



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlach

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Checked: JAC

: D1914

DETAILS:

data : step2b\halld\tagger\190114a

The Microscope (scintillators) near the Hall D tagger magnet were located on January 14th, 2019. The results are shown below.

The ideal and found coordinates are shown in meters relative to the CEBAF coordinate system. The beam following coordinates (bfs - millimeters) are also shown and are described as follows: Negative x is to the beam right from ideal beam looking downstream; positive y is the amount higher than beamline; negative z is amount upstream from ideal target. Positive yaw is the counter clockwise rotation about the Y axis; negative pitch is the clockwise rotation about the X axis (physics standard); positive roll is the clockwise rotation about the Z axis.

Microscope	Cebaf Coordinate Location [meters]			Beam Following [millimeters]			Angular Position [degrees]		
	X [m]	Y [m]	Z [m]	dX [mm]	dY [mm]	dZ [mm]	Yaw°	Pitch°	Roll°
Ideal	79.43323	104.70000	306.52356	-	-	-	-8.0500	0.0000	0.0000
As-found	79.43318	104.70753	306.52326	-0.09	0.18	-0.29	-8.0513	0.0020	0.0668