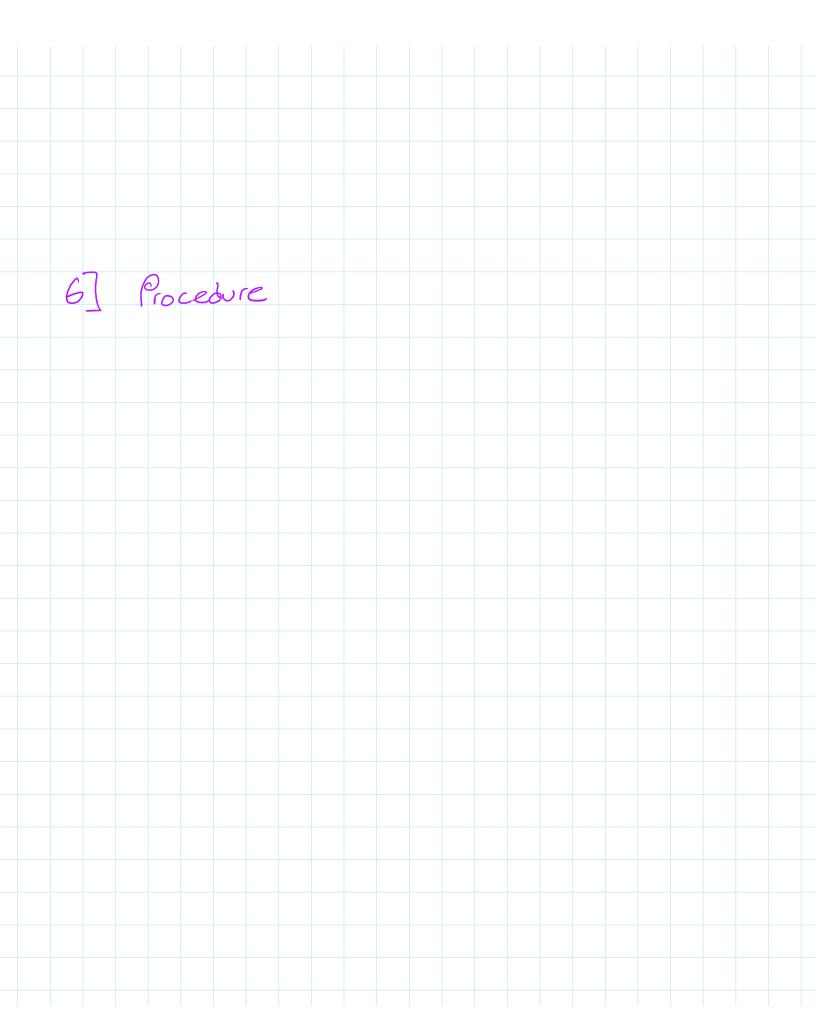
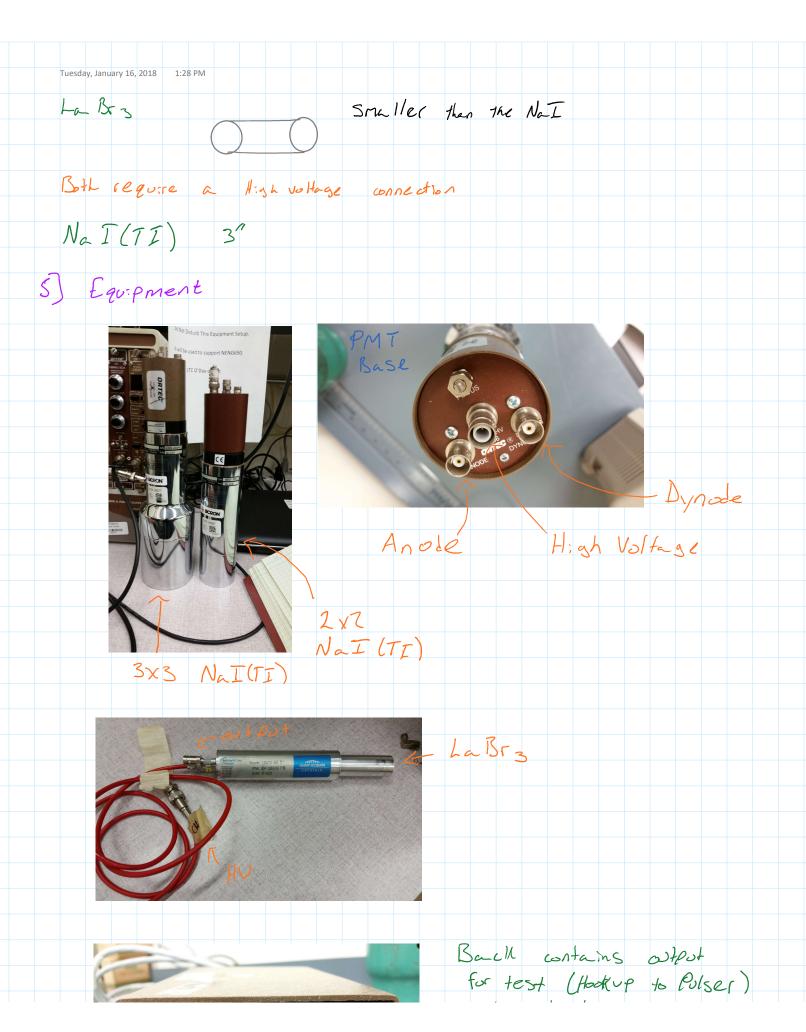
Na_I Thursday, January 11,	Gamma, 2018 9:16 AM	- Ray	Spectro	scopy	
Station	2	Part ne	ec & Nic	K Quar	temont
Insert	1-5				
4) Pre	Lab	Prep			
I	T = Iso	Gamme	Transiti	- Intelnal	(poversion
Phish	s peak = ;				
	Review			fest	
	22 Na BT				22 Na gt
	β'		215,54		/>
	7	12	174	KeV	22 Ne
60				62	
	B	317.		6º Co	B
	8, V2	1173, 1			7
					12

