

Element	Type	L (m)	S (m)	W (MeV)	Horizontal				Vertical			
					Beta (m)	Alpha	Eta (m)	Eta'	Beta (m)	Alpha	Eta (m)	Eta'
Foil	LINE	0	0		2.55387	-0.3288	8.47E-07		13.1068	0.976455	0	
UU9	DRIFT	1.6125	1.6125		4.74243	-1.02845	-4.67E-06		10.3453	0.736125	0	
UU	DRIFT	1.7125	3.325		9.53734	-1.77149	-1.05E-05		8.26114	0.480891	0	
UU	DRIFT	1.7125	5.0375		16.8772	-2.51454	-1.64E-05		7.05117	0.225656	0	
UU10	DRIFT	1.6125	6.65		26.1147	-3.21419	-2.19E-05		6.71097	-1.47E-02	0	
DHTA10	HKICKER	0	6.65		26.1147	-3.21419	-2.19E-05		6.71097	-1.47E-02	0	
DVTA10	VKICKER	0	6.65		26.1147	-3.21419	-2.19E-05		6.71097	-1.47E-02	0	
Q10U	DRIFT	0.1	6.75		26.7619	-3.25758	-2.22E-05		6.71539	-2.96E-02	0	
BPMA10	MONITOR	0	6.75		26.7619	-3.25758	-2.22E-05		6.71539	-2.96E-02	0	
QHA10	QUADRUPOLE	0.7	7.45		23.039	8.00589	-2.11E-05		9.19215	-3.87232	0	
VV	DRIFT	0.4	7.85		17.0864	6.87573	-1.85E-05		12.5684	-4.56834	0	
QVA11	QUADRUPOLE	0.55	8.4		13.178	0.720439	-1.67E-05		14.9533	0.539723	0	
WW	DRIFT	3.125	11.525		9.80096	0.360219	-1.67E-05		12.4233	0.269862	0	
WW	DRIFT	3.125	14.65		8.67527	8.02E-16	-1.67E-05		11.58	2.12E-15	0	
WW	DRIFT	3.125	17.775		9.80096	-0.36022	-1.67E-05		12.4233	-0.26986	0	
WW	DRIFT	3.125	20.9		13.178	-0.72044	-1.67E-05		14.9533	-0.53972	0	
QVA12	QUADRUPOLE	0.55	21.45		17.0864	-6.87573	-1.85E-05		12.5684	4.56834	0	
VV	DRIFT	0.4	21.85		23.039	-8.00589	-2.11E-05		9.19215	3.87232	0	
QHA13	QUADRUPOLE	0.7	22.55		26.7619	3.25758	-2.22E-05		6.71539	2.96E-02	0	
BPMA13	MONITOR	0	22.55		26.7619	3.25758	-2.22E-05		6.71539	2.96E-02	0	
Q13D	DRIFT	0.1	22.65		26.1147	3.21419	-2.19E-05		6.71097	1.47E-02	0	
DHTA13	HKICKER	0	22.65		26.1147	3.21419	-2.19E-05		6.71097	1.47E-02	0	
DVTA13	VKICKER	0	22.65		26.1147	3.21419	-2.19E-05		6.71097	1.47E-02	0	
UU13	DRIFT	1.6125	24.2625		16.8772	2.51454	-1.64E-05		7.05117	-0.22566	0	
UU	DRIFT	1.7125	25.975		9.53734	1.77149	-1.05E-05		8.26114	-0.48089	0	
UU	DRIFT	1.7125	27.6875		4.74243	1.02845	-4.67E-06		10.3453	-0.73613	0	
UU1	DRIFT	1.4025	29.09		2.7111	0.419915	1.28E-07		12.7033	-0.94516	0	
SVB1	SEXTUPOLE	0.3	29.39		2.4982	0.289747	1.15E-06		13.2838	-0.98987	0	
Q1U	DRIFT	1.00E-02	29.4		2.49245	0.285408	1.19E-06		13.3036	-0.99136	0	
QVB1	QUADRUPOLE	0.5	29.9		2.62483	-0.56126	3.01E-06		12.6333	2.27476	0	
BPMB1	MONITOR	0	29.9		2.62483	-0.56126	3.01E-06		12.6333	2.27476	0	
Q1D	DRIFT	0.1	30		2.74209	-0.61136	3.41E-06		12.1833	2.22589	0	

DVTB1	VKICKER	0	30	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
Q1B1	DRIFT	0.9	30.9	4.24833	-1.06224	6.96E-06	8.57256	1.78601	0
BND	SBEND	1.5	32.4	8.3049	-1.60729	0.146802	4.31421	1.05289	0
B1Q2	DRIFT	0.69	33.09	10.7284	-1.90502	0.281417	3.09392	0.71565	0
SHB2	SEXTUPOLE	0.3	33.39	11.9102	-2.03446	0.339945	2.70852	0.569025	0
Q2U	DRIFT	1.00E-02	33.4	11.951	-2.03877	0.341896	2.69719	0.564138	0
QHB2	QUADRUPOLE	0.5	33.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
BPMB2	MONITOR	0	33.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
Q2D	DRIFT	0.1	34	11.5262	2.02392	0.414332	2.79655	-0.585	0
DHTB2	HKICKER	0	34	11.5262	2.02392	0.414332	2.79655	-0.585	0
Q2B2	DRIFT	0.9	34.9	8.24128	1.62599	0.472751	4.23831	-1.01696	0
BND	SBEND	1.5	36.4	4.15617	1.06233	0.707198	8.36909	-1.7369	0
B2Q3	DRIFT	0.9	37.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
DVTB3	VKICKER	0	37.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
Q3U	DRIFT	0.1	37.4	2.54365	0.550189	0.953878	12.3228	-2.21685	0
QVB3	QUADRUPOLE	0.5	37.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
BPMB3	MONITOR	0	37.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
Q3D	DRIFT	1.00E-02	37.91	2.5547	-0.55531	1.17363	12.2797	2.21004	0
