0	0	0	0	0	0	0	0	0.0000	0.0000
496	DET_48W	MARKER	379.687	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
497	D222	DRIFT	380.830	1.14	0	0	0	0	0	0	0	0	0	0.0000	0.0000
498	CHICANE_49W1#1	KICKER	380.994	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
499	CHC49W_RFA1_TR	MARKER	380.994	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
500	CHICANE_49W1#2	KICKER	381.172	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
501	D223	DRIFT	381.560	0.39	0	0	0	0	0	0	0	0	0	0.0000	0.0000
502	CHICANE_49W2#1	KICKER	381.731	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
503	CHC49W_RFA2_TR	MARKER	381.731	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
504	CHICANE_49W2#2	KICKER	381.903	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
505	D224	DRIFT	382.293	0.39	0	0	0	0	0	0	0	0	0	0.0000	0.0000
506	CHICANE_49W3#1	KICKER	382.468	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
507	CHC49W_RFA3_TR	MARKER	382.468	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000

508	CHICANE_49W3#2	KICKER	382.636	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
509	D225	DRIFT	383.031	0.40	0	0	0	0	0	0	0	0	0	0.0000	0.0000
510	CHICANE_49W4#1	KICKER	383.199	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
511	CHC49W_RFA4_TR	MARKER	383.199	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
512	CHICANE_49W4#2	KICKER	383.374	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
513	D226	DRIFT	383.738	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
514	Q49#1	QUADRUPOL	384.213	0.47	0	0	0	-0.3470	-6.1222	0	0	0	0	0.0000	0.0000
515	IP_L3	MARKER	384.213	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
516	Q49#2	QUADRUPOL	384.688	0.48	0	0	0	-0.3470	-6.1222	0	0	0	0	0.0000	0.0000
517	D227	DRIFT	385.117	0.43	0	0	0	0	0	0	0	0	0	0.0000	0.0000
518	DET_49E	MARKER	385.117	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
519	D228	DRIFT	385.574	0.46	0	0	0	0	0	0	0	0	0	0.0000	0.0000
520	VKICK_49E	KICKER	385.746	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
521	D229#1	DRIFT	386.314	0.57	0	0	0	0	0	0	0	0	0	0.0000	0.0000
522	D49E_RFA3_APS	MARKER	386.314	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
523	D229#2	DRIFT	386.426	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
524	D49E_RFA2_APS	MARKER	386.426	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
525	D229#3	DRIFT	386.630	0.20	0	0	0	0	0	0	0	0	0	0.0000	0.0000
526	D49E_SP1_LBNL1	MARKER	386.630	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
527	D229#4	DRIFT	388.055	1.43	0	0	0	0	0	0	0	0	0	0.0000	0.0000
528	D49E_RFA1_SLAC2	MARKER	388.055	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
529	D229#5	DRIFT	389.052	1.00	0	0	0	0	0	0	0	0	0	0.0000	0.0000
530	DET_48E	MARKER	389.052	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
531	D230	DRIFT	389.219	0.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
532	Q48E	QUADRUPOL	389.819	0.60	0	0	0	0.4179	7.3735	0	0	0	0	0.0000	0.0000
533	D231	DRIFT	391.175	1.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
534	SK_Q48E	QUADRUPOL	391.348	0.17	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
535	D232	DRIFT	392.223	0.88	0	0	0	0	0	0	0	0	0	0.0000	0.0000
536	DET_111	MARKER	392.223	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
537	D233	DRIFT	393.191	0.97	0	0	0	0	0	0	0	0	0	0.0000	0.0000
538	B48E	SBEND	396.136	2.95	0.0071	140.6290	0.1255	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
539	D234	DRIFT	396.806	0.67	0	0	0	0	0	0	0	0	0	0.0000	0.0000
540	DET_112	MARKER	396.806	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
541	D235	DRIFT	396.926	0.12	0	0	0	0	0	0	0	0	0	0.0000	0.0000
542	Q47AE	QUADRUPOL	397.526	0.60	0	0	0	-0.3471	-6.1233	0	0	0	0	0.0000	0.0000
543	D236	DRIFT	398.028	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
544	B47AE	SBEND	401.205	3.18	0.0287	34.8171	0.5067	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
545	D237	DRIFT	401.647	0.44	0	0	0	0	0	0	0	0	0	0.0000	0.0000
546	DET_47E	MARKER	401.647	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
547	D238	DRIFT	401.973	0.33	0	0	0	0	0	0	0	0	0	0.0000	0.0000
548	SEX_47E	SEXTUPOLE	402.245	0.27	0	0	0	0	0	2.62	46.2917	0	0	0.0000	0.0000
549	D239	DRIFT	402.311	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
550	Q47E	QUADRUPOL	402.911	0.60	0	0	0	0.4724	8.3350	0	0	0	0	0.0000	0.0000
551	D240	DRIFT	403.290	0.38	0	0	0	0	0	0	0	0	0	0.0000	0.0000
552	SK_Q47E	QUADRUPOL	403.442	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
553	D241	DRIFT	403.765	0.32	0	0	0	0	0	0	0	0	0	0.0000	0.0000
554	B47E	SBEND	407.052	3.29	0.0114	87.8962	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
555	D242	DRIFT	408.290	1.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
