

Mechanical design

Met with A. Gavalya/S. Esp about JLab ongoing work:

- ▶ Still waiting for 2-D drawing of the black box from Clermont-Fd (+ CH-shielding and blue light set)
- ▶ Discussion about how to hold W-shielding in place
- ▶ Discussion about the height of the calorimeter stand wrt to the beamline and possible interferences
- ▶ Scattering chamber “under control” (will be welded at JLab)

DAQ

- ▶ CODA 2.5 (was) working in new Linux in adaqh1
- ▶ Problems to correctly initialize/read ARS boards
- ▶ Trying to understand Magali's documentation

Calorimeter assembly

- ▶ Calorimeter stand to be delivered today
- ▶ Old blocks dismounted and cleaned, half-way wrapped in tyvek
- ▶ Missing some plastic pieces to assemble the blocks into the brass holder (should arrive today or tomorrow)
- ▶ New blocks (201-300) already wrapped in tyvek

Calorimeter assembly

PHASE 1

Insérer le cristal entre les cliquets
Insert the crystal

PHASE 2

Insérer la pièce en epoxy
Insert the epoxy piece

PHASE 3

mettre les quatre vis 4-40 UNC et bloquer le cristal
Screw the four 4-40 UNC screws

PHASE 4

mettre la graisse optique
put optic grease

PHASE 5

Insérer l'ensemble PMT avec le connecteur parallèle aux cliquets
Insert the PMT, set the connector in parallel with brass foil

Jeu 0.5 mm (dévisser un peu les vis plastiques)
gap 0.5 mm (unscrew slightly plastic screws)

PHASE 6

serrer les deux vis 0-80 UNF puis mettre un jeu minime 0.2 les vis plastiques
Screw the two 0-80 UNF and adjust the plastic screw with a small gap 0.2 white PCB

PHASE 7

Vérifier la répartition de la graisse optique sur la fenêtre du PMT
check optic grease distribution on the PMT window

PHASE 8

ensemble prêt à emballer avec le "TYVEK"
ready to put "TYVEK"

11	4	vis 4-40 UNC 3/16			
10	2	vis 0-80 UNF 1/4			
09	2	vis Cs M2x6	plastic M2x6 slotted cheese head screw		
08	1	PMT		HAMAMATSU	
07	1	Bride isolante	DVCS2_CALD-D107C		
06	1

A	G ReInmouth	09/04/2016
Ind.	validé par	Date	Pour assemblage	
Commentaires				
LPC	LABORATOIRE DE PHYSIQUE CORPUSCULAIRE			
	IN2P3/CNRS - Université Blaise Pascal			
	63177 Aubière Cedex			Fax : 04 70 80 51 48 http://lpcwww.in2p3.fr

Plan for the week

- ▶ Finish tyvek wrapping
- ▶ Mount brass holders (+PMT?)
- ▶ DAQ/Offline software development