

Table 1: Disrupted beam power loss in the 14 mrad extraction line for 0.75 mrad photon aperture model.

CM energy	$x/y$ offset [nm]	Total electron loss (kW)				Total BS photon loss (kW)				Electron loss on SC quads [kW]
		Prior to collim.	Collimators			Prior to collim.	Collimators			
			1	2	3		1	2	3	
0.5 TeV nominal (c11)	0 / 0	0	0	1.4	0.77	0	0	0.002	0	0
	0 / 200	0.0009	3.8	25	2.7	0	0.09	13	0	0
0.5 TeV low-P (c14)	0 / 0	0.27	11	88	18					0
	400 / 0	0.21	13	83	18					0
	0 / 120	1.2	131	232	22	0.06	53	79	0	0
0.5 TeV high-L (c15)	0 / 0	2.0	39	230	46	0	1.8	28	0	0.002
	0 / 120	15.5	477	584	53	0.48	136	195	0	0
1.0 TeV nominal (c21)	0 / 0	0.25	0.46	0.39	0	0	0	0	0	0
	0 / 100	2.3	1.1	14	2.1	0	0	0.17	0	0
1.0 TeV large-Y (c23)	0 / 0	1.4	4.3	87	20					0
	200 / 0	1.2	5.6	87	21					0
1.0 TeV low-P (c24)	0 / 0	18.0	6.9	74	17					0.010
	200 / 0	17.7	5.9	87	19					0.013
	0 / 120	46	114	499	19	0.06	4.9	40	0	0.005
1.0 TeV high-L (c25)	0 / 0	105	32	376	60	0.013	1.2	7.2	0	0.55
	0 / 80	256	587	1404	69	0.99	47	276	0	0.58
1.0 TeV high-L (c26)	0 / 0	1.8	1.5	1.4	1.4	0	0	0	0	0
	0 / 100	10.2	4.2	203	17	0	0.07	2.1	0	0
1.0 TeV high-L (c27)	0 / 0	1.3	0.84	0.94	0.15	0	0	0.003	0	0
	0 / 100	6.7	4.3	119	8.4	0	0.04	0.90	0	0