SVB3	SEXTUPOLE	0.3	38.21	2.93398	-0.70895	1.35969	10.9968	2.06629	0
Q3B3	DRIFT	0.69	38.9	4.15617	-1.06233	1.78763	8.37344	1.73565	0
BND	SBEND	1.5	40.4	8.24128	-1.62599	2.82442	4.24467	1.01686	0
B3Q4	DRIFT	0.9	41.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
DHTB4	HKICKER	0	41.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
Q4U	DRIFT	0.1	41.4	11.9354	-2.06813	3.58215	2.69014	0.537671	0
QHB4	QUADRUPOLE	0.5	41.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
BPMB4	MONITOR	0	41.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
Q4D	DRIFT	1.00E-02	41.91	11.9102	2.03446	3.64311	2.71444	-0.5699	0
SHB4	SEXTUPOLE	0.3	42.21	10.7284	1.90502	3.49379	3.1003	-0.71631	0
Q4B4	DRIFT	0.69	42.9	8.30491	1.6073	3.15036	4.32117	-1.05307	0
BND	SBEND	1.5	44.4	4.24833	1.06224	2.49482	8.57849	-1.78515	0
B4Q5	DRIFT	0.69	45.09	3.02095	0.716563	2.23709	11.2744	-2.1219	0
SVB5	SEXTUPOLE	0.3	45.39	2.63611	0.566266	2.12503	12.5914	-2.26832	0
Q5U	DRIFT	1.00E-02	45.4	2.62483	0.561256	2.1213	12.6368	-2.2732	0
QVB5	QUADRUPOLE	0.5	45.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
BPMB5	MONITOR	0	45.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
Q5D	DRIFT	0.1	46	2.74209	-0.61136	2.15865	12.1871	2.22439	0

DVTB5	VKICKER	0	46	2.74209	-0.61136	2.15865	12.1871	2.22439	0
Q5B6	DRIFT	0.9	46.9	4.24833	-1.06224	2.49482	8.57849	1.78515	0
BND	SBEND	1.5	48.4	8.30491	-1.6073	3.15036	4.32117	1.05307	0
B6Q6	DRIFT	0.69	49.09	10.7284	-1.90502	3.49379	3.1003	0.716313	0
SHB6	SEXTUPOLE	0.3	49.39	11.9102	-2.03446	3.64311	2.71444	0.569898	0
Q6U	DRIFT	1.00E-02	49.4	11.951	-2.03877	3.64809	2.70309	0.565017	0
QHB6	QUADRUPOLE	0.5	49.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
BPMB6	MONITOR	0	49.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
Q6D	DRIFT	0.1	50	11.5262	2.02392	3.50637	2.80247	-0.58559	0
DHTB6	HKICKER	0	50	11.5262	2.02392	3.50637	2.80247	-0.58559	0
Q6B7	DRIFT	0.9	50.9	8.24128	1.62599	2.82442	4.24467	-1.01686	0
BND	SBEND	1.5	52.4	4.15617	1.06233	1.78763	8.37344	-1.73565	0
B7Q7	DRIFT	0.69	53.09	2.93398	0.708953	1.35969	10.9968	-2.06629	0
SVB7	SEXTUPOLE	0.3	53.39	2.5547	0.555311	1.17363	12.2797	-2.21004	0
Q7U	DRIFT	1.00E-02	53.4	2.54365	0.550189	1.16743	12.3239	-2.21484	0
QVB7	QUADRUPOLE	0.5	53.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
BPMB7	MONITOR	0	53.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
Q7D	DRIFT	0.1	54	2.65881	-0.6014	0.92921	11.8843	2.16886	0
DVTB7	VKICKER	0	54	2.65881	-0.6014	0.92921	11.8843	2.16886	0
Q7B8	DRIFT	0.9	54.9	4.15617	-1.06233	0.707198	8.36909	1.7369	0
BND	SBEND	1.5	56.4	8.24128	-1.62599	0.472751	4.23831	1.01696	0
B8Q8	DRIFT	0.89	57.29	11.4858	-2.0195	0.414981	2.80829	0.589798	0
OHB8	OCTUPOLE	0.1	57.39	11.8941	-2.06371	0.40849	2.69513	0.541802	0
Q8U	DRIFT	1.00E-02	57.4	11.9354	-2.06813	0.407841	2.68435	0.537003	0
QHB8	QUADRUPOLE	0.5	57.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
BPMB8	MONITOR	0	57.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
Q8D	DRIFT	0.1	58	11.5475	1.99563	0.322387	2.8149	-0.61301	0
DHTB8	HKICKER	0	58	11.5475	1.99563	0.322387	2.8149	-0.61301	0
Q8B9	DRIFT	0.9	58.9	8.3049	1.60729	0.146802	4.31421	-1.05289	0
BND	SBEND	1.5	60.4	4.24833	1.06224	6.96E-06	8.57256	-1.78601	0
B9Q9	DRIFT	0.89	61.29	2.75437	0.616365	3.45E-06	12.1388	-2.221	0
OVB9	OCTUPOLE	0.1	61.39	2.63611	0.566266	3.05E-06	12.5879	-2.26988	0
Q9U	DRIFT	1.00E-02	61.4	2.62483	0.561256	3.01E-06	12.6333	-2.27476	0
QVB9	QUADRUPOLE	0.5	61.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
BPMB9	MONITOR	0	61.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
