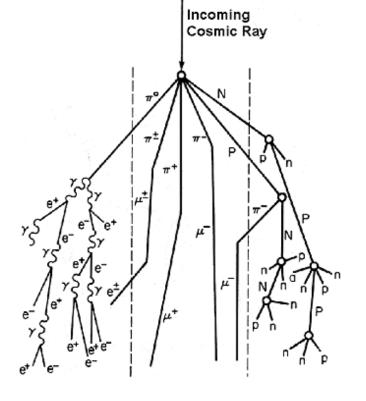
REU final presentation

Josh, Nikki, and Garrett





Р	Proton	e	Electron
п	Neutron	μ	Muon
π	Pion	γ	Photon

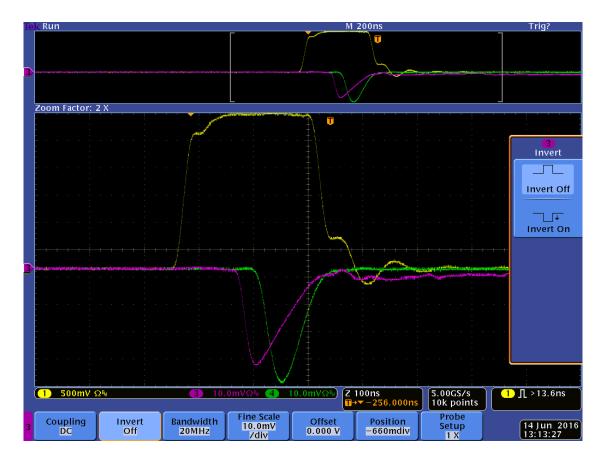


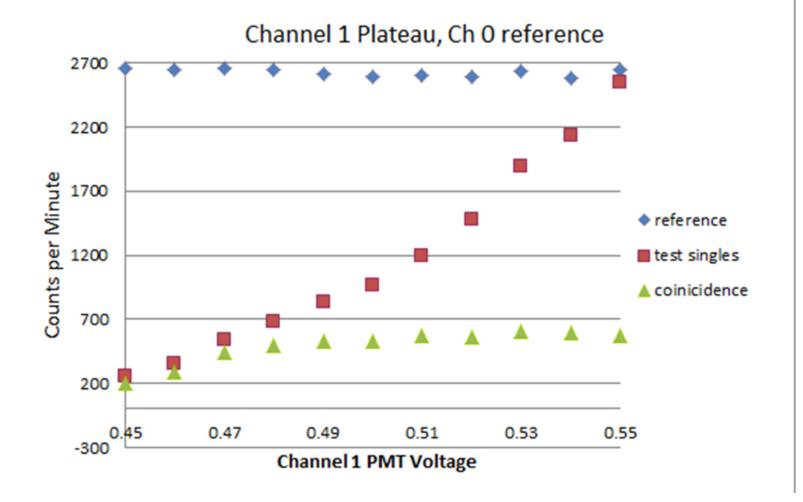


Pmt Testing



Signal



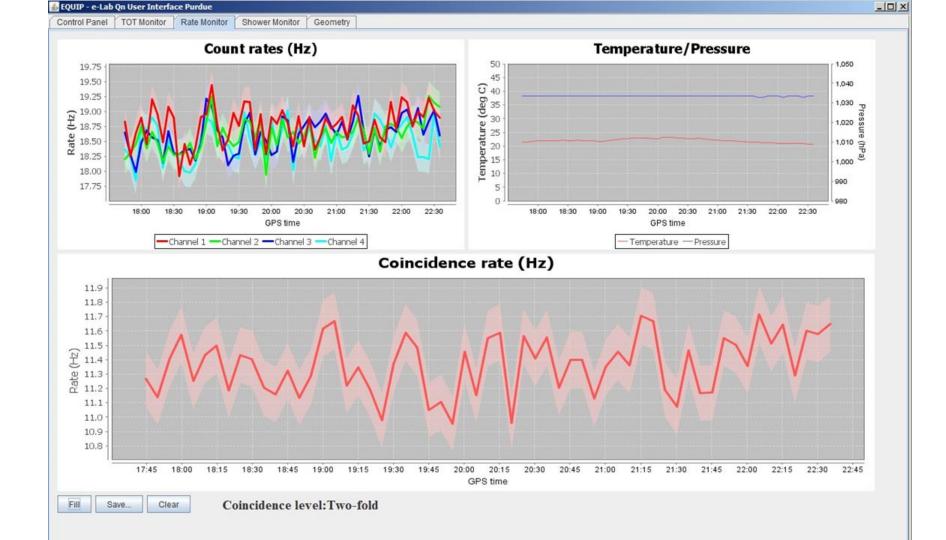


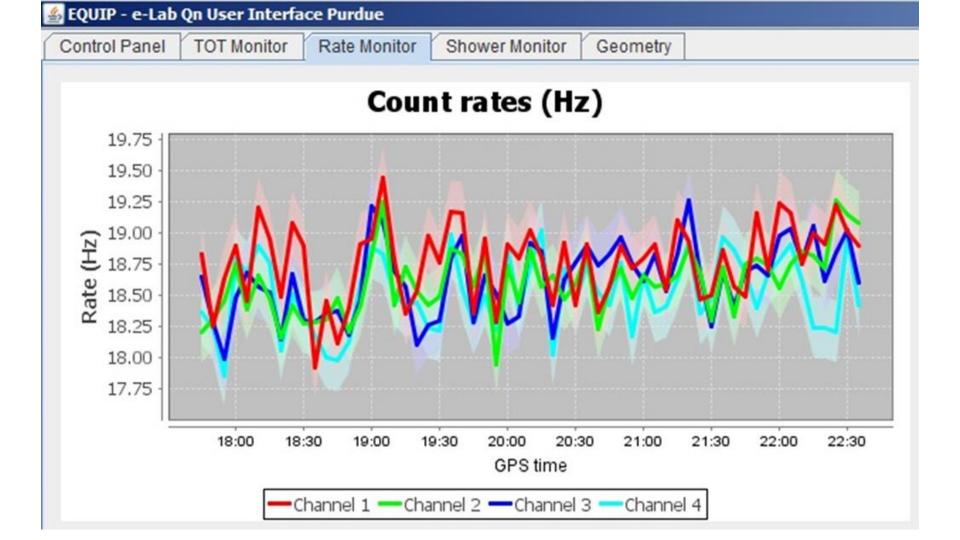
Control Panel	TOT Monitor	Rate Monitor	Shower Monito	Geometry			
Log file:	data/EQUIP_10AUG2016_133416.bt Choose File						o Filo
Serial port	COM24		-			Choos	erne
	001124						
S/N:	6661 Up	odate Res	et scalers(RB)	Reset boar	d(RE)	GPS(C)G)
Help: Page 1(H	(1) Page 2	(H2) Baror	meter(HB) S	tatus(HS)			
Trigger(H	T) Setup(V1) Voltage	s(V2) GPS	Lock(V3)			
GPS status:	(Austial) Sa	ts used: 4	T= 20.7	den C	P-	1033,7052	
	45.398283 N		ude: 073:45.400	1.000		1033.7052	
Altitude: 100.							
Politude. 100.	/49m	Time.	10/08/16 17:37:5	3.000			
Scalers(DS)	5	682 57	39 559	3 553	9	3503	
Control regi	sters(DC):	1F 7	0 0A	00			
Timing regis	ters(DT):	00 80	84	00			
Trigger							
	2 🗹 Ch 3 🕅	Ch. 4 Coincid	ence level: 2				
Gate width:	100 ns	Pipeline del	ay: 40	ns			
	1			mV			
Threshold(T	L): 30.0	30.0	30.0 30.0	IIIV			
Status output:	De la compañía de la comp		time inte	rval: 5	min		
olaida odiput	Reset scalers	(ST 3 X)	time inte				
Data output:	Enable(CE)	Disable(CI					
	Enable(CE)	Disable(CL	5)				

