

Calculated RICH Radii

Momentum (GeV/c)	Electron		Muon		Pion		Kaon		Proton	
	R (cm)	Photons	R (cm)	Photons	R (cm)	Photons	R (cm)	Photons	R (cm)	Photons
5	30.68	145	22.48	78	13.61	27	0	0	0	0
10	30.68	145	28.85	128	27.40	116	0	0	0	0
15	30.68	145	29.88	138	29.27	132	1.44	0	0	0
20	30.68	145	30.23	141	29.89	138	18.64	53	0	0
25	30.68	145	30.39	143	30.18	141	23.67	86	0	0
30	30.68	145	30.48	143	30.33	142	26.01	104	7.32	2
35	30.68	145	30.53	144	30.42	143	27.33	115	15.57	36
40	30.68	145	30.57	144	30.48	143	28.15	122	20.12	62
45	30.68	145	30.59	144	30.53	144	28.70	127	22.73	79
50	30.68	145	30.61	145	30.55	144	29.08	131	24.44	92
55	30.68	145	30.62	145	30.58	144	29.37	133	25.63	101
60	30.68	145	30.63	145	30.59	144	29.58	135	26.50	108
65	30.68	145	30.64	145	30.61	145	29.75	137	27.16	114
70	30.68	145	30.64	145	30.62	145	29.88	138	27.67	118
75	30.68	145	30.65	145	30.62	145	29.98	139	28.08	122
80	30.68	145	30.65	145	30.63	145	30.07	140	28.40	124
85	30.68	145	30.65	145	30.64	145	30.14	140	28.67	127
90	30.68	145	30.66	145	30.64	145	30.20	141	28.90	129
95	30.68	145	30.66	145	30.64	145	30.25	141	29.08	131
100	30.68	145	30.66	145	30.65	145	30.29	142	29.24	132
105	30.68	145	30.66	145	30.65	145	30.32	142	29.38	133
110	30.68	145	30.66	145	30.65	145	30.36	142	29.50	134
115	30.68	145	30.67	145	30.66	145	30.38	142	29.60	135

Note 1: The radius is taken as the mean of the distribution of photons.

High momentum rings have RMS width of about 0.7cm

Note 2: Number of photons is "detected" photons: it includes absorption in CO2 and Hamamatsu PMT efficiency.