556	DET_46E	MARKER	408.290	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
557	D243	DRIFT	408.378	0.09	0	0	0	0	0	0	0	0	0	0.0000	0.0000
558	Q46E	QUADRUPOL	408.978	0.60	0	0	0	-0.2396	-4.2263	0	0	0	0	0.0000	0.0000
559	D244	DRIFT	409.161	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
560	B46E	SBEND	415.736	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
561	D245	DRIFT	416.273	0.54	0	0	0	0	0	0	0	0	0	0.0000	0.0000
562	SEX_45E	SEXTUPOLE	416.545	0.27	0	0	0	0	0	0.64	11.3532	0	0	0.0000	0.0000
563	D246	DRIFT	416.609	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
564	Q45E	QUADRUPOL	417.209	0.60	0	0	0	0.3160	5.5755	0	0	0	0	0.0000	0.0000
565	D247	DRIFT	417.281	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
566	DET_45E	MARKER	417.281	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
567	D248	DRIFT	418.452	1.17	0	0	0	0	0	0	0	0	0	0.0000	0.0000
568	OCT_45E	OCTUPOLE	418.833	0.38	0	0	0	0	0	0	0	0	0	0.0000	0.0000
569	D249	DRIFT	419.358	0.53	0	0	0	0	0	0	0	0	0	0.0000	0.0000
570	H_SEP_45E	ELSEPARAT	421.747	2.39	0	0	0	0	0	0	0	0	0	0.0000	0.0000
571	D250	DRIFT	422.587	0.84	0	0	0	0	0	0	0	0	0	0.0000	0.0000
572	DET_44E	MARKER	422.587	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
573	D251	DRIFT	422.613	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
574	SEX_44E	SEXTUPOLE	422.885	0.27	0	0	0	0	0	-0.03	-0.6078	0	0	0.0000	0.0000
575	D252	DRIFT	422.949	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
576	Q44E	QUADRUPOL	423.549	0.60	0	0	0	-0.2024	-3.5707	0	0	0	0	0.0000	0.0000
577	D253	DRIFT	423.732	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
578	B44E	SBEND	430.307	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
579	D254	DRIFT	430.758	0.45	0	0	0	0	0	0	0	0	0	0.0000	0.0000
580	Q43AE	QUADRUPOL	431.358	0.60	0	0	0	0.2682	4.7312	0	0	0	0	0.0000	0.0000

581	D255	DRIFT	431.406	0.05	0	0	0	0	0	0	0	0	0.0000	0.0000
582	DET_113	MARKER	431.406	0	0	0	0	0	0	0	0	0	0.0000	0.0000
583	D256	DRIFT	433.581	2.18	0	0	0	0	0	0	0	0	0.0000	0.0000
584	DET_43E	MARKER	433.581	0	0	0	0	0	0	0	0	0	0.0000	0.0000
585	D257	DRIFT	433.617	0.04	0	0	0	0	0	0	0	0	0.0000	0.0000
586	SEX_43E	SEXTUPOLE	433.889	0.27	0	0	0	0	0	-0.34	-6.0567	0	0.0000	0.0000
587	D258	DRIFT	433.953	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
588	Q43E	QUADRUPOL	434.553	0.60	0	0	0	-0.2754	-4.8590	0	0	0	0.0000	0.0000
589	D259	DRIFT	434.710	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
590	B43E	SBEND	441.284	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
591	D260	DRIFT	441.787	0.50	0	0	0	0	0	0	0	0	0.0000	0.0000
592	DET_42E	MARKER	441.787	0	0	0	0	0	0	0	0	0	0.0000	0.0000
593	D261	DRIFT	441.824	0.04	0	0	0	0	0	0	0	0	0.0000	0.0000
594	SEX_42E	SEXTUPOLE	442.096	0.27	0	0	0	0	0	-0.67	-11.8881	0	0.0000	0.0000
595	D262	DRIFT	442.157	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
596	Q42E	QUADRUPOL	442.757	0.60	0	0	0	0.2177	3.8413	0	0	0	0.0000	0.0000
597	D263	DRIFT	442.914	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
598	B42E	SBEND	449.489	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
599	D264	DRIFT	449.977	0.49	0	0	0	0	0	0	0	0	0.0000	0.0000
600	DET_41E	MARKER	449.977	0	0	0	0	0	0	0	0	0	0.0000	0.0000
601	D265	DRIFT	450.026	0.05	0	0	0	0	0	0	0	0	0.0000	0.0000
602	SEX_41E	SEXTUPOLE	450.298	0.27	0	0	0	0	0	0.37	6.6759	0	0.0000	0.0000
603	D266	DRIFT	450.362	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
604	Q41E	QUADRUPOL	450.962	0.60	0	0	0	-0.2688	-4.7414	0	0	0	0.0000	0.0000
605	D267	DRIFT	451.119	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
606	B41E	SBEND	457.693	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
607	D268	DRIFT	458.182	0.49	0	0	0	0	0	0	0	0	0.0000	0.0000
608	DET_40E	MARKER	458.182	0	0	0	0	0	0	0	0	0	0.0000	0.0000
609	D269	DRIFT	458.229	0.05	0	0	0	0	0	0	0	0	0.0000	0.0000
610	SEX_40E	SEXTUPOLE	458.501	0.27	0	0	0	0	0	0.04	0.8467	0	0.0000	0.0000
611	D270	DRIFT	458.566	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
612	Q40E	QUADRUPOL	459.166	0.60	0	0	0	0.2598	4.5840	0	0	0	0.0000	0.0000
613	D271	DRIFT	459.323	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
614	B40E	SBEND	465.897	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
615	D272	DRIFT	466.386	0.49	0	0	0	0	0	0	0	0	0.0000	0.0000
616	DET_39E	MARKER	466.386	0	0	0	0	0	0	0	0	0	0.0000	0.0000
617	D273	DRIFT	466.433	0.05	0	0	0	0	0	0	0	0	0.0000	0.0000
618	SEX_39E	SEXTUPOLE	466.705	0.27	0	0	0	0	0	-1.71	-30.1984	0	0.0000	0.0000
619	D274	DRIFT	466.770	0.07	0	0	0	0	0	0	0	0	0.0000	0.0000
620	Q39E	QUADRUPOL	467.370	0.60	0	0	0	-0.2473	-4.3633	0	0	0	0.0000	0.0000
621	D275	DRIFT	467.528	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
622	B39E	SBEND	474.102	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
