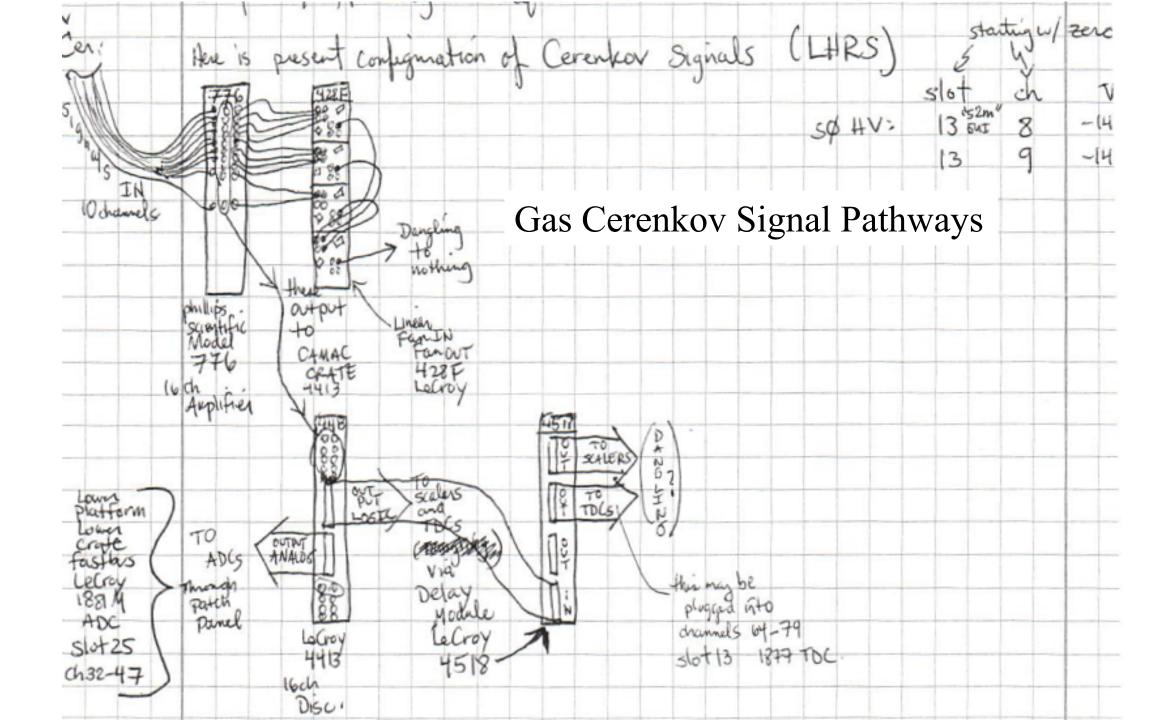
## HRS Counting DAQs for PREX-II/CREX: Slides to start a discussion

