



Jefferson Lab Alignment Group

Data Transmittal

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FROM: Chris Gould

Checked: KT

: L1550

DETAILS:

Calcs\Accel\spread_rec_summary\BPM LOCATIONS PR_REC_SUMMARY_1.xlsx
Calcs\beampipe_summary_2013_1.xlsx

Below are the locations of the BPM's in the Injector, 1st Spreader, Transport Recombiner and BSY regions. This transmittal is a supplement to L1522. Positions are given in CEBAF coordinates along with a beam following system. In the BFS, a positive X value is to the beam left and a positive Y value is above beam center.

Injector

Name	CEBAF Coordinates		BFS	
	X(M)	Y(M)	X(mm)	Y(mm)
IPM0L06A_US	80.6000	99.9997	0.0	-0.4
IPM0L06A_DS	80.6003	100.0006	0.3	0.6
IPM4D00_US	78.2859	100.0011	-0.6	1.1
IPM4D00_DS	78.1881	100.0005	-0.5	0.5

1st Spreader

Name	CEBAF Coordinates		BFS	
	X(M)	Y(M)	X(mm)	Y(mm)
IPM3S00_US	80.5957	100.7647	-4.3	-2.5
IPM3S00_DS	80.6015	100.8125	1.5	2.6
IPM5S00_US	80.5988	100.6275	-1.2	0.7
IPM5S00_DS	80.6006	100.6568	0.6	-0.8
IPM7S00_US	80.5986	100.3816	-1.4	0.8
IPM7S00_DS	80.5991	100.3813	-0.9	0.5
IPM9S00_US	80.6012	100.2600	1.2	-1.1
IPM9S00_DS	80.6009	100.2557	0.9	0.1

Transport Recombiner

Name	CEBAF Coordinates		BFS	
	X(M)	Y(M)	X(mm)	Y(mm)
IPM2T09A_US	-80.6020	100.3585	2.0	4.6
IPM2T09A_DS	-80.6036	100.3205	3.6	5.3
IPM4T09A_US	-80.5950	100.4669	-5.1	-8.6
IPM4T09A_DS	-80.5939	100.4311	-6.1	-8.2
IPM6T09A_US	-80.5991	100.6078	-0.9	-2.0
IPM6T09A_DS	-80.6007	100.5829	0.7	-2.7

BSY

Name	CEBAF Coordinates		BFS	
	X(M)	Y(M)	X(mm)	Y(mm)
IPM1C00_US	-80.5038	100.0242	1.3	2.2
IPM1C00_DS	-80.4995	100.0241	1.3	2.1
IPM2C00_US	-80.6016	100.0014	1.6	1.4
IPM2C00_DS	-80.6019	100.0007	1.9	0.7
IPM3C00_US	-80.6929	99.9779	2.2	-0.1
IPM3C00_DS	-80.6964	99.9770	1.0	-1.0