623	D276	DRIFT	474.465	0.36	0	0	0	0	0	0	0	0	0.0000	0.0000
624	BUMP_38E	KICKER	474.694	0.23	0	0	0	0	0	0	0	0	0.0000	0.0000
625	D277	DRIFT	474.823	0.13	0	0	0	0	0	0	0	0	0.0000	0.0000
626	DET_38E	MARKER	474.823	0	0	0	0	0	0	0	0	0	0.0000	0.0000
627	D278	DRIFT	474.866	0.04	0	0	0	0	0	0	0	0	0.0000	0.0000
628	SEX_38E	SEXTUPOLE	475.138	0.27	0	0	0	0	0	1.33	23.5523	0	0.0000	0.0000
629	D279	DRIFT	475.200	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
630	Q38E	QUADRUPOL	475.800	0.60	0	0	0	0.2275	4.0140	0	0	0	0.0000	0.0000
631	D280	DRIFT	475.957	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
632	B38E	SBEND	482.531	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
633	D281	DRIFT	483.020	0.49	0	0	0	0	0	0	0	0	0.0000	0.0000
634	DET_37E	MARKER	483.020	0	0	0	0	0	0	0	0	0	0.0000	0.0000
635	D282	DRIFT	483.068	0.05	0	0	0	0	0	0	0	0	0.0000	0.0000
636	SEX_37E	SEXTUPOLE	483.340	0.27	0	0	0	0	0	-0.72	-12.7226	0	0.0000	0.0000
637	D283	DRIFT	483.404	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
638	Q37E	QUADRUPOL	484.004	0.60	0	0	0	-0.2075	-3.6606	0	0	0	0.0000	0.0000
639	D284	DRIFT	484.161	0.16	0	0	0	0	0	0	0	0	0.0000	0.0000
640	B37E	SBEND	490.736	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
641	D285	DRIFT	491.057	0.32	0	0	0	0	0	0	0	0	0.0000	0.0000
642	DET_36E	MARKER	491.057	0	0	0	0	0	0	0	0	0	0.0000	0.0000
643	D286	DRIFT	491.084	0.03	0	0	0	0	0	0	0	0	0.0000	0.0000
644	SEX_36E	SEXTUPOLE	491.356	0.27	0	0	0	0	0	0.00	0.0147	0	0.0000	0.0000
645	D287	DRIFT	491.419	0.06	0	0	0	0	0	0	0	0	0.0000	0.0000
646	Q36E	QUADRUPOL	492.019	0.60	0	0	0	0.1890	3.3348	0	0	0	0.0000	0.0000
647	D288	DRIFT	492.342	0.32	0	0	0	0	0	0	0	0	0.0000	0.0000
648	BUMP_36E	KICKER	492.572	0.23	0	0	0	0	0	0	0	0	0.0000	0.0000
649	D289	DRIFT	492.691	0.12	0	0	0	0	0	0	0	0	0.0000	0.0000
650	PINGER_36E	KICKER	493.202	0.51	0	0	0	0	0	0	0	0	0.0000	0.0000
651	D290	DRIFT	494.790	1.59	0	0	0	0	0	0	0	0	0.0000	0.0000
652	B36E	SBEND	501.364	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0.0000	0.0000
653	D291	DRIFT	502.020	0.66	0	0	0	0	0	0	0	0	0.0000	0.0000

654	DET_35E	MARKER	502.020	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
655	D292	DRIFT	502.056	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000
656	SEX_35E	SEXTUPOLE	502.328	0.27	0	0	0	0	0	-0.41	-7.2918	0	0	0.0000	0.0000
657	D293	DRIFT	502.390	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
658	Q35E	QUADRUPOL	502.990	0.60	0	0	0	-0.1618	-2.8552	0	0	0	0	0.0000	0.0000
659	D294	DRIFT	503.147	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
660	B35E	SBEND	509.721	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
661	D295	DRIFT	509.975	0.25	0	0	0	0	0	0	0	0	0	0.0000	0.0000
662	SEX_34E	SEXTUPOLE	510.247	0.27	0	0	0	0	0	0.78	13.8981	0	0	0.0000	0.0000
663	D296	DRIFT	510.290	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000
664	Q34E	QUADRUPOL	510.890	0.60	0	0	0	0.2249	3.9684	0	0	0	0	0.0000	0.0000
665	D297	DRIFT	515.150	4.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
666	DET_34E	MARKER	515.150	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
667	D298	DRIFT	515.898	0.75	0	0	0	0	0	0	0	0	0	0.0000	0.0000
668	DET_33E	MARKER	515.898	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
669	D299	DRIFT	515.923	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
670	SEX_33E	SEXTUPOLE	516.195	0.27	0	0	0	0	0	-1.47	-26.0943	0	0	0.0000	0.0000
671	D300	DRIFT	516.260	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
672	Q33E	QUADRUPOL	516.860	0.60	0	0	0	-0.2035	-3.5910	0	0	0	0	0.0000	0.0000
673	D301	DRIFT	517.017	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
674	B33E	SBEND	523.591	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
675	D302	DRIFT	524.326	0.74	0	0	0	0	0	0	0	0	0	0.0000	0.0000
676	DET_32E	MARKER	524.326	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
677	D303	DRIFT	524.356	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
678	SEX_32E	SEXTUPOLE	524.628	0.27	0	0	0	0	0	1.47	26.0327	0	0	0.0000	0.0000
679	D304	DRIFT	524.689	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
680	Q32E	QUADRUPOL	525.289	0.60	0	0	0	0.1989	3.5085	0	0	0	0	0.0000	0.0000
681	D305	DRIFT	525.446	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
682	B32E	SBEND	532.020	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
683	D306	DRIFT	532.509	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
684	DET_31E	MARKER	532.509	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
685	D307	DRIFT	532.557	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
686	SEX_31E	SEXTUPOLE	532.829	0.27	0	0	0	0	0	-1.53	-27.0656	0	0	0.0000	0.0000
687	D308	DRIFT	532.893	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