Dustin McNulty

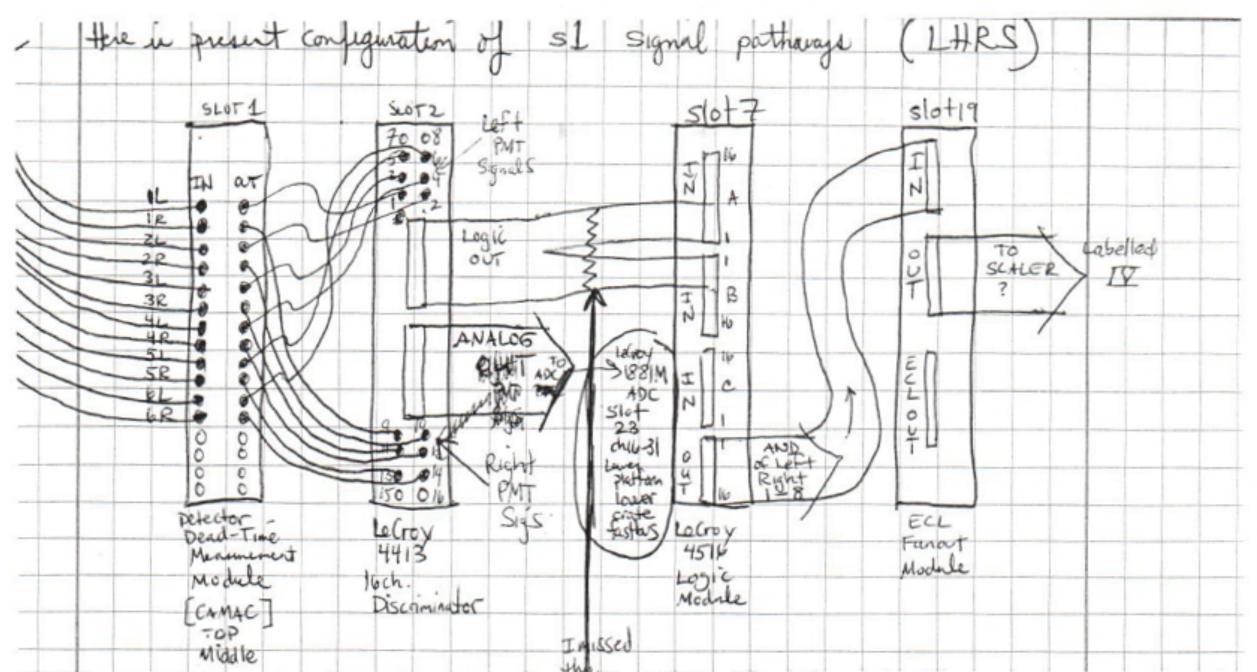
PREX DAQ Meeting: 8/31/2018

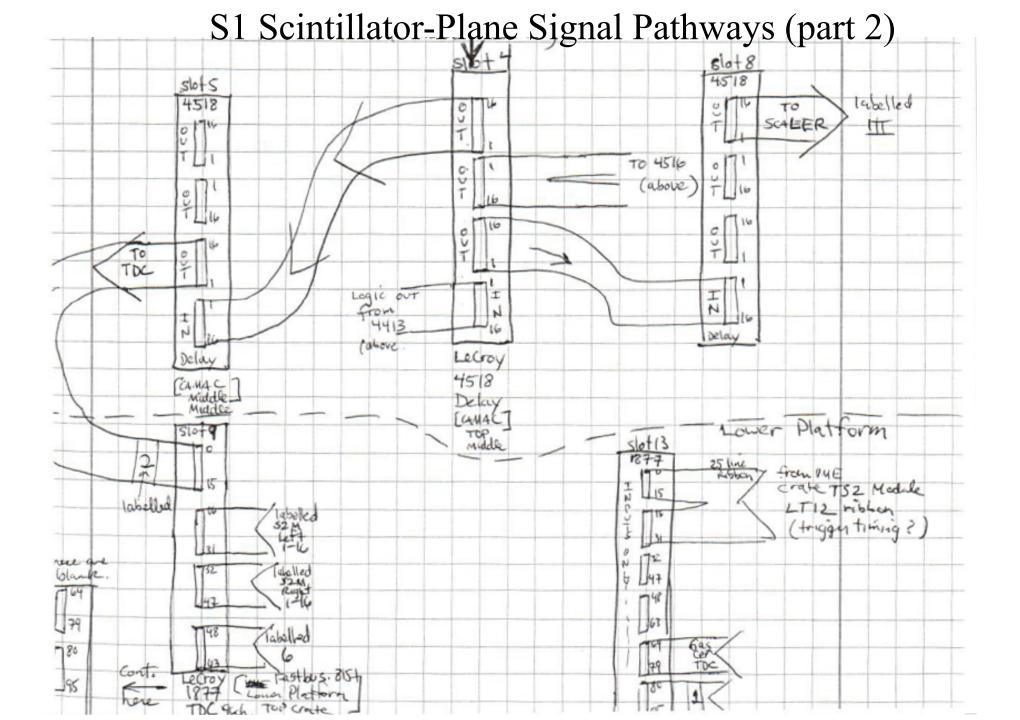
What we did during PREX-I: Scanned logbook pages...

Defimi	tions:			try to make		
T1:	SØ (Bogdan's SQ	scint.) [s\$	-0R- A	scintillator	like 53 b	elow
+2:	Prex Det Upstean	[PD4]				
	Prex Det Downstree	Real Control of Contro				
T5:	Prex A_T Det s 3 (Bagdans Saint)	LS3				
T6:	Cosmic Trigger, pulser (2KHZ?)	(hard cosmic	s with Le	ad between	scints ):	: 114
T7:	pulser (2KHZ?)	- Randon Isi	trec?		)	
	Clock					
	use gas cerenkov wthways; per Bogd					



S1 Scintillator-Plane Signal Pathways (part 1)





## DAQ needs not presently available in HRS:

- GEM/Quartz DAQ: (note that we will need CODA 2.6.2)
  - Two VME 64x crates with Linux ROCs (one for each arm) and at least 4 available slots in each crate to accommodate a TI, 2 MPDs, and QDC
  - ISU and SBU each have a CAEN V965 16ch QDC that we can bring to JLab
  - SBU has 2 and ISU has 4 MPDs that we can bring to Jlab
  - Readout APV cards, backplanes and cables will be provided by ISU and SBU
- Can we use existing signal pathways/modules for our trigger setups? Do we need any additional modules?
- What about UVA/SBS GEM DAQ? I estimate they will need 5 6 MPDs per arm; Will they use same crate as small GEMs?