



Jefferson Lab Alignment Group

Data Transmittal

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DATE: Feb 14, 2005

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Checked:

: L979

DETAILS:

Below are the as found locations (with respect to ideal) and roll calculations for elements in the 5 Mev region of the injector. Letters refer to survey fiducials on the quads. BPMs were measured at the upstream (u) and downstream (d) flanges. The deltas are in millimeters, the roll is in milliradians, with positive being clockwise as viewed from upstream.

Component	Srv Date	DZ	DX	DY	Roll(mR)
QJ0L01_A	9/2/1994		0.11	0.02	
QJ0L01_B		-0.27		0.01	-0.067
QJ0L01_C				0.03	
QJ0L01_D			0.08	0.01	0.135
IPM0L01_u	9/2/1994		0.12	-0.15	
IPM0L01_d			0.13	-0.17	
QJ0L02_A	1/28/1997		-0.01	-0.01	
QJ0L02_B				-0.02	-0.067
QJ0L02_C				-0.04	
QJ0L02_D			-0.03	-0.02	-0.135
IPM0L02_u	1/28/1997		-0.11	0.51	
IPM0L02_d			-0.10	0.25	
QJ0L02a_A	1/28/1997		0.09	-0.01	
QJ0L02a_B				-0.02	-0.067
QJ0L02a_C				-0.03	
QJ0L02a_D			0.08	-0.02	-0.067
QJ0L03_A	1/12/2000		-0.18	0.06	
QJ0L03_B				0.00	-0.404
QJ0L03_C				-0.01	
QJ0L03_D			-0.10	0.03	-0.270
IPM0L03_u	1/12/2000		-0.05	-0.13	
IPM0L03_d			**	**	
QJ0L03a_A	1/12/2000		-0.20	0.24	
QJ0L03a_B				0.27	0.202
QJ0L03a_C				0.30	
QJ0L03a_D			-0.19	0.28	0.135
IPM0L04_u	9/7/1994		-0.01	-0.41	
IPM0L04_d			0.17	0.11	
QJ0L04_A	9/7/1994		0.09	-0.13	
QJ0L04_B				-0.12	0.067
QJ0L04_C		0.14		-0.09	
QJ0L04_D			0.05	-0.14	0.337
IPM0L05_u	10/20/1993		-0.11	0.22	
IPM0L05_d			0.18	-0.73	
QJ0L05_A	10/20/1993		0.10	-0.11	
QJ0L05_B				-0.19	-0.539
QJ0L05_C				-0.15	
QJ0L05_D			0.10	-0.09	-0.405
IPM0L06_u	10/20/1993		0.36	0.20	
IPM0L06_d			0.32	-0.22	
QD0L06_A	6/7/1999		0.08	0.08	
QD0L06_B				0.02	-0.534
QD0L06_C				0.06	
QD0L06_D			0.01	0.10	-0.356