688	Q31E	QUADRUPOL	533.493	0.60	0	0	0	-0.2279	-4.0205	0	0	0	0	0.0000	0.0000
689	D309	DRIFT	533.651	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
690	B31E	SBEND	540.225	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
691	D310	DRIFT	540.960	0.74	0	0	0	0	0	0	0	0	0	0.0000	0.0000
692	DET_30E	MARKER	540.960	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
693	D311	DRIFT	540.986	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
694	SEX_30E	SEXTUPOLE	541.258	0.27	0	0	0	0	0	0.25	4.5437	0	0	0.0000	0.0000
695	D312	DRIFT	541.323	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
696	Q30E	QUADRUPOL	541.923	0.60	0	0	0	0.2489	4.3909	0	0	0	0	0.0000	0.0000
697	D313	DRIFT	542.080	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
698	B30E	SBEND	548.654	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
699	D314	DRIFT	549.155	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
700	SK_SEX_29E	SEXTUPOLE	549.282	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
701	D315	DRIFT	550.244	0.96	0	0	0	0	0	0	0	0	0	0.0000	0.0000
702	DET_29E	MARKER	550.244	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
703	D316	DRIFT	550.271	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
704	SEX_29E	SEXTUPOLE	550.543	0.27	0	0	0	0	0	-0.11	-1.9669	0	0	0.0000	0.0000
705	D317	DRIFT	550.607	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
706	Q29E	QUADRUPOL	551.207	0.60	0	0	0	-0.2461	-4.3410	0	0	0	0	0.0000	0.0000
707	D318	DRIFT	551.364	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
708	B29E	SBEND	557.939	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
709	D319	DRIFT	558.298	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
710	BUMP_28E	KICKER	558.526	0.23	0	0	0	0	0	0	0	0	0	0.0000	0.0000
711	D320	DRIFT	558.675	0.15	0	0	0	0	0	0	0	0	0	0.0000	0.0000
712	DET_28E	MARKER	558.675	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
713	D321	DRIFT	558.700	0.02	0	0	0	0	0	0	0	0	0	0.0000	0.0000
714	SEX_28E	SEXTUPOLE	558.972	0.27	0	0	0	0	0	-0.14	-2.5289	0	0	0.0000	0.0000
715	D322	DRIFT	559.037	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
716	Q28E	QUADRUPOL	559.637	0.60	0	0	0	0.2414	4.2589	0	0	0	0	0.0000	0.0000
717	D323	DRIFT	559.794	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
718	B28E	SBEND	566.368	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
719	D324	DRIFT	566.855	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
720	DET_27E	MARKER	566.855	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
721	D325	DRIFT	566.905	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
722	SEX_27E	SEXTUPOLE	567.177	0.27	0	0	0	0	0	0.87	15.4193	0	0	0.0000	0.0000
723	D326	DRIFT	567.241	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
724	Q27E	QUADRUPOL	567.841	0.60	0	0	0	-0.3160	-5.5750	0	0	0	0	0.0000	0.0000
725	D327	DRIFT	567.998	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
726	B27E	SBEND	574.573	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000

727	D328	DRIFT	574.934	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
728	BUMP_26E	KICKER	575.162	0.23	0	0	0	0	0	0	0	0	0	0.0000	0.0000
729	D329	DRIFT	575.307	0.15	0	0	0	0	0	0	0	0	0	0.0000	0.0000
730	DET_26E	MARKER	575.307	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
731	D330	DRIFT	575.335	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
732	SEX_26E	SEXTUPOLE	575.607	0.27	0	0	0	0	0	0.52	9.2510	0	0	0.0000	0.0000
733	D331	DRIFT	575.671	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
734	Q26E	QUADRUPOL	576.271	0.60	0	0	0	0.2649	4.6738	0	0	0	0	0.0000	0.0000
735	D332	DRIFT	576.428	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
736	B26E	SBEND	583.002	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
737	D333	DRIFT	583.488	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
738	DET_25E	MARKER	583.488	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
739	D334	DRIFT	583.539	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
740	SEX_25E	SEXTUPOLE	583.811	0.27	0	0	0	0	0	-0.24	-4.3007	0	0	0.0000	0.0000
741	D335	DRIFT	583.875	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
742	Q25E	QUADRUPOL	584.475	0.60	0	0	0	-0.3095	-5.4601	0	0	0	0	0.0000	0.0000
743	D336	DRIFT	584.632	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
744	B25E	SBEND	591.207	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
745	D337	DRIFT	591.694	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
746	DET_24E	MARKER	591.694	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
747	D338	DRIFT	591.743	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
748	SEX_24E	SEXTUPOLE	592.015	0.27	0	0	0	0	0	0.02	0.4547	0	0	0.0000	0.0000
