



Jefferson Lab Alignment Group

Data Transmittal

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FROM: Kelly Tremblay

Checked:

: L1526

DETAILS:

data : step2b\swcr\sw_ext\131111A

The BPM's and beampipe entrance and exit points in the 6T03, 8T03 and AT03 were located in the second extractor. The coordinates are the calculated beampipe / BPM centers based on the flange locations or cylinders of the BPM's. The as-set coordinates shown are based on the mechanical CEBAF system.

The beam following coordinates (BFS) are the deltas from the ideal coordinates and are shown in millimeters. A +X is to the beam left, and a +Y is up. Note that the dx positions should be approximately 14.4 mm to the beam left from ideal south linac X value of - 80.6000 m.

Name	As - Set			BFS	
	X [m]	Y [m]	Z [m]	dx [mm]	dy [mm]
Pass 6T					
IPM6E03 US	-80.6147	100.9998	-184.2484	14.74	-0.19
IPM6E03 DS	-80.6140	101.0002	-184.3821	14.01	0.21
PIPE 6E03 DS	-80.6120	101.0015	-184.9383	12.02	1.52
PIPE 6E03SM DS	-80.6137	101.0015	-184.9383	13.66	1.51
MQN6E03 DS	-80.6137	101.0000	-185.3237	13.71	-0.05
Pass 8T					
IPM8E03 US	-80.6140	100.4990	-184.2565	13.95	-1.05
IPM8E03 DS	-80.6133	100.5007	-184.3851	13.33	0.65
PIPE 8E03 DS	-80.6136	100.5004	-184.9467	13.59	0.42
PIPE 8E03SM DS	-80.6147	100.5002	-184.9467	14.72	0.18
MQN8E03 DS	-80.6144	100.4995	-185.4163	14.41	-0.52
Pass AT					
IPMAE03 US	-80.6143	100.0003	-184.2545	14.31	0.31
IPMAE03 DS	-80.6143	100.0000	-184.3853	14.27	0.00
PIPE AE03 DS	-80.6126	100.0001	-184.9451	12.59	0.10
PIPE AE03SM DS	-80.6136	99.9999	-184.9451	13.57	-0.06
MQNAE03 DS	-80.6145	99.9992	-185.4143	14.45	-0.80