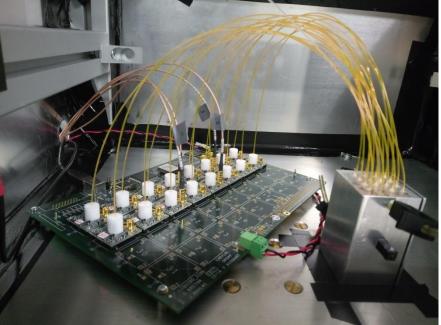
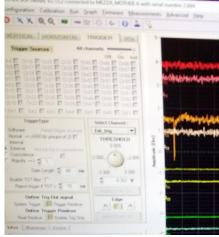
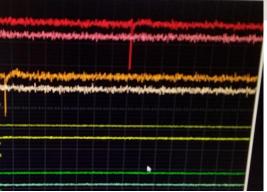
LPC Grainita test bench status → January 9th 2024



Fibers connect to preamp Preamp connect to wave catcher Monday January 5th 2024

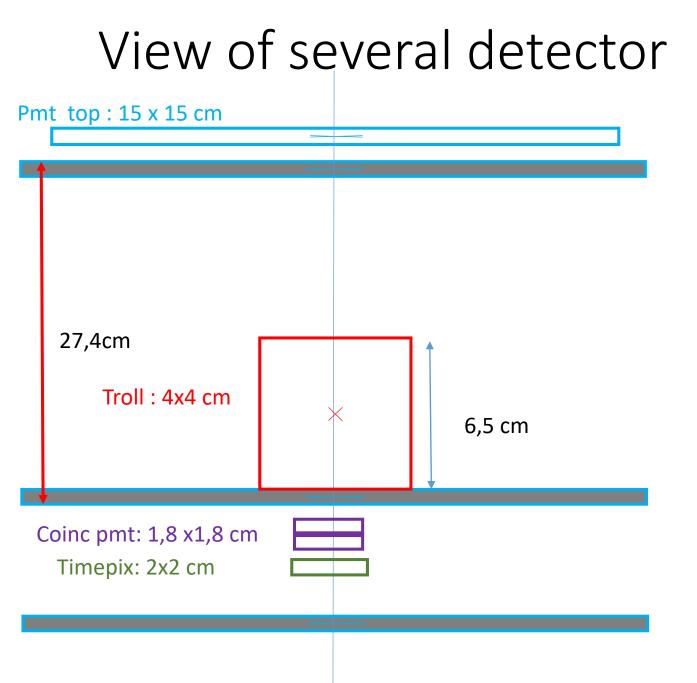
First photon view by the acquisition

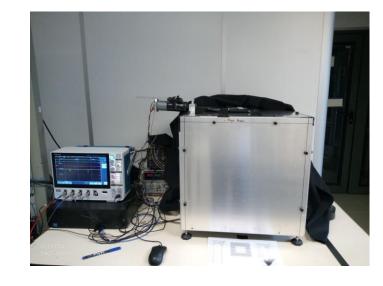






Test- bench close and power on the acquisition in led mode





• We also adding a pmt with scintillator on the top of the structure

Tests done

- We connect the 4 central fiber on wavecatcher synchronize with the external coincidence between PMT*Bot1* and PMT*bot2*.
- We make some acquisition with :
 - ASM : timestamps and amplitude of the 2 PMTbot
 - Wavecatcher: timestamps and counters of the 4 central fibers
 - Tmipix : timstamps and data ..
 - → Correlate the several information : see Hervé talk
 - ➔ In parallel : study the shape of the sipm output with ad without the amplifier and connect it to ASM board .
 - → We wait the mcx to Lemo cable in few day

Few result on my side

		-10	
file pmt			
test_6_2_2024_15_7_50_test			
file wavecatcher			
tableau pour alignement plot trigger time 2 det	ecteurs plot trigger time 2 detecteurs 2		
			-
temps test en s			
82942			
threshold asm	triggerpmt1&2	trigger pmt1 et 2 cps/mn	-
	6118	4,42574	
() () () () () () () () () () () () () (trigger pmt3 triggercoinc pmt 3& troll		-
	752 21	trigger pmt3 cps/mn trigger pmt3& troll cps/mn 3	
threshold wavecatcher	132	0,543995 0,0151913	
200	trigger troll	trianatall and (and	
	181	triggertroll cps/mn	
		0,130935	-
		trigger pmt1 et 2 cps/h	
		32,6397	
		100,000	-
		trigger pmt3 cps/h trigger pmt3& troll cps/h	
		265,545 0,91148	
		0,91146	
		triggertroll cps/h	
		7,85609	-