749	D339	DRIFT	592.080	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
750	Q24E	QUADRUPOL	592.680	0.60	0	0	0	0.2451	4.3242	0	0	0	0	0.0000	0.0000
751	D340	DRIFT	592.837	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
752	B24E	SBEND	599.411	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
753	D341	DRIFT	601.265	1.85	0	0	0	0	0	0	0	0	0	0.0000	0.0000
754	SK_SEX_23E	SEXTUPOLE	601.391	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
755	D342	DRIFT	601.920	0.53	0	0	0	0	0	0	0	0	0	0.0000	0.0000
756	DET_23E	MARKER	601.920	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
757	D343	DRIFT	601.949	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
758	SEX_23E	SEXTUPOLE	602.221	0.27	0	0	0	0	0	-0.41	-7.3500	0	0	0.0000	0.0000
759	D344	DRIFT	602.284	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
760	Q23E	QUADRUPOL	602.884	0.60	0	0	0	-0.2513	-4.4341	0	0	0	0	0.0000	0.0000
761	D345	DRIFT	603.041	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
762	B23E	SBEND	609.616	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
763	D346	DRIFT	610.103	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
764	DET_22E	MARKER	610.103	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
765	D347	DRIFT	610.153	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
766	SEX_22E	SEXTUPOLE	610.425	0.27	0	0	0	0	0	-0.02	-0.4882	0	0	0.0000	0.0000
767	D348	DRIFT	610.489	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
768	Q22E	QUADRUPOL	611.089	0.60	0	0	0	0.2588	4.5652	0	0	0	0	0.0000	0.0000
769	D349	DRIFT	611.246	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
770	B22E	SBEND	617.820	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
771	D350	DRIFT	618.309	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
772	DET_21E	MARKER	618.309	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
773	D351	DRIFT	618.354	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
774	SEX_21E	SEXTUPOLE	618.626	0.27	0	0	0	0	0	-1.45	-25.5809	0	0	0.0000	0.0000
775	D352	DRIFT	618.693	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
776	Q21E	QUADRUPOL	619.293	0.60	0	0	0	-0.2821	-4.9768	0	0	0	0	0.0000	0.0000
777	D353	DRIFT	619.450	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
778	B21E	SBEND	626.025	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
779	D354	DRIFT	626.512	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
780	DET_20E	MARKER	626.512	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
781	D355	DRIFT	626.558	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
782	SEX_20E	SEXTUPOLE	626.830	0.27	0	0	0	0	0	0.72	12.8361	0	0	0.0000	0.0000
783	D356	DRIFT	626.898	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
784	Q20E	QUADRUPOL	627.498	0.60	0	0	0	0.2300	4.0584	0	0	0	0	0.0000	0.0000
785	D357	DRIFT	627.655	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
786	B20E	SBEND	634.229	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
787	D358	DRIFT	634.767	0.54	0	0	0	0	0	0	0	0	0	0.0000	0.0000
788	SEX_19E	SEXTUPOLE	635.039	0.27	0	0	0	0	0	-1.17	-20.7720	0	0	0.0000	0.0000
789	D359	DRIFT	635.102	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
790	Q19E	QUADRUPOL	635.702	0.60	0	0	0	-0.2991	-5.2768	0	0	0	0	0.0000	0.0000
791	D360	DRIFT	635.846	0.14	0	0	0	0	0	0	0	0	0	0.0000	0.0000
792	DET_19E	MARKER	635.846	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
793	D361	DRIFT	635.953	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
794	WIG3_18E	WIGGLER	637.553	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
795	D362	DRIFT	637.680	0.13	0	0	0	0	0	0	0	0	0	0.0000	0.0000
796	WIG2_18E	WIGGLER	639.280	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
797	D363	DRIFT	639.441	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
798	WIG1_18E#1	WIGGLER	640.240	0.80	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
799	SCW19EA_RFA1_WG1	MARKER	640.240	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000

800	WIG1_18E#2	WIGGLER	640.338	0.10	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
801	SCW19EA_RFA2_WG1	MARKER	640.338	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
802	WIG1_18E#3	WIGGLER	640.490	0.15	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
803	SCW19EA_RFA3_WG1	MARKER	640.490	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
804	WIG1_18E#4	WIGGLER	641.041	0.55	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
805	D364	DRIFT	641.399	0.36	0	0	0	0	0	0	0	0	0	0.0000	0.0000
806	DET_18E	MARKER	641.399	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
807	D365	DRIFT	641.427	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
808	SEX_18E	SEXTUPOLE	641.699	0.27	0	0	0	0	0	0.62	11.0362	0	0	0.0000	0.0000