Q9D	DRIFT	0.1	62	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0

DVTB9	VKICKER	0	62	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0
UU9	DRIFT	1.6125	63.6125	4.74243	-1.02845	-4.67E-06	10.3453	0.736125	0
UU	DRIFT	1.7125	65.325	9.53734	-1.77149	-1.05E-05	8.26114	0.480891	0
UU	DRIFT	1.7125	67.0375	16.8772	-2.51454	-1.64E-05	7.05117	0.225656	0
UU10	DRIFT	1.6125	68.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
DHTB10	HKICKER	0	68.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
DVTB10	VKICKER	0	68.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
Q10U	DRIFT	0.1	68.75	26.7619	-3.25758	-2.22E-05	6.71539	-2.96E-02	0
BPMB10	MONITOR	0	68.75	26.7619	-3.25758	-2.22E-05	6.71539	-2.96E-02	0
QHB10	QUADRUPOLE	0.7	69.45	23.039	8.00589	-2.11E-05	9.19215	-3.87232	0
VV	DRIFT	0.4	69.85	17.0864	6.87573	-1.85E-05	12.5684	-4.56834	0
QVB11	QUADRUPOLE	0.55	70.4	13.178	0.720439	-1.67E-05	14.9533	0.539723	0
WW	DRIFT	3.125	73.525	9.80096	0.360219	-1.67E-05	12.4233	0.269862	0
WW	DRIFT	3.125	76.65	8.67527	-1.58E-15	-1.67E-05	11.58	1.31E-15	0
WW	DRIFT	3.125	79.775	9.80096	-0.36022	-1.67E-05	12.4233	-0.26986	0
WW	DRIFT	3.125	82.9	13.178	-0.72044	-1.67E-05	14.9533	-0.53972	0
QVB12	QUADRUPOLE	0.55	83.45	17.0864	-6.87573	-1.85E-05	12.5684	4.56834	0
VV	DRIFT	0.4	83.85	23.039	-8.00589	-2.11E-05	9.19215	3.87232	0
QHB13	QUADRUPOLE	0.7	84.55	26.7619	3.25758	-2.22E-05	6.71539	2.96E-02	0
BPMB13	MONITOR	0	84.55	26.7619	3.25758	-2.22E-05	6.71539	2.96E-02	0
Q13D	DRIFT	0.1	84.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
DHTB13	HKICKER	0	84.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
DVTB13	VKICKER	0	84.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
UU13	DRIFT	1.6125	86.2625	16.8772	2.51454	-1.64E-05	7.05117	-0.22566	0
UU	DRIFT	1.7125	87.975	9.53734	1.77149	-1.05E-05	8.26114	-0.48089	0
UU	DRIFT	1.7125	89.6875	4.74243	1.02845	-4.67E-06	10.3453	-0.73613	0
UU1	DRIFT	1.4025	91.09	2.7111	0.419915	1.28E-07	12.7033	-0.94516	0
SVC1	SEXTUPOLE	0.3	91.39	2.4982	0.289747	1.15E-06	13.2838	-0.98987	0
Q1U	DRIFT	1.00E-02	91.4	2.49245	0.285408	1.19E-06	13.3036	-0.99136	0
QVC1	QUADRUPOLE	0.5	91.9	2.62483	-0.56126	3.01E-06	12.6333	2.27476	0
BPMC1	MONITOR	0	91.9	2.62483	-0.56126	3.01E-06	12.6333	2.27476	0
Q1D	DRIFT	0.1	92	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
DVTC1	VKICKER	0	92	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
Q1B1	DRIFT	0.9	92.9	4.24833	-1.06224	6.96E-06	8.57256	1.78601	0
BND	SBEND	1.5	94.4	8.3049	-1.60729	0.146802	4.31421	1.05289	0
B1Q2	DRIFT	0.69	95.09	10.7284	-1.90502	0.281417	3.09392	0.71565	0

SHC2	SEXTUPOLE	0.3	95.39	11.9102	-2.03446	0.339945	2.70852	0.569025	0
Q2U	DRIFT	1.00E-02	95.4	11.951	-2.03877	0.341896	2.69719	0.564138	0
QHC2	QUADRUPOLE	0.5	95.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
BPMC2	MONITOR	0	95.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
Q2D	DRIFT	0.1	96	11.5262	2.02392	0.414332	2.79655	-0.585	0
DHTC2	HKICKER	0	96	11.5262	2.02392	0.414332	2.79655	-0.585	0
Q2B2	DRIFT	0.9	96.9	8.24128	1.62599	0.472751	4.23831	-1.01696	0
BND	SBEND	1.5	98.4	4.15617	1.06233	0.707198	8.36909	-1.7369	0
B2Q3	DRIFT	0.9	99.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
DVTC3	VKICKER	0	99.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
Q3U	DRIFT	0.1	99.4	2.54365	0.550189	0.953878	12.3228	-2.21685	0
QVC3	QUADRUPOLE	0.5	99.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
BPMC3	MONITOR	0	99.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
Q3D	DRIFT	1.00E-02	99.91	2.5547	-0.55531	1.17363	12.2797	2.21004	0
SVC3	SEXTUPOLE	0.3	100.21	2.93398	-0.70895	1.35969	10.9968	2.06629	0