		1 2
		602 AL
		60 N: 28
1090		
	E 100%	109Cs
	V 100% 88.	0336 KeV E
	X-12y 27,163	
	21,99	
	2.634.	
		47 A 9
	24,9118	
127 /		130
137 CS	B- 513.97	94% 137Cs
	1175.63	5%
	V 283.5	~0%
	661,659	99,36%
	X 32,1939	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
6)	Gamma Spectra de	tectable 137 Ba
	Na I (TI) Y	and X rays SC Da
	La Br3	





MODEL 113 PREAMPLIFIER INPUT INPUT PF	For test (Hookup to Pulser) and output -> to Oscope 7 to Linear Amo
Sources Used	
Activity Time Rec	Source Nom Uncertainty
57 Co	
60 Co	
109 Cb	
137 Cs 10.02 MCi 1Avg 98 (370,7 KBq 12 PST	6199-442 3%
6. Procedure	

a) Set up 3x3" NaI CTI)
1. Set up



MCB Howhup to Laptop



Lie down to Prevent

Folling.

Detection From

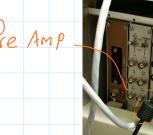
Other Sile

Prevent

Prevent

Prevent

Prevent





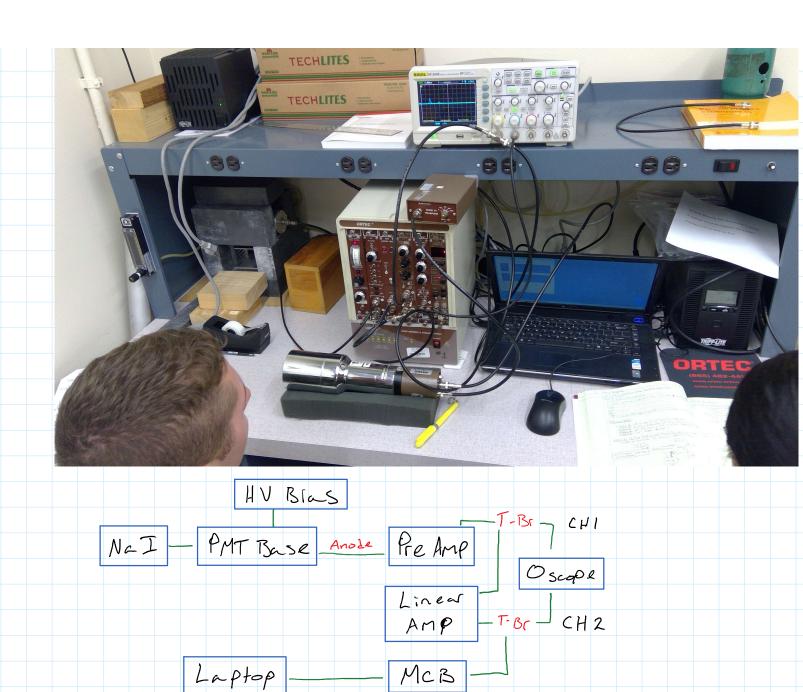


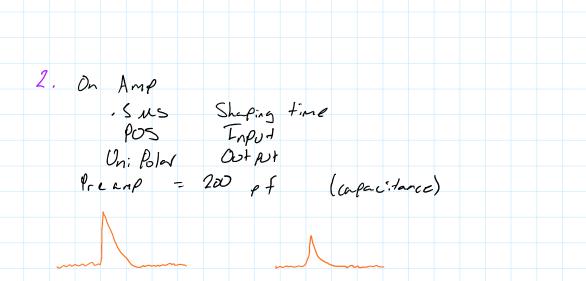
ect terminator

Note for lab

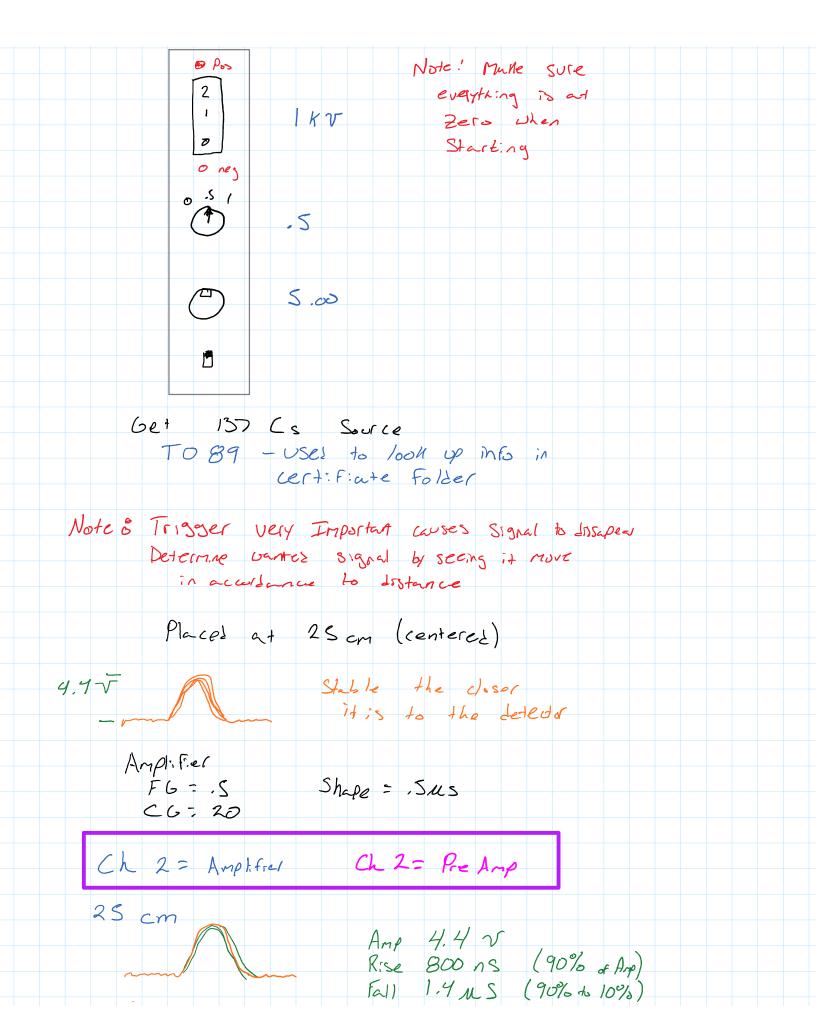
100 R = 95-R

Learning Daly





increase Capacitance
93 12 Termont or aprole
Run Gamme Vission
Set conversion Gain to 102H (MCB = 1024 channels/bins)
Acquire
L) MCB Properties L) Conversion Gain
to asias select
Note: 10% change in HV bias can charge
the signal gain by a Factor of 2
3. Suapped O scope to read amplifier out put
Vmax = 1,48 ~
Pulsar Ampt. Fier
3.34 $FG = .68$ $\times 1$ attenuate $CG = 20$
Pos Output Shape = . SMS
skape skes
\mathcal{A}
4. Disconnet Russer from Pie Amp
Set HV Bias to +2000 v



2												
	5 cm			F	Amp	1~						
	Ignoria. Uses	s:/	ar:ly-	r.	esses neck	up For a	Ano	ols free	Signa	<i>د</i> اج		