



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Dale

DATE: Sep 09, 2004

FROM: Chris Gould

Checked:

: B943

DETAILS:

Below are the results of the Pair Spectrometer Detector survey performed September 2, 2004. A right-handed coordinate system was established using the geometric centerline of the Pair Spectrometer Magnet with +X to the beam left and +Y above centerline. "US_BL" = Upstream Beam Left. "DS_BR" = Downstream Beam Right. The targets measured are on the upstream face of the detectors and are used to define the position. Values are in mm.

Detector target.	Z	X	Y
US_BL_DET_1	1416.0	282.3	1.8
US_BL_DET_2	1418.4	303.0	-0.9
US_BL_DET_3	1404.1	321.1	0.8
US_BL_DET_4	1407.1	342.6	2.7
US_BL_DET_5	1394.3	358.3	0.4
US_BL_DET_6	1396.5	379.1	-0.4
US_BL_DET_7	1383.1	396.8	2.4
US_BL_DET_8	1386.5	418.5	-0.7
DS_BL_DET_1	1887.2	371.5	-0.8
DS_BL_DET_2	1902.1	405.3	-0.6
DS_BL_DET_3	1872.2	425.5	-0.1
DS_BL_DET_4	1888.8	457.3	2.7
DS_BL_DET_5	1859.3	477.4	1.9
DS_BL_DET_6	1874.9	508.8	0.1
DS_BL_DET_7	1845.9	528.0	-0.5
DS_BL_DET_8	1860.7	560.7	1.2
US_BR_DET_1	1418.7	-283.4	0.3
US_BR_DET_2	1423.9	-302.9	-0.3
US_BR_DET_3	1408.6	-320.9	-0.3
US_BR_DET_4	1412.4	-341.7	0.5
US_BR_DET_5	1398.3	-358.7	0.3
US_BR_DET_6	1402.2	-380.2	2.1
US_BR_DET_7	1388.2	-399.0	0.8
US_BR_DET_8	1391.3	-418.8	0.9
DS_BR_DET_1	1888.3	-372.9	-0.1
DS_BR_DET_2	1905.0	-403.4	-2.2
DS_BR_DET_3	1874.0	-425.1	0.7
DS_BR_DET_4	1889.0	-456.7	1.0
DS_BR_DET_5	1860.5	-476.6	-1.4
DS_BR_DET_6	1876.5	-507.5	2.5
DS_BR_DET_7	1845.8	-529.1	-1.0
DS_BR_DET_8	1863.4	-559.3	-0.5