



Jefferson Lab Alignment Group

Data Transmittal

TO: Jack Segal

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FROM: Richard Schwartz

Checked:

: A1051

DETAILS:

Below are the results of the VDC wire chamber tube inspection. The numbers below represent the distance from the bottom reference surface to the center of each tube. The units are in millimeters. The tubes are numbered in a counter clockwise order starting from the extended portion of the circuit board as discussed in the lab. Note that the VDC reference surface was not supported in areas 1-51, 797-800, and 401-451(end areas). This could account for the lower readings in these areas due to sag as well as higher readings in areas 124-184, and 633-737 due to an upward bend.

TUBE	DIST.	Δ/AVG	TUBE	DIST.	Δ/AVG	TUBE	DIST.	Δ/AVG
1	12.76	-0.13	305	12.92	0.03	522	13.04	0.15
2	12.74	-0.15	306	12.91	0.02	523	13.01	0.12
3	12.75	-0.14	307	12.91	0.02	524	12.98	0.09
4	12.71	-0.18	308	12.98	0.09	560	12.96	0.07
25	12.76	-0.13	391	12.93	0.04	561	12.97	0.08
26	12.72	-0.17	392	12.93	0.04	562	12.87	-0.02
27	12.71	-0.18	393	12.92	0.03	563	12.92	0.03
28	12.73	-0.16	397	12.90	0.01	564	12.99	0.10
45	12.58	-0.31	398	12.92	0.03	605	12.91	0.02
46	12.68	-0.21	399	12.89	0.00	606	12.96	0.07
47	12.69	-0.20	400	12.89	0.00	607	12.91	0.02
48	12.67	-0.22	401	12.80	-0.09	608	12.91	0.02
49	12.68	-0.21	402	12.82	-0.07	633	12.95	0.06
50	12.73	-0.16	403	12.83	-0.06	634	12.92	0.03
51	12.73	-0.16	408	12.84	-0.05	635	12.95	0.06
79	13.00	0.11	409	12.86	-0.03	636	12.96	0.07
80	12.92	0.03	410	12.86	-0.03	677	13.02	0.13
81	12.93	0.04	439	12.81	-0.08	678	12.99	0.10
82	12.93	0.04	440	12.81	-0.08	679	13.02	0.13
124	13.09	0.20	441	12.79	-0.10	680	13.04	0.15
125	13.08	0.19	446	12.73	-0.16	734	13.09	0.20
126	13.10	0.21	447	12.75	-0.14	735	13.07	0.18
127	13.09	0.20	448	12.73	-0.16	736	13.10	0.21
181	13.07	0.18	449	12.76	-0.13	737	13.08	0.19
182	13.05	0.16	450	12.73	-0.16	797	12.84	-0.05
183	13.07	0.18	451	12.78	-0.11	798	12.79	-0.10
184	13.07	0.18	471	12.92	0.03	799	12.78	-0.11
232	12.92	0.03	472	12.93	0.04	800	12.74	-0.15
233	12.87	-0.02	473	12.88	-0.01			
234	12.88	-0.01	474	12.88	-0.01			
235	12.89	0.00	489	12.98	0.09			
			490	12.95	0.06			
			491	12.95	0.06			
			492	12.97	0.08			