809	D366	DRIFT	641.762	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
810	Q18E	QUADRUPOL	642.362	0.60	0	0	0	0.2405	4.2423	0	0	0	0	0.0000	0.0000
811	D367	DRIFT	642.519	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
812	B18E	SBEND	649.093	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
813	D368	DRIFT	649.583	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
814	DET_17E	MARKER	649.583	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
815	D369	DRIFT	649.628	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000
816	SEX_17E	SEXTUPOLE	649.900	0.27	0	0	0	0	0	-0.93	-16.4161	0	0	0.0000	0.0000
817	D370	DRIFT	649.966	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
818	Q17E	QUADRUPOL	650.566	0.60	0	0	0	-0.2343	-4.1330	0	0	0	0	0.0000	0.0000
819	D371	DRIFT	650.724	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
820	B17E	SBEND	657.298	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
821	D372	DRIFT	657.785	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
822	DET_16E	MARKER	657.785	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
823	D373	DRIFT	657.835	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
824	SEX_16E	SEXTUPOLE	658.107	0.27	0	0	0	0	0	0.78	13.9345	0	0	0.0000	0.0000
825	D374	DRIFT	658.171	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
826	Q16E	QUADRUPOL	658.771	0.60	0	0	0	0.2484	4.3822	0	0	0	0	0.0000	0.0000
827	D375	DRIFT	658.928	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
828	B16E	SBEND	665.502	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
829	D376	DRIFT	666.041	0.54	0	0	0	0	0	0	0	0	0	0.0000	0.0000
830	SEX_15E	SEXTUPOLE	666.313	0.27	0	0	0	0	0	-1.83	-32.4086	0	0	0.0000	0.0000
831	D377	DRIFT	666.375	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
832	Q15E	QUADRUPOL	666.975	0.60	0	0	0	-0.2062	-3.6376	0	0	0	0	0.0000	0.0000
833	D378	DRIFT	667.035	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
834	DET_15E	MARKER	667.035	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
835	D379#1	DRIFT	667.883	0.85	0	0	0	0	0	0	0	0	0	0.0000	0.0000
836	D15E_RFA1_CVC3	MARKER	667.883	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
837	D379#2	DRIFT	668.275	0.39	0	0	0	0	0	0	0	0	0	0.0000	0.0000
838	D15E_SP3_CSP1	MARKER	668.275	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
839	D379#3	DRIFT	668.304	0.03	0	0	0	0	0	0	0	0	0	0.0000	0.0000
840	D15E_SP2_CSP1	MARKER	668.304	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
841	D379#4	DRIFT	668.372	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
842	D15E_SP1I_CSP1	MARKER	668.372	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
843	D15E_SP1O_CSP1	MARKER	668.372	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
844	D379#5	DRIFT	669.238	0.87	0	0	0	0	0	0	0	0	0	0.0000	0.0000
845	B15E	SBEND	675.813	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
846	D380	DRIFT	675.971	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
847	SEX_14E	SEXTUPOLE	676.243	0.27	0	0	0	0	0	0.76	13.5616	0	0	0.0000	0.0000
848	D381	DRIFT	676.307	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
849	Q14E	QUADRUPOL	676.907	0.60	0	0	0	0.2818	4.9710	0	0	0	0	0.0000	0.0000
850	D382	DRIFT	676.944	0.04	0	0	0	0	0	0	0	0	0	0.0000	0.0000
851	DET_14E	MARKER	676.944	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
852	D383	DRIFT	679.793	2.85	0	0	0	0	0	0	0	0	0	0.0000	0.0000
853	DOG_LEG_14E2	KICKER	680.037	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
854	D384#1	DRIFT	680.487	0.45	0	0	0	0	0	0	0	0	0	0.0000	0.0000
855	D14BE_RFA2_SEG	MARKER	680.487	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
856	D384#2	DRIFT	682.171	1.68	0	0	0	0	0	0	0	0	0	0.0000	0.0000
857	D14BE_RFA1_SEG	MARKER	682.171	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
858	D384#3	DRIFT	682.353	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
859	DOG_LEG_14E1	KICKER	682.597	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
860	D385	DRIFT	682.859	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
861	DET_13E	MARKER	682.859	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
862	D386	DRIFT	682.877	0.02	0	0	0	0	0	0	0	0	0	0.0000	0.0000
863	SEX_13E	SEXTUPOLE	683.149	0.27	0	0	0	0	0	-1.49	-26.3171	0	0	0.0000	0.0000
864	D387	DRIFT	683.212	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
865	Q13E	QUADRUPOL	683.812	0.60	0	0	0	-0.2253	-3.9745	0	0	0	0	0.0000	0.0000
866	D388	DRIFT	684.001	0.19	0	0	0	0	0	0	0	0	0	0.0000	0.0000
867	B13E	SBEND	690.576	6.58	0.0171	58.6032	0.3010	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
868	D389	DRIFT	691.181	0.60	0	0	0	0	0	0	0	0	0	0.0000	0.0000
869	SEX_12E	SEXTUPOLE	691.453	0.27	0	0	0	0	0	2.65	46.8641	0	0	0.0000	0.0000
870	D390	DRIFT	691.513	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