Q3B3	DRIFT	0.69	100.9	4.15617	-1.06233	1.78763	8.37344	1.73565	0
BND	SBEND	1.5	102.4	8.24128	-1.62599	2.82442	4.24467	1.01686	0
B3Q4	DRIFT	0.9	103.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
DHTC4	HKICKER	0	103.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
Q4U	DRIFT	0.1	103.4	11.9354	-2.06813	3.58215	2.69014	0.537671	0
QHC4	QUADRUPOLE	0.5	103.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
BPMC4	MONITOR	0	103.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
Q4D	DRIFT	1.00E-02	103.91	11.9102	2.03446	3.64311	2.71444	-0.5699	0
SHC4	SEXTUPOLE	0.3	104.21	10.7284	1.90502	3.49379	3.1003	-0.71631	0
Q4B4	DRIFT	0.69	104.9	8.30491	1.6073	3.15036	4.32117	-1.05307	0
BND	SBEND	1.5	106.4	4.24833	1.06224	2.49482	8.57849	-1.78515	0
B4Q5	DRIFT	0.69	107.09	3.02095	0.716563	2.23709	11.2744	-2.1219	0
SVC5	SEXTUPOLE	0.3	107.39	2.63611	0.566266	2.12503	12.5914	-2.26832	0
Q5U	DRIFT	1.00E-02	107.4	2.62483	0.561256	2.1213	12.6368	-2.2732	0
QVC5	QUADRUPOLE	0.5	107.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
BPMC5	MONITOR	0	107.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
Q5D	DRIFT	0.1	108	2.74209	-0.61136	2.15865	12.1871	2.22439	0
DVTC5	VKICKER	0	108	2.74209	-0.61136	2.15865	12.1871	2.22439	0
Q5B6	DRIFT	0.9	108.9	4.24833	-1.06224	2.49482	8.57849	1.78515	0
BND	SBEND	1.5	110.4	8.30491	-1.6073	3.15036	4.32117	1.05307	0
B6Q6	DRIFT	0.69	111.09	10.7284	-1.90502	3.49379	3.1003	0.716313	0

SHC6	SEXTUPOLE	0.3	111.39	11.9102	-2.03446	3.64311	2.71444	0.569898	0
Q6U	DRIFT	1.00E-02	111.4	11.951	-2.03877	3.64809	2.70309	0.565017	0
QHC6	QUADRUPOLE	0.5	111.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
BPMC6	MONITOR	0	111.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
Q6D	DRIFT	0.1	112	11.5262	2.02392	3.50637	2.80247	-0.58559	0
DHTC6	HKICKER	0	112	11.5262	2.02392	3.50637	2.80247	-0.58559	0
Q6B7	DRIFT	0.9	112.9	8.24128	1.62599	2.82442	4.24467	-1.01686	0
BND	SBEND	1.5	114.4	4.15617	1.06233	1.78763	8.37344	-1.73565	0
B7Q7	DRIFT	0.69	115.09	2.93398	0.708953	1.35969	10.9968	-2.06629	0
SVC7	SEXTUPOLE	0.3	115.39	2.5547	0.555311	1.17363	12.2797	-2.21004	0
Q7U	DRIFT	1.00E-02	115.4	2.54365	0.550189	1.16743	12.3239	-2.21484	0
QVC7	QUADRUPOLE	0.5	115.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
BPMC7	MONITOR	0	115.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
Q7D	DRIFT	0.1	116	2.65881	-0.6014	0.92921	11.8843	2.16886	0
DVTC7	VKICKER	0	116	2.65881	-0.6014	0.92921	11.8843	2.16886	0
Q7B8	DRIFT	0.9	116.9	4.15617	-1.06233	0.707198	8.36909	1.7369	0
BND	SBEND	1.5	118.4	8.24128	-1.62599	0.472751	4.23831	1.01696	0
B8Q8	DRIFT	0.89	119.29	11.4858	-2.0195	0.414981	2.80829	0.589798	0
OHC8	OCTUPOLE	0.1	119.39	11.8941	-2.06371	0.40849	2.69513	0.541802	0
Q8U	DRIFT	1.00E-02	119.4	11.9354	-2.06813	0.407841	2.68435	0.537003	0
QHC8	QUADRUPOLE	0.5	119.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
BPMC8	MONITOR	0	119.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
Q8D	DRIFT	0.1	120	11.5475	1.99563	0.322387	2.8149	-0.61301	0
DHTC8	HKICKER	0	120	11.5475	1.99563	0.322387	2.8149	-0.61301	0
Q8B9	DRIFT	0.9	120.9	8.3049	1.60729	0.146802	4.31421	-1.05289	0
BND	SBEND	1.5	122.4	4.24833	1.06224	6.96E-06	8.57256	-1.78601	0
B9Q9	DRIFT	0.89	123.29	2.75437	0.616365	3.45E-06	12.1388	-2.221	0
OVC9	OCTUPOLE	0.1	123.39	2.63611	0.566266	3.05E-06	12.5879	-2.26988	0
Q9U	DRIFT	1.00E-02	123.4	2.62483	0.561256	3.01E-06	12.6333	-2.27476	0
QVC9	QUADRUPOLE	0.5	123.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
BPMC9	MONITOR	0	123.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
Q9D	DRIFT	0.1	124	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0
