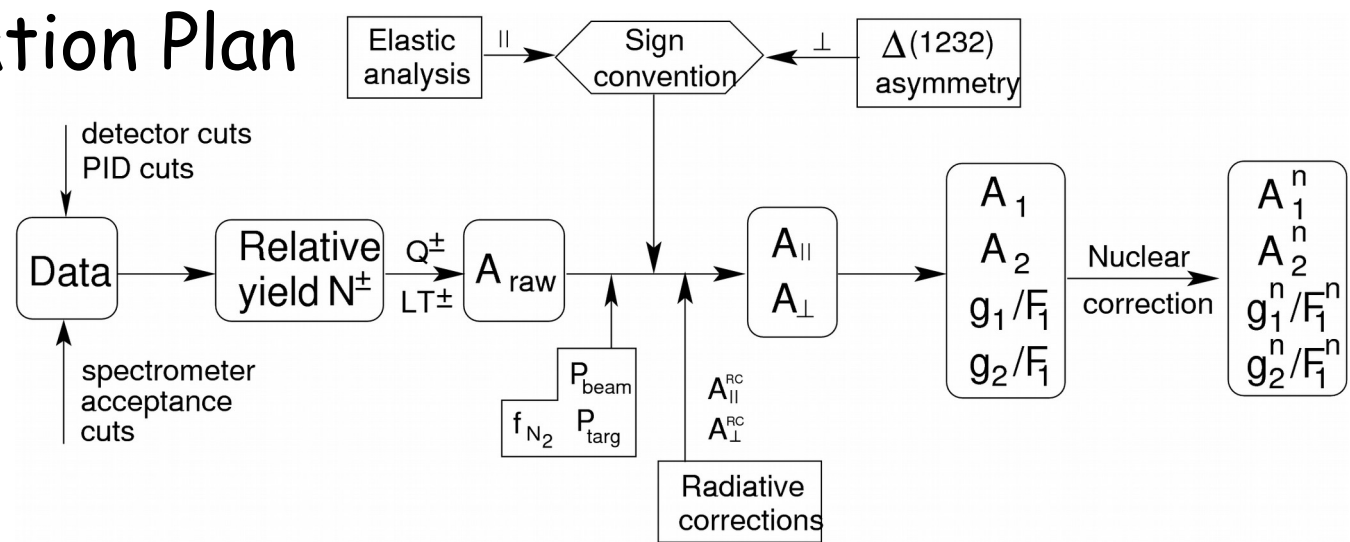


Analysis and Publication Plan

- online scripts for PID, counting electrons and forming asymmetry
- Preliminary asymmetries expected within 1 month from end of run;



period	student #1	student #2	student #3
months 1-2	making good prod. run list	making good prod. run list	detector calib., fiducial cuts and efficiencies
months 3-4	optics calibration	detector PID cuts and efