



DATE: 15 Oct 2010

: B1334

data : step2b\hallb\prmx10\100917a,100920a & 100922a

For the Hall coordinates, a -X indicates the found location is to the beam right, a -Y indicates the position is below ideal. The Z value is based on the ideal location of Clas. A +dx indicates the found location is to the beam left of ideal and a -dz indicates how far upstream from ideal the component is. A + delta Yaw angle is counter clockwise looking from above, a + delta Pitch is ccw looking from the beam right, and a + delta Roll angle is cw looking from upstream.

Components labeled HO are the hodoscopes; UR : downstream beam right ; UL : upstream beam left; DL: downstream beam left ; DR : downstream beam right.

	Hall Coordinates (mm)									
Component	X (mm)	Y (mm)	Z (mm)	dx	dy	dz	dyaw	dpitch	droll	Ideal Yaw
COLLIMATOR	0.0	-0.3	-16175.8	-0.6	-0.3	0.0	0.013	-0.052	n/a	n/a
SWEEP	0.0	0.1	-15459.8	-0.1	0.1	n/a	-0.069	0.018	n/a	n/a
HRPRAD	0.0	-0.1	-15647.3	-0.1	-0.1	1.3	-0.033	-0.052	-0.140	180.000
MPS2H01	0.0	-0.3	-13868.7	0.1	-0.3	1.0	-0.019	0.055	0.005	180.000
HODOUL	213.8	0.7	-12783.6	0.7	0.7	-0.2	-0.403	0.564	-1.009	176.300
HODOUR	-213.5	0.6	-12783.6	-0.4	0.6	-2.2	0.367	-0.163	-0.712	183.700
HODODL	281.2	-0.8	-12317.6	1.3	-0.8	0.4	0.287	-0.127	0.083	176.300
HODODR	-279.7	1.8	-12316.7	0.4	1.8	-1.2	0.195	-0.518	-0.158	183.700
Clas Cl	0.0	0.0	0.0							
	Cebaf Ideal Coordinates									
Component	X (m)	Y (m)	Z (m)							
COLLIMATOR	-80.6000	103.3433	-383.9190							
SWEEP	-80.6000	103.3433	-384.6350							
HRPRAD	-80.6000	103.3433	-384.4475							
MPS2H01	-80.6000	103.3433	-386.2262							
HODOUL	-80.8130	103.3433	-387.3112							
HODOUR	-80.3870	103.3433	-387.3112							
HODODL	-80.8800	103.3433	-387.7772							
HODODR	-80.3200	103.3433	-387.7781							
Clas Cl	-80.6000	103.3433	-400.0948							