DVTC9	VKICKER	0	124	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0
UU9	DRIFT	1.6125	125.613	4.74243	-1.02845	-4.67E-06	10.3453	0.736125	0
UU	DRIFT	1.7125	127.325	9.53734	-1.77149	-1.05E-05	8.26114	0.480891	0
UU	DRIFT	1.7125	129.038	16.8772	-2.51454	-1.64E-05	7.05117	0.225656	0

UU10	DRIFT	1.6125	130.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
DHTC10	HKICKER	0	130.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
DVTC10	VKICKER	0	130.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
Q10U	DRIFT	0.1	130.75	26.7619	-3.25758	-2.22E-05	6.71539	-2.96E-02	0
BPMC10	MONITOR	0	130.75	26.7619	-3.25758	-2.22E-05	6.71539	-2.96E-02	0
QHC10	QUADRUPOLE	0.7	131.45	23.039	8.00589	-2.11E-05	9.19215	-3.87232	0
VV	DRIFT	0.4	131.85	17.0864	6.87573	-1.85E-05	12.5684	-4.56834	0
QVC11	QUADRUPOLE	0.55	132.4	13.178	0.720439	-1.67E-05	14.9533	0.539723	0
WW	DRIFT	3.125	135.525	9.80096	0.360219	-1.67E-05	12.4233	0.269862	0
WW	DRIFT	3.125	138.65	8.67527	-1.92E-15	-1.67E-05	11.58	2.11E-15	0
WW	DRIFT	3.125	141.775	9.80096	-0.36022	-1.67E-05	12.4233	-0.26986	0
WW	DRIFT	3.125	144.9	13.178	-0.72044	-1.67E-05	14.9533	-0.53972	0
QVC12	QUADRUPOLE	0.55	145.45	17.0864	-6.87573	-1.85E-05	12.5684	4.56834	0
VV	DRIFT	0.4	145.85	23.039	-8.00589	-2.11E-05	9.19215	3.87232	0
QHC13	QUADRUPOLE	0.7	146.55	26.7619	3.25758	-2.22E-05	6.71539	2.96E-02	0
BPMC13	MONITOR	0	146.55	26.7619	3.25758	-2.22E-05	6.71539	2.96E-02	0
Q13D	DRIFT	0.1	146.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
DHTC13	HKICKER	0	146.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
DVTC13	VKICKER	0	146.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
UU13	DRIFT	1.6125	148.262	16.8772	2.51454	-1.64E-05	7.05117	-0.22566	0
UU	DRIFT	1.7125	149.975	9.53734	1.77149	-1.05E-05	8.26114	-0.48089	0
UU	DRIFT	1.7125	151.688	4.74243	1.02845	-4.67E-06	10.3453	-0.73613	0
UU1	DRIFT	1.4025	153.09	2.7111	0.419915	1.28E-07	12.7033	-0.94516	0
SVD1	SEXTUPOLE	0.3	153.39	2.4982	0.289747	1.15E-06	13.2838	-0.98987	0
Q1U	DRIFT	1.00E-02	153.4	2.49245	0.285408	1.19E-06	13.3036	-0.99136	0
QVD1	QUADRUPOLE	0.5	153.9	2.62483	-0.56126	3.01E-06	12.6333	2.27476	0
BPMD1	MONITOR	0	153.9	2.62483	-0.56126	3.01E-06	12.6333	2.27476	0
Q1D	DRIFT	0.1	154	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
DVTD1	VKICKER	0	154	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
Q1B1	DRIFT	0.9	154.9	4.24833	-1.06224	6.96E-06	8.57256	1.78601	0
BND	SBEND	1.5	156.4	8.3049	-1.60729	0.146802	4.31421	1.05289	0
B1Q2	DRIFT	0.69	157.09	10.7284	-1.90502	0.281417	3.09392	0.71565	0
SHD2	SEXTUPOLE	0.3	157.39	11.9102	-2.03446	0.339945	2.70852	0.569025	0
Q2U	DRIFT	1.00E-02	157.4	11.951	-2.03877	0.341896	2.69719	0.564138	0
QHD2	QUADRUPOLE	0.5	157.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
BPMD2	MONITOR	0	157.9	11.9354	2.06813	0.407841	2.68435	-0.537	0

Q2D	DRIFT	0.1	158	11.5262	2.02392	0.414332	2.79655	-0.585	0
DHTD2	HKICKER	0	158	11.5262	2.02392	0.414332	2.79655	-0.585	0
Q2B2	DRIFT	0.9	158.9	8.24128	1.62599	0.472751	4.23831	-1.01696	0
BND	SBEND	1.5	160.4	4.15617	1.06233	0.707198	8.36909	-1.7369	0
B2Q3	DRIFT	0.9	161.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
DVTD3	VKICKER	0	161.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
Q3U	DRIFT	0.1	161.4	2.54365	0.550189	0.953878	12.3228	-2.21685	0
QVD3	QUADRUPOLE	0.5	161.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
BPMD3	MONITOR	0	161.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
Q3D	DRIFT	1.00E-02	161.91	2.5547	-0.55531	1.17363	12.2797	2.21004	0
SVD3	SEXTUPOLE	0.3	162.21	2.93398	-0.70895	1.35969	10.9968	2.06629	0