1560

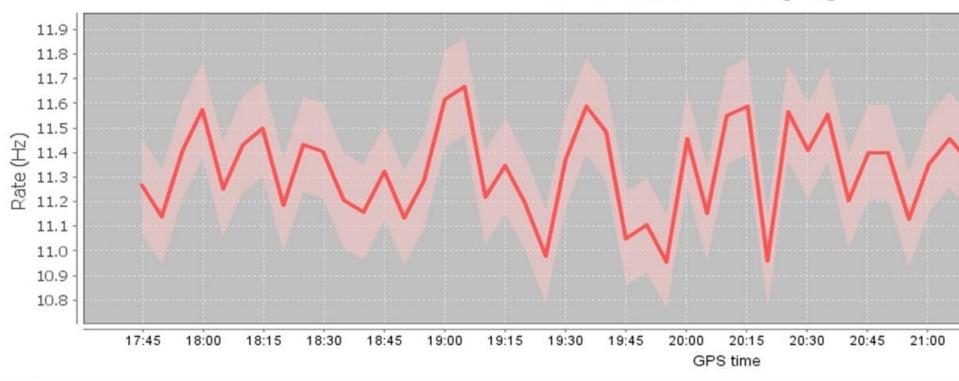
4

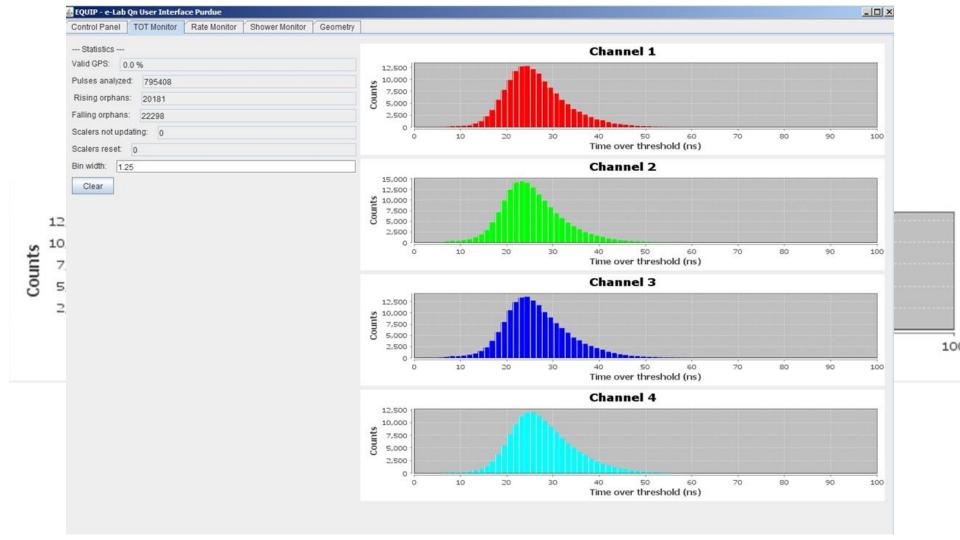
_ | | ×

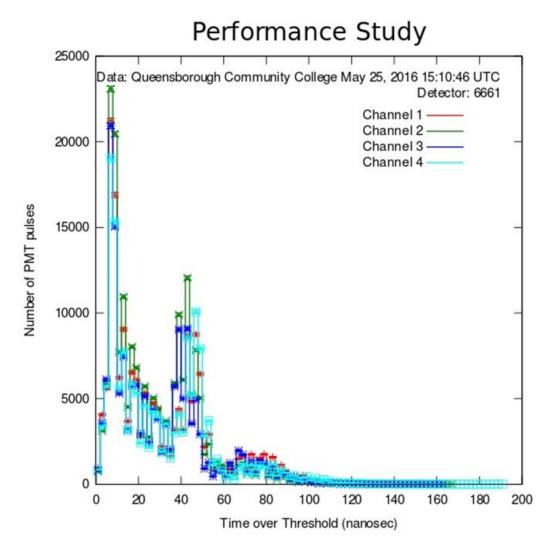




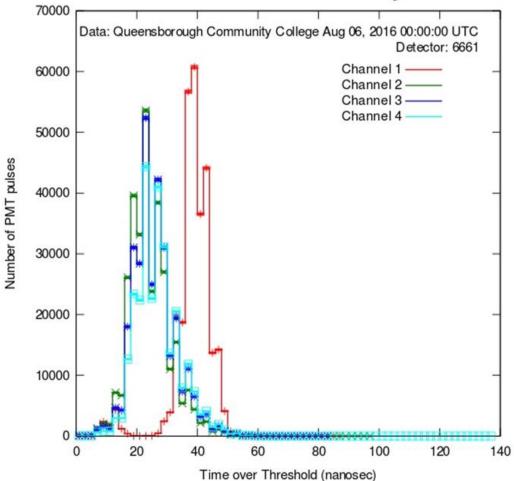
Coincidence rate (Hz)



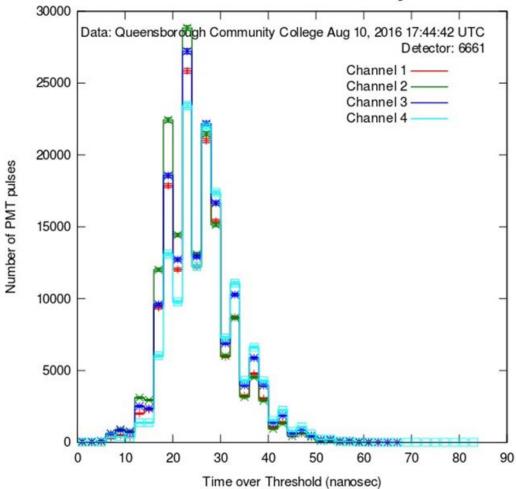




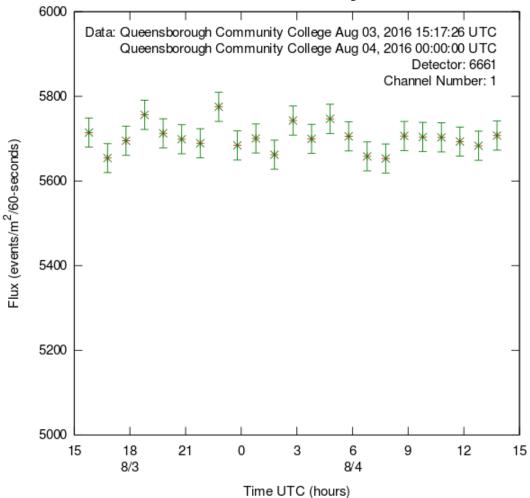
Performance Study



Performance Study



Flux Study



Shower Study

