

Prototype WC detector test @ELPH (2014)

Beam momentum: 450 MeV/c

Run summary

Beam current: ? A (5 sec spill / 13 sec cycle)

Run	Day	Mode	WC1: x [cm], y [cm], θ_x [deg], θ_y [deg] WC2: x [cm], y [cm], θ_x [deg], θ_y [deg]	WC O(N).P.E. [ch] 1-u, 1-d, 2-u, 2-d	Remarks
15	1	data1	0, 0, 0, 0 -, -, -, -		
16	1	data2	9, 0, 0, 0 -, -, -, -		
17	1	data2	9, 0, 0, 0 -, -, -, -		
18	1	data2	9, 0, 0, 0 -, -, -, -		
19	1	data2	9, 0, 0, 0 -, -, -, -		
20	1	data3	9, 10, 0, 0 -, -, -, -		
21	1	data4	9, 20, 0, 0 -, -, -, -		
22	1	data4	9, 20, 0, 0 -, -, -, -		
23	1	data5	9, 23, 0, 0 -, -, -, -		
24	1	data6	9, 25, 0, 0 -, -, -, -		
25	1	data6	9, 25, 0, 0 -, -, -, -		
26	1	data7	9, 27, 0, 0 -, -, -, -		
27	1	data7	9, 27, 0, 0 -, -, -, -		
28	1	data8	9, 29, 0, 0 -, -, -, -		*
29	1	data8	9, 29, 0, 0 -, -, -, -		*
30	1	data8	9, 29, 0, 0 -, -, -, -		* 250 MeV/c
31	1	data9	9, 31, 0, 0 -, -, -, -		*
32	1	data9	9, 31, 0, 0 -, -, -, -		* 650 MeV/c
33	1	data9	9, 31, 0, 0 -, -, -, -		*
34	1	data9	9, 31, 0, 0 -, -, -, -		*
35	1	data9	9, 31, 0, 0 -, -, -, -		* 450 MeV/c
36	1	data9	9, 31, 0, 0 -, -, -, -		* 250 MeV/c
37	1	pedestal		87.5, 70.1, 107.5, 79.0	
38	1	LED			Freq. = 10 kHz width = 8 ns Amp = 6.0 V
39	1	LED			Amp = 5.8 V
40	1	LED			Amp = 5.0 V
41	1	junk			
42	1	-			
43	1	-			
44	1	-			trigger: S1xS2 --> S1xS2xF1
45	1	-			
46	1	-			
47	1	-			
48	1	-			
49	2	data10	0, 0, 0, 0 0, 0, 0, 0		
50	2	data11	9, 0, 0, 0 0, 0, 10, 0		
51	2	pedestal		94.5, 57.6, 96.9, 78.0	
52	2	LED			junk?
53	2	LED			Freq. = 10 kHz width = 8 ns Amp = 7.0 V
54	2	LED			
55	2	data11	9, 0, 0, 0 0, 0, 10, 0		
56	2	LED			Amp = 9.0 V Attenuator: w2, 0 dB
57	2	LED			Amp = 10.0 V Attenuator: w2, 0 dB

58	2	LED			Amp = 9.5 V Attenuator: w2, 0 dB
59	2	LED			Amp = 8.5 V Attenuator: w2, 0 dB
60	2	LED			Amp = 10.0 V Attenuator: w1, 2 dB
61	2	LED			Amp = 10.0 V Attenuator: w1, 1 dB
62	2	data12	4, 0, 0, 0 9, 0, 10, 0		
63	2	data12	4, 0, 0, 0 9, 0, 10, 0		
64	2	data12	4, 0, 0, 0 9, 0, 10, 0		
65	2	-			
66	2	-			
67	2	-			
68	2	data13	0, 10, 0, 0 9, 10, 10, 0		
69	2	data13	0, 10, 0, 0 9, 10, 10, 0		
70	2	data13	0, 10, 0, 0 9, 10, 10, 0		
71	2	pedestal			10 k
72	2	pedestal		93.6, 56.8, 95.9, 76.9	36 k
73	2	data14	0, 20, 0, 0 9, 20, 10, 0		
74	2	data14	0, 20, 0, 0 9, 20, 10, 0		
75	2	data14	0, 20, 0, 0 9, 20, 10, 0		
76	2	data15	0, 23, 0, 0 9, 23, 10, 0		
77	2	data15	0, 23, 0, 0 9, 23, 10, 0		
78	2	data16	0, 25, 0, 0 9, 25, 10, 0		
79	2	data16	0, 25, 0, 0 9, 25, 10, 0		
80	2	data16	0, 25, 0, 0 9, 25, 10, 0		
81	2	?			
82	2	LED			Function generator + LED 4.15 VでOK
83	2	LED			
84	2	LED			
85	2	LED			
86	2	-			
87	2	data16	0, 25, 0, 0 9, 25, 10, 0		
88	2	data17	0, 27, 0, 0 9, 27, 10, 0		
89	2	data18	0, 29, 0, 0 9, 29, 10, 0		
90	2	data19	0, 31, 0, 0 9, 31, 10, 0		
91	2	data20	0, 33, 0, 0 9, 33, 10, 0		
92	2	data21	0, 33, 0 [~] 10, 0 7, 0, 0, 0		*
93	2	data21	0, 33, 0 [~] 10, 0 7, 0, 0, 0		*
94	2	data21	0, 33, 0 [~] 10, 0 7, 0, 0, 0		* 250 MeV/c
95	2	data24	0, 27, 0 [~] 10, 0 4, 27, 0, 0		* 650 MeV/c
96	2	data24	0, 27, 0 [~] 10, 0 4, 27, 0, 0		*
97	2	data24	0, 27, 0 [~] 10, 0 4, 27, 0, 0		*
98	2	data23	0, 30, 0 [~] 10, 0 4, 30, 0, 0		* 450 MeV/c
99	2	data23	0, 30, 0 [~] 10, 0 4, 30, 0, 0		* 250 MeV/c
100	2	data24	0, 33, 0 [~] 10, 0 4, 33, 0, 0		
101	2	data24	0, 33, 0 [~] 10, 0 4, 33, 0, 0		
102	2	pedestal		93.0, 57.7, 95.6, 77.0	two peaks
103	2	pedestal		93.6, 95.1, 96.1, 76.8	
104	2	LED			4.08 V, 8 ns

105	2	LED			4.08 V, 8 ns
106	2	LED			4.09 V, 8 ns
107	2	LED			4.10 V, 8 ns, junk
108	2	LED			4.13 V, 8 ns
109	2	LED			4.12 V, 8 ns
110	2	LED			4.15 V, 8 ns
111	2	LED			4.20 V, 60 ns
112	2	LED			4.20 V, 50 ns
113	2	LED			4.20 V, 56 ns
114	2	LED			4.20 V, 57 ns
115	2	LED			4.20 V, 58 ns
116	2	LED			4.20 V, 59 ns
117	2	LED			6.21 V, 59 ns
118	2	LED			9.20 V, 10 ns
119	2	LED			9.30 V, 10 ns
120	2	LED			9.40 V, 10 ns
121	2	LED			9.60 V, 10 ns
122	2	LED			9.56 V, 10 ns
123	2	LED			9.56 V, 10 ns
124	2	LED			4.12 V, 8 ns
125	2	LED			4.15 V, 8 ns
126	2	LED			4.20 V, 8 ns
127	2	LED			4.22 V, 8 ns
128	2	LED			4.24 V, 8 ns
129	2	LED		100.94, 62.9, 103.2, 81.8	4.25 V, 8 ns