

RF power table for Six cavity test. Beam current 10 mA.
Version 9

Cavity	Beta of cavity	Rsh MOhm	Q_0	Voltage eff MV	Phi_s degrees	W kin MeV out	dW MeV	Pcopper kW	Pbeam kW I= 10 mA
RFQ						2.50639			
Buncher1	0.07437	2.16333	26650	0.1022	-90	2.50639	0.0	4.83	0
CH1	0.07437	10.45	9270	0.1	70	2.54059	0.0342	0.96	0.34202
CH2	0.0771	10.55	9662	0.2344	-50	2.69126	0.15067	5.2	1.50669
CH3	0.08044	10.994	10051	0.294	50	2.88024	0.18898	7.9	1.8898
CH4	0.08421	11.15	10461	0.4008	-50	3.13787	0.25763	14.41	2.57629
Buncher2	0.07437	2.16333	26650	0.1168	-90	3.13787	0	6.31	0

Cavity	Q0, meas	Ql, meas
RFQ	96409/14/2009	3940 6/8/2008
Buncher1	23200 7/2/2009	10430 8/2/2009
CH1	9100 12/6/2006	4450 5/15/2007
CH2	9250 1/18/2008	3500 2/6/2008
CH3	9580 1/20/2008	4100 8/8/2008
CH4	9990 1/16/2008	4220 9/18/2008
Buncher2	23240 7/8/2009	10400 8/6/2009

Quadrupole lens gradients for Six cavity test.
Version 9

Q1 Linac	10.25 T/m
Q2 Linac	-13.12 T/m
Q3 Linac	7.6 T/m
Q4 Linac	-4.0 T/m
Q5 Linac	9.2 T/m
Q6 Linac	-7.3 T/m
Q7 Corrector	1.6 T/m
Q8 Corrector	-2.1 T/m
Q9 Corrector	1.4 T/m