Q3B3	DRIFT	0.69	162.9	4.15617	-1.06233	1.78763	8.37344	1.73565	0
BND	SBEND	1.5	164.4	8.24128	-1.62599	2.82442	4.24467	1.01686	0
B3Q4	DRIFT	0.9	165.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
DHTD4	HKICKER	0	165.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
Q4U	DRIFT	0.1	165.4	11.9354	-2.06813	3.58215	2.69014	0.537671	0
QHD4	QUADRUPOLE	0.5	165.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
BPMD4	MONITOR	0	165.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
Q4D	DRIFT	1.00E-02	165.91	11.9102	2.03446	3.64311	2.71444	-0.5699	0
SHD4	SEXTUPOLE	0.3	166.21	10.7284	1.90502	3.49379	3.1003	-0.71631	0
Q4B4	DRIFT	0.69	166.9	8.30491	1.6073	3.15036	4.32117	-1.05307	0
BND	SBEND	1.5	168.4	4.24833	1.06224	2.49482	8.57849	-1.78515	0
B4Q5	DRIFT	0.69	169.09	3.02095	0.716563	2.23709	11.2744	-2.1219	0
SVD5	SEXTUPOLE	0.3	169.39	2.63611	0.566266	2.12503	12.5914	-2.26832	0
Q5U	DRIFT	1.00E-02	169.4	2.62483	0.561256	2.1213	12.6368	-2.2732	0
QVD5	QUADRUPOLE	0.5	169.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
BPMD5	MONITOR	0	169.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
Q5D	DRIFT	0.1	170	2.74209	-0.61136	2.15865	12.1871	2.22439	0
DVTD5	VKICKER	0	170	2.74209	-0.61136	2.15865	12.1871	2.22439	0
Q5B6	DRIFT	0.9	170.9	4.24833	-1.06224	2.49482	8.57849	1.78515	0
BND	SBEND	1.5	172.4	8.30491	-1.6073	3.15036	4.32117	1.05307	0
B6Q6	DRIFT	0.69	173.09	10.7284	-1.90502	3.49379	3.1003	0.716313	0
SHD6	SEXTUPOLE	0.3	173.39	11.9102	-2.03446	3.64311	2.71444	0.569898	0
Q6U	DRIFT	1.00E-02	173.4	11.951	-2.03877	3.64809	2.70309	0.565017	0
QHD6	QUADRUPOLE	0.5	173.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
BPMD6	MONITOR	0	173.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0

Q6D	DRIFT	0.1	174	11.5262	2.02392	3.50637	2.80247	-0.58559	0
DHTD6	HKICKER	0	174	11.5262	2.02392	3.50637	2.80247	-0.58559	0
Q6B7	DRIFT	0.9	174.9	8.24128	1.62599	2.82442	4.24467	-1.01686	0
BND	SBEND	1.5	176.4	4.15617	1.06233	1.78763	8.37344	-1.73565	0
B7Q7	DRIFT	0.69	177.09	2.93398	0.708953	1.35969	10.9968	-2.06629	0
SVD7	SEXTUPOLE	0.3	177.39	2.5547	0.555311	1.17363	12.2797	-2.21004	0
Q7U	DRIFT	1.00E-02	177.4	2.54365	0.550189	1.16743	12.3239	-2.21484	0
QVD7	QUADRUPOLE	0.5	177.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
BPMD7	MONITOR	0	177.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
Q7D	DRIFT	0.1	178	2.65881	-0.6014	0.92921	11.8843	2.16886	0
DVTD7	VKICKER	0	178	2.65881	-0.6014	0.92921	11.8843	2.16886	0
Q7B8	DRIFT	0.9	178.9	4.15617	-1.06233	0.707198	8.36909	1.7369	0
BND	SBEND	1.5	180.4	8.24128	-1.62599	0.472751	4.23831	1.01696	0
B8Q8	DRIFT	0.89	181.29	11.4858	-2.0195	0.414981	2.80829	0.589798	0
OHD8	OCTUPOLE	0.1	181.39	11.8941	-2.06371	0.40849	2.69513	0.541802	0
Q8U	DRIFT	1.00E-02	181.4	11.9354	-2.06813	0.407841	2.68435	0.537003	0
QHD8	QUADRUPOLE	0.5	181.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
BPMD8	MONITOR	0	181.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
Q8D	DRIFT	0.1	182	11.5475	1.99563	0.322387	2.8149	-0.61301	0
DHTD8	HKICKER	0	182	11.5475	1.99563	0.322387	2.8149	-0.61301	0
Q8B9	DRIFT	0.9	182.9	8.3049	1.60729	0.146802	4.31421	-1.05289	0
BND	SBEND	1.5	184.4	4.24833	1.06224	6.96E-06	8.57256	-1.78601	0
B9Q9	DRIFT	0.89	185.29	2.75437	0.616365	3.45E-06	12.1388	-2.221	0
OVD9	OCTUPOLE	0.1	185.39	2.63611	0.566266	3.05E-06	12.5879	-2.26988	0
Q9U	DRIFT	1.00E-02	185.4	2.62483	0.561256	3.01E-06	12.6333	-2.27476	0
QVD9	QUADRUPOLE	0.5	185.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
BPMD9	MONITOR	0	185.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
Q9D	DRIFT	0.1	186	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0
