Jefferson Lab Alignment Group

Data Transmittal

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DETAILS:

Data: step2b\HALLA\TARGET\2006\061120A

Below are the results from the Hall A target survey performed Nov 20, 2006 for the E04-018 run. A +X is beam left from ideal, a +Y is above, and a +Z is downstream. A +pitch is counter clockwise looking from the beam right, a +yaw is ccw from above, and a +roll is cw looking from upstream. Values are in millimeters and degrees.
The collimator values are to the inside edges of the top and bottom bands.
The optics and 20cm target support values are to the beam left and top edges.
The 20cm target and Be target values are to the upstream edge of the individual target frames.

COMPONENT	Z	X	Y	Yaw	Pitch	Roll
Top cell	0.02	-0.17	-0.27	-0.015˚	-0.017˚	0.117˚
Bot cell	-1.28	1.34	-0.99	-0.271˚	-0.065˚	0.309˚
Top cell repeat	0.02	-0.19	-0.29	-0.034˚	- 0.017˚	0.119˚
Bot cell collimator			-11.8			
Bot cell coll.			10.0			
Top cell coll.			-11.4			
Top cell coll.			10.4			
Optics support		47.5	-8.8	-0.056˚	-0.217˚	
20cm support		47.8	-18.4	-0.030˚	-0.077˚	
20cm upst tgt.	-101.45					
20cm dnst tgt.	98.60					
Solid be tgt.	-7.68	3.86	0.05	-0.081˚	-0.912˚	