



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: A926

DETAILS:

Below are the results of the left septum magnet survey at the 6-degree position, carried out in Hall A on 31st March 2004. The results show the differences from ideal location for the visible fiducials on the magnet. Since these are not evenly located around the magnet, a reduction to the center has been carried out, and these deltas are also shown. Also included are the large slit apertures, which are based on the location of the outside fiducials of the slit box. These values are relative to the ideal target position upstream 800 millimeters from the pivot. The sieve slits were not located during this survey. The values are in millimeters in a beam following system, with +Z being downstream, +X to the beam left, and +Y up.

Point	DZ	DX	DY
E6SEP01	1.09	0.72	-0.03
E6SEP02	1.11	0.72	-0.08
E6SEP06	0.94	0.97	-0.05
E6SEP07	0.83	1.25	-0.14
E6SEP08	0.91	1.05	-0.79
E6SEP09	1.00	1.12	0.13
SEPTUM Center	1.14	0.86	0.01
Hadron (Rt) aperture	831.35	-83.84	0.44
Electron (Lt) aperture	831.79	84.42	0.09