DVTD9	VKICKER	0	186	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0
UU9	DRIFT	1.6125	187.613	4.74243	-1.02845	-4.67E-06	10.3453	0.736125	0
UU	DRIFT	1.7125	189.325	9.53734	-1.77149	-1.05E-05	8.26114	0.480891	0
UU	DRIFT	1.7125	191.038	16.8772	-2.51454	-1.64E-05	7.05117	0.225656	0
UU10	DRIFT	1.6125	192.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
DHTD10	HKICKER	0	192.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
DVTD10	VKICKER	0	192.65	26.1147	-3.21419	-2.19E-05	6.71097	-1.47E-02	0
Q10U	DRIFT	0.1	192.75	26.7619	-3.25758	-2.22E-05	6.71539	-2.96E-02	0

BPMD10	MONITOR	0	192.75	26.7619	-3.25758	-2.22E-05	6.71539	-2.96E-02	0
QHD10	QUADRUPOLE	0.7	193.45	23.039	8.00589	-2.11E-05	9.19215	-3.87232	0
VV	DRIFT	0.4	193.85	17.0864	6.87573	-1.85E-05	12.5684	-4.56834	0
QVD11	QUADRUPOLE	0.55	194.4	13.178	0.720439	-1.67E-05	14.9533	0.539723	0
WW	DRIFT	3.125	197.525	9.80096	0.360219	-1.67E-05	12.4233	0.269862	0
WW	DRIFT	3.125	200.65	8.67527	-9.67E-16	-1.67E-05	11.58	2.11E-15	0
WW	DRIFT	3.125	203.775	9.80096	-0.36022	-1.67E-05	12.4233	-0.26986	0
WW	DRIFT	3.125	206.9	13.178	-0.72044	-1.67E-05	14.9533	-0.53972	0
QVD12	QUADRUPOLE	0.55	207.45	17.0864	-6.87573	-1.85E-05	12.5684	4.56834	0
VV	DRIFT	0.4	207.85	23.039	-8.00589	-2.11E-05	9.19215	3.87232	0
QHD13	QUADRUPOLE	0.7	208.55	26.7619	3.25758	-2.22E-05	6.71539	2.96E-02	0
BPMD13	MONITOR	0	208.55	26.7619	3.25758	-2.22E-05	6.71539	2.96E-02	0
Q13D	DRIFT	0.1	208.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
DHTD13	HKICKER	0	208.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
DVTD13	VKICKER	0	208.65	26.1147	3.21419	-2.19E-05	6.71097	1.47E-02	0
UU13	DRIFT	1.6125	210.262	16.8772	2.51454	-1.64E-05	7.05117	-0.22566	0
UU	DRIFT	1.7125	211.975	9.53734	1.77149	-1.05E-05	8.26114	-0.48089	0
UU	DRIFT	1.7125	213.688	4.74243	1.02845	-4.67E-06	10.3453	-0.73613	0
UU1	DRIFT	1.4025	215.09	2.7111	0.419915	1.28E-07	12.7033	-0.94516	0
SVA1	SEXTUPOLE	0.3	215.39	2.4982	0.289747	1.15E-06	13.2838	-0.98987	0
Q1U	DRIFT	1.00E-02	215.4	2.49245	0.285408	1.19E-06	13.3036	-0.99136	0
QVA1	QUADRUPOLE	0.5	215.9	2.62483	-0.56126	3.01E-06	12.6333	2.27476	0
BPMA1	MONITOR	0	215.9	2.62483	-0.56126	3.01E-06	12.6333	2.27476	0
Q1D	DRIFT	0.1	216	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
DVTA1	VKICKER	0	216	2.74209	-0.61136	3.41E-06	12.1833	2.22589	0
Q1B1	DRIFT	0.9	216.9	4.24833	-1.06224	6.96E-06	8.57256	1.78601	0
BND	SBEND	1.5	218.4	8.3049	-1.60729	0.146802	4.31421	1.05289	0
B1Q2	DRIFT	0.69	219.09	10.7284	-1.90502	0.281417	3.09392	0.71565	0
SHA2	SEXTUPOLE	0.3	219.39	11.9102	-2.03446	0.339945	2.70852	0.569025	0
Q2U	DRIFT	1.00E-02	219.4	11.951	-2.03877	0.341896	2.69719	0.564138	0
QHA2	QUADRUPOLE	0.5	219.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
BPMA2	MONITOR	0	219.9	11.9354	2.06813	0.407841	2.68435	-0.537	0
Q2D	DRIFT	0.1	220	11.5262	2.02392	0.414332	2.79655	-0.585	0
DHTA2	HKICKER	0	220	11.5262	2.02392	0.414332	2.79655	-0.585	0
Q2B2	DRIFT	0.9	220.9	8.24128	1.62599	0.472751	4.23831	-1.01696	0
BND	SBEND	1.5	222.4	4.15617	1.06233	0.707198	8.36909	-1.7369	0

B2Q3	DRIFT	0.9	223.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
DVTA3	VKICKER	0	223.3	2.65881	0.601403	0.92921	11.8843	-2.16886	0
Q3U	DRIFT	0.1	223.4	2.54365	0.550189	0.953878	12.3228	-2.21685	0
QVA3	QUADRUPOLE	0.5	223.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
BPMA3	MONITOR	0	223.9	2.54365	-0.55019	1.16743	12.3239	2.21484	0
Q3D	DRIFT	1.00E-02	223.91	2.5547	-0.55531	1.17363	12.2797	2.21004	0
SVA3	SEXTUPOLE	0.3	224.21	2.93398	-0.70895	1.35969	10.9968	2.06629	0
