Jefferson Lab Alignment Group

Data Transmittal

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DETAILS:

Below are the results of the Line A Compton Detector vertical shift alignment. The coordinate system is relative to the geometric centerline of dipole MCP1P04. The Z, X, Y values are to a single point on the beam right side of the brass slot used only for obtaining a repeatable measurement point. The angular value is the "pitch" of the downstream face of the brass slot. A negative Z is upstream, negative X is to the beam right, and a negative Y is below. Values are in millimeters. Note the measurement for repeatability is upstream and low from the previous position. As the detector was driven in and out of the beam line, considerable vibration was seen.

Station	Z	X	Y	Angle
As-Found	-1267.01	-33.91	-33.50	71 mrad
After adjustment	-1265.78	-33.76	-31.40	78 mrad
Repeatability	-1266.05	-33.42	-32.41	76 mrad