-Jefferson Lab -Jefferson Lab Alignment Group Data Transmittal

		Dut		muuai		
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ROM: Kelly Tremblay			Checked: (cjc)		# : A1249	
TAILS:		data: aalign\e	electron&sh\20	09\E110309a & aa	lign\hadron\2()09\H110409a
Below are the and the calor the PV DIS e group pointin millimeters fr Y is too high.	eresults from imeter carried xperiment in l g surveys. Th om the ideal p	the survey of t d out on Noven Hall A. The spe ne values for th position of eacl	the left and nber 3 rd and ectrometer o he superharp h fiducial. A	right spectrome I 4 th , 2009. This data is based up os and cavity bp positive X value	ters, super survey wor oon the star oms represe e is to the b	narps, cavity bpms k is in support of ndard alignment ent the difference in eam left, a positive
The central ray of It is missing the If the offset is co *.9PR: 0.128	of the spectrom defined target prrected by sec *.3DD: 1.4	eter is at -12.88 center by 1.22 condary alignme 2	95 degrees. 2 mm upstre ent, the specti	am, and -0.20 r rometer will be at	nm vertically -12.903 det	[,] (positive = up). grees.
Right Spectro The central ray It is missing the	ometer: H110 of the spectron defined target	409A neter is at 20.0 center by 3.10	22 degrees. mm downstre	eam, and 0.73 n	nm vertically	(positive = up).
If the offset is co *.9PR: 0.137	prrected by sec *.3DD	condary alignme : 1.34	ent, the specti	rometer will be at	20.001 deថ	jrees.
Superharps:			1			
Fiducial	dX (mm)	dY (mm)				
SH1H01A	0.28	0.06				
SH1H01B	0.32	0.05				
SH1H01C	0.36	0.00				

SH1H01B	0.32	0.05
SH1H01C	0.36	0.09
SH1H02A	-0.30	-0.06
SH1H02B	-0.25	-0.09
SH1H02C	-0.26	-0.03

Cavity BPM's:

Fiducial	dX (mm)	dY (mm)			
BCM1H1B	0.31	-0.23			
BCM1H1C	0.38	-0.11			
BCM1H2D	0.10	-0.24			
BCM1H2A	-0.39	-0.26			

Calorimeter:

Component	dZ (mm)	dX (mm)	dY (mm)	Yaw (deg)	Pitch(deg)	Roll (deg)
IFY1H04	-0.38	-0.06	-0.14	142.511	-0.002	-0.049