871	Q12E	QUADRUPOL	692.113	0.60	0	0	0	0.2548	4.4946	0	0	0	0	0.0000	0.0000
872	D391	DRIFT	693.008	0.89	0	0	0	0	0	0	0	0	0	0.0000	0.0000

873	DET_12E	MARKER	693.008	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
874	D392	DRIFT	693.782	0.77	0	0	0	0	0	0	0	0	0	0.0000	0.0000
875	SK_SEX_12E	SEXTUPOLE	693.908	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
876	D393	DRIFT	694.131	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000
877	B12E	SBEND	700.705	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
878	D394	DRIFT	701.192	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
879	DET_11E	MARKER	701.192	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
880	D395	DRIFT	701.241	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
881	SEX_11E	SEXTUPOLE	701.513	0.27	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
882	D396	DRIFT	701.578	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
883	Q11E	QUADRUPOL	702.178	0.60	0	0	0	-0.2123	-3.7448	0	0	0	0	0.0000	0.0000
884	D397	DRIFT	702.335	0.16	0	0	0	0	0	0	0	0	0	0.0000	0.0000
885	B11E	SBEND	708.910	6.57	0.0114	87.8915	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
886	D398	DRIFT	709.396	0.49	0	0	0	0	0	0	0	0	0	0.0000	0.0000
887	DET_10E	MARKER	709.396	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
888	D399	DRIFT	709.447	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
889	SEX_10E	SEXTUPOLE	709.719	0.27	0	0	0	0	0	0.38	6.8518	0	0	0.0000	0.0000
890	D400	DRIFT	709.783	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
891	Q10E	QUADRUPOL	710.383	0.60	0	0	0	0.2653	4.6812	0	0	0	0	0.0000	0.0000
892	D401	DRIFT	713.115	2.73	0	0	0	0	0	0	0	0	0	0.0000	0.0000
893	SK_Q09E	QUADRUPOL	713.267	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
894	D402	DRIFT	715.957	2.69	0	0	0	0	0	0	0	0	0	0.0000	0.0000
895	SEX_09E	SEXTUPOLE	716.229	0.27	0	0	0	0	0	-0.40	-7.1579	0	0	0.0000	0.0000
896	D403	DRIFT	716.293	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
897	Q09E	QUADRUPOL	716.893	0.60	0	0	0	-0.2234	-3.9421	0	0	0	0	0.0000	0.0000
898	D404	DRIFT	717.003	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
899	DET_09E	MARKER	717.003	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
900	D405	DRIFT	718.648	1.65	0	0	0	0	0	0	0	0	0	0.0000	0.0000
901	RF_E1	RFCAVITY	720.448	1.80	0	0	0	0	0	0	0	0.000	0.8	0.0000	0.0000
902	D406	DRIFT	721.648	1.20	0	0	0	0	0	0	0	0	0	0.0000	0.0000
903	RF_E2	RFCAVITY	723.448	1.80	0	0	0	0	0	0	0	0.000	0.8	0.0000	0.0000
904	D407	DRIFT	724.208	0.76	0	0	0	0	0	0	0	0	0	0.0000	0.0000
905	VKICK_08E	KICKER	724.272	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
906	D408	DRIFT	724.999	0.73	0	0	0	0	0	0	0	0	0	0.0000	0.0000
907	HKICK_08E	KICKER	725.063	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
908	D409	DRIFT	725.327	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
909	DET_08E	MARKER	725.327	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
910	D410	DRIFT	725.391	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
911	SEX_08E	SEXTUPOLE	725.663	0.27	0	0	0	0	0	0.52	9.2229	0	0	0.0000	0.0000
912	D411	DRIFT	725.727	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
913	Q08E	QUADRUPOL	726.327	0.60	0	0	0	0.1629	2.8735	0	0	0	0	0.0000	0.0000
914	D412	DRIFT	726.827	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
915	H_SEP_08E	ELSEPARAT	729.269	2.44	0	0	0	0	0	0	0	0	0	0.0000	0.0000
916	D413	DRIFT	729.620	0.35	0	0	0	0	0	0	0	0	0	0.0000	0.0000
917	SK_Q07E	QUADRUPOL	729.772	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
918	D414	DRIFT	729.843	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
919	VKICK_07E	KICKER	729.907	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
920	D415	DRIFT	730.146	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
921	WIG_E#1	WIGGLER	731.320	1.17	0	15.0788	0	-0.0022	0	0	0	0	0	0.0000	0.0000
922	PLS_FW_V_VER_B	MARKER	731.320	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
923	PLS_FW_GFIL_VER_B	MARKER	731.320	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
924	WIG_E#2	WIGGLER	732.501	1.18	0	15.0788	0	-0.0022	0	0	0	0	0	0.0000	0.0000
925	D416	DRIFT	733.359	0.86	0	0	0	0	0	0	0	0	0	0.0000	0.0000
926	SK_SEX_07E	SEXTUPOLE	733.485	0.13	0	0	0	0	0	0.00	0.0000	0	0	0.0000	0.0000
927	D417	DRIFT	733.534	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
928	DET_07E	MARKER	733.534	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
929	D418	DRIFT	733.751	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000
930	Q07E	QUADRUPOL	734.351	0.60	0	0	0	-0.3417	-6.0278	0	0	0	0	0.0000	0.0000
931	D419	DRIFT	734.649	0.30	0	0	0	0	0	0	0	0	0	0.0000	0.0000
932	B07E	SBEND	737.887	3.24	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
