Jefferson Lab Alignment Group

Data Transmittal

TO: J.P. Chen, J. LeRose		**DATE :**	Feb 21, 2003
FROM: Chris Curtis	**Checked:**	**#**	DT_A845

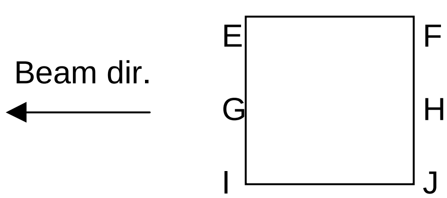
Details:

Below are the results of the Hall A He3 target ladder and compass survey performed on February 14th, 2003. The deltas shown for the target ladder represent the location (in mm) of the target with respect to the ideal position (not the movement). A positive X indicates that the point is located to the beam left *(please note that this was incorrectly reported as beam right in DTM #A833)*, positive Y is up, and positive Z is downstream. The compass angle deltas are offsets from the magnet field direction, (in degrees), which is based on the incoming beam line. They are listed sequentially as surveyed in the field. CW is a rotation clockwise looking from above.

TARGET MEASUREMENTS

SURVEY FIDUCIAL	Del Z	Del X	Del Y
ATGLADE	0.24	-0.70	2.63
ATGLADF	0.25	0.19	2.89
ATGLADI	0.99	-0.42	-1.66
ATGLADJ	0.68	-0.38	-0.38

TARGET LADDER FRAME



COMPASS MEASUREMENTS

TARGET	COMPASS ORIENTATION	Delta
1	parallel to beam (0 degrees)	0.0843 ccw
2	parallel to beam (repeat of 1)	0.0192 cw
3	parallel to beam (180 deg.)	0.4119 cw
4	parallel to beam (repeat of 2)	0.4600 cw
5	perpendicular to beam	2.0721 ccw