Q3B3	DRIFT	0.69	224.9	4.15617	-1.06233	1.78763	8.37344	1.73565	0
BND	SBEND	1.5	226.4	8.24128	-1.62599	2.82442	4.24467	1.01686	0
B3Q4	DRIFT	0.9	227.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
DHTA4	HKICKER	0	227.3	11.5262	-2.02392	3.50637	2.80247	0.58559	0
Q4U	DRIFT	0.1	227.4	11.9354	-2.06813	3.58215	2.69014	0.537671	0
QHA4	QUADRUPOLE	0.5	227.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
BPMA4	MONITOR	0	227.9	11.951	2.03877	3.64809	2.70309	-0.56502	0
Q4D	DRIFT	1.00E-02	227.91	11.9102	2.03446	3.64311	2.71444	-0.5699	0
SHA4	SEXTUPOLE	0.3	228.21	10.7284	1.90502	3.49379	3.1003	-0.71631	0
Q4B4	DRIFT	0.69	228.9	8.30491	1.6073	3.15036	4.32117	-1.05307	0
BND	SBEND	1.5	230.4	4.24833	1.06224	2.49482	8.57849	-1.78515	0
B4Q5	DRIFT	0.69	231.09	3.02095	0.716563	2.23709	11.2744	-2.1219	0
SVA5	SEXTUPOLE	0.3	231.39	2.63611	0.566266	2.12503	12.5914	-2.26832	0
Q5U	DRIFT	1.00E-02	231.4	2.62483	0.561256	2.1213	12.6368	-2.2732	0
QVA5	QUADRUPOLE	0.5	231.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
BPMA5	MONITOR	0	231.9	2.62483	-0.56126	2.1213	12.6368	2.2732	0
Q5D	DRIFT	0.1	232	2.74209	-0.61136	2.15865	12.1871	2.22439	0
DVTA5	VKICKER	0	232	2.74209	-0.61136	2.15865	12.1871	2.22439	0
Q5B6	DRIFT	0.9	232.9	4.24833	-1.06224	2.49482	8.57849	1.78515	0
BND	SBEND	1.5	234.4	8.30491	-1.6073	3.15036	4.32117	1.05307	0
B6Q6	DRIFT	0.69	235.09	10.7284	-1.90502	3.49379	3.1003	0.716313	0
SHA6	SEXTUPOLE	0.3	235.39	11.9102	-2.03446	3.64311	2.71444	0.569898	0
Q6U	DRIFT	1.00E-02	235.4	11.951	-2.03877	3.64809	2.70309	0.565017	0
QHA6	QUADRUPOLE	0.5	235.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
BPMA6	MONITOR	0	235.9	11.9354	2.06813	3.58215	2.69014	-0.53767	0
Q6D	DRIFT	0.1	236	11.5262	2.02392	3.50637	2.80247	-0.58559	0
DHTA6	HKICKER	0	236	11.5262	2.02392	3.50637	2.80247	-0.58559	0
Q6B7	DRIFT	0.9	236.9	8.24128	1.62599	2.82442	4.24467	-1.01686	0
BND	SBEND	1.5	238.4	4.15617	1.06233	1.78763	8.37344	-1.73565	0

B7Q7	DRIFT	0.69	239.09	2.93398	0.708953	1.35969	10.9968	-2.06629	0
SVA7	SEXTUPOLE	0.3	239.39	2.5547	0.555311	1.17363	12.2797	-2.21004	0
Q7U	DRIFT	1.00E-02	239.4	2.54365	0.550189	1.16743	12.3239	-2.21484	0
QVA7	QUADRUPOLE	0.5	239.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
BPMA7	MONITOR	0	239.9	2.54365	-0.55019	0.953878	12.3228	2.21685	0
Q7D	DRIFT	0.1	240	2.65881	-0.6014	0.92921	11.8843	2.16886	0
DVTA7	VKICKER	0	240	2.65881	-0.6014	0.92921	11.8843	2.16886	0
Q7B8	DRIFT	0.9	240.9	4.15617	-1.06233	0.707198	8.36909	1.7369	0
BND	SBEND	1.5	242.4	8.24128	-1.62599	0.472751	4.23831	1.01696	0
B8Q8	DRIFT	0.89	243.29	11.4858	-2.0195	0.414981	2.80829	0.589798	0
OHA8	OCTUPOLE	0.1	243.39	11.8941	-2.06371	0.40849	2.69513	0.541802	0
Q8U	DRIFT	1.00E-02	243.4	11.9354	-2.06813	0.407841	2.68435	0.537003	0
QHA8	QUADRUPOLE	0.5	243.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
BPMA8	MONITOR	0	243.9	11.951	2.03877	0.341896	2.69719	-0.56414	0
Q8D	DRIFT	0.1	244	11.5475	1.99563	0.322387	2.8149	-0.61301	0
DHTA8	HKICKER	0	244	11.5475	1.99563	0.322387	2.8149	-0.61301	0
Q8B9	DRIFT	0.9	244.9	8.3049	1.60729	0.146802	4.31421	-1.05289	0
BND	SBEND	1.5	246.4	4.24833	1.06224	6.96E-06	8.57256	-1.78601	0
B9Q9	DRIFT	0.89	247.29	2.75437	0.616365	3.45E-06	12.1388	-2.221	0
OVA9	OCTUPOLE	0.1	247.39	2.63611	0.566266	3.05E-06	12.5879	-2.26988	0
Q9U	DRIFT	1.00E-02	247.4	2.62483	0.561256	3.01E-06	12.6333	-2.27476	0
QVA9	QUADRUPOLE	0.5	247.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
BPMA9	MONITOR	0	247.9	2.49245	-0.28541	1.19E-06	13.3036	0.991359	0
Q9D	DRIFT	0.1	248	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0
DVTA9	VKICKER	0	248	2.55387	-0.3288	8.47E-07	13.1068	0.976455	0