933	D420	DRIFT	738.382	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
934	Q06E	QUADRUPOL	738.982	0.60	0	0	0	0.4833	8.5259	0	0	0	0	0.0000	0.0000
935	D421	DRIFT	739.049	0.07	0	0	0	0	0	0	0	0	0	0.0000	0.0000
936	DET_06E	MARKER	739.049	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
937	D422	DRIFT	739.287	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
938	SK_Q06E	QUADRUPOL	739.440	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
939	D423	DRIFT	739.694	0.25	0	0	0	0	0	0	0	0	0	0.0000	0.0000
940	B06E	SBEND	742.932	3.24	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
941	D424	DRIFT	743.427	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
942	Q05E	QUADRUPOL	744.027	0.60	0	0	0	-0.3492	-6.1615	0	0	0	0	0.0000	0.0000
943	D425	DRIFT	744.089	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
944	DET_05E	MARKER	744.089	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
945	D426	DRIFT	744.364	0.28	0	0	0	0	0	0	0	0	0	0.0000	0.0000

946	SK_Q05E	QUADRUPOL	744.516	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
947	D427	DRIFT	744.740	0.22	0	0	0	0	0	0	0	0	0	0.0000	0.0000
948	B05E#1	SBEND	744.929	0.19	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
949	PLS_D_V_VER_B	MARKER	744.929	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
950	B05E#2	SBEND	747.978	3.05	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
951	D428	DRIFT	748.473	0.50	0	0	0	0	0	0	0	0	0	0.0000	0.0000
952	Q04E	QUADRUPOL	749.073	0.60	0	0	0	0.4793	8.4565	0	0	0	0	0.0000	0.0000
953	D429	DRIFT	749.127	0.05	0	0	0	0	0	0	0	0	0	0.0000	0.0000
954	DET_04E	MARKER	749.127	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
955	D430	DRIFT	749.392	0.27	0	0	0	0	0	0	0	0	0	0.0000	0.0000
956	VKICK_04E	KICKER	749.456	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
957	D431	DRIFT	749.785	0.33	0	0	0	0	0	0	0	0	0	0.0000	0.0000
958	B04E	SBEND	753.023	3.24	0.0316	31.6544	0.5573	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
959	D432	DRIFT	753.258	0.24	0	0	0	0	0	0	0	0	0	0.0000	0.0000
960	Q03E	QUADRUPOL	753.858	0.60	0	0	0	-0.3568	-6.2941	0	0	0	0	0.0000	0.0000
961	D433	DRIFT	753.917	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
962	DET_03E	MARKER	753.917	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
963	D434	DRIFT	754.468	0.55	0	0	0	0	0	0	0	0	0	0.0000	0.0000
964	B03AE	SBEND	756.111	1.64	0.0114	87.8934	0.2007	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
965	D435	DRIFT	756.489	0.38	0	0	0	0	0	0	0	0	0	0.0000	0.0000
966	B03E	SBEND	759.434	2.95	0.0071	140.6290	0.1255	0.0000	0.0000	0.00	0.0000	0	0	0.0000	0.0000
967	D436	DRIFT	759.739	0.30	0	0	0	0	0	0	0	0	0	0.0000	0.0000
968	DET_02E	MARKER	759.739	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
969	D437	DRIFT	759.850	0.11	0	0	0	0	0	0	0	0	0	0.0000	0.0000
970	Q02E	QUADRUPOL	760.450	0.60	0	0	0	0.3001	5.2949	0	0	0	0	0.0000	0.0000
971	D438	DRIFT	760.629	0.18	0	0	0	0	0	0	0	0	0	0.0000	0.0000
972	SK_Q02E	QUADRUPOL	760.782	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
973	D439#1	DRIFT	761.192	0.41	0	0	0	0	0	0	0	0	0	0.0000	0.0000
974	D02E_RFA1_SEG	MARKER	761.192	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
975	D439#2	DRIFT	761.525	0.33	0	0	0	0	0	0	0	0	0	0.0000	0.0000
976	WIG2_02E	WIGGLER	763.125	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
977	D440	DRIFT	763.252	0.13	0	0	0	0	0	0	0	0	0	0.0000	0.0000
978	WIG1_02E	WIGGLER	764.852	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
979	D441	DRIFT	765.187	0.34	0	0	0	0	0	0	0	0	0	0.0000	0.0000
980	DET_01E	MARKER	765.187	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
981	D442	DRIFT	765.271	0.08	0	0	0	0	0	0	0	0	0	0.0000	0.0000
982	Q01E	QUADRUPOL	765.711	0.44	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
983	D443	DRIFT	765.974	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
984	WIG_01E	WIGGLER	767.574	1.60	0	9.0403	0	-0.0061	0	0	0	0	0	0.0000	0.0000
985	D444	DRIFT	767.834	0.26	0	0	0	0	0	0	0	0	0	0.0000	0.0000
986	SK_Q01E	QUADRUPOL	767.986	0.15	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
987	D445	DRIFT	768.049	0.06	0	0	0	0	0	0	0	0	0	0.0000	0.0000
988	DET_00E	MARKER	768.049	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
989	D446	DRIFT	768.138	0.09	0	0	0	0	0	0	0	0	0	0.0000	0.0000
990	Q00#1	QUADRUPOL	768.438	0.30	0	0	0	-0.2317	-4.0881	0	0	0	0	0.0000	0.0000
991	IP_L0_END	MARKER	768.438	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
992	END	MARKER	768.438	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
Index	name	key	s	Length	g	rho	B_Field	k1	B1_Grad	k2	B2_Grad	Phi0	Grad	X_lim	Y_lim
			(m)	(m)	(1/m)	(m)	(T)	(1/m)	(T/m)	(1/m^2)	(T/m^2)		MV/m	(cm)	(cm)

Values at End of Element: