

APPENDIX

Table 1: The lattice specifications of the PBP-CMU Linac system.

Element	Effective length [cm]	Diameter [cm]
Drift 1	7.08	2.5
Steering 1	3.90	2.5
Drift 2	0.00	2.5
Quadrupole 1	7.75	2.5
Drift 3	12.25	2.5
Quadrupole 2	7.75	2.5
Drift 4	3.75	2.5
Quadrupole 3	7.75	2.5
Drift 5	0.14	2.5
Steering 2	4.78	2.5
Drift 6	1.71	2.5
Drift 66	13.33	2.2
Alpha	0.00	2.2
Drift 77	13.33	2.2
Drift 7	5.41	2.5
Steering 3	4.78	2.5
Drift 8	6.94	2.5
Quadrupole 4	7.75	2.5
Drift 9	4.25	2.5
Quadrupole 5	7.75	2.5
Drift 10	0.84	2.5
Steering 4	4.78	2.5
Drift 11	46.51	2.5
Drift 111	4.23	2
Linac	295.55	2.6
Drift 122	4.23	2
Drift 12	80.15	2.5
Quadrupole 6	7.80	2.5
Drift 13	7.80	2.5
Quadrupole 7	7.80	2.5
Drift 14	69.15	2.5

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