



Jefferson Lab Alignment Group

Data Transmittal

TO: R. Kazimi, K. Mahoney, J. Grames

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FROM: J. Dahlberg

Checked: CJC

: L1132

DETAILS:

Data: Step2b\inj\070808a,070808c,070905a

Below are the results from the surveys performed on the 500 keV dump line and the Mott polarimeter during the month of Aug. 2007. Note that the harps on the 500 keV line were moved vertically 2 to 3 millimeters up from the previous location to correct the alignment between the valve and upstream dump flange. The values are in meters from the machine center and are to the geometric center of each component.

LOCATION	Z	X	Y	YAW ANGLE
500keV dipole	-252.66719	80.59036	0.00060	15.305°
500keV valve	-252.51239	80.51308	0.00224	
500keV harp1	-251.77913	80.09819	0.00117	
500keV harp2	-251.66980	80.03727	0.00019	
500keV dump upst flange	-251.62170	80.01061	-0.00022	
Mott dipole	-252.07920	80.26689	0.00101	51.566°
Upst solenoid	-251.93312	79.73317	-0.00121	
Dnst Solenoid	-251.90185	79.61681	-0.00095	
Mott target can	-251.79268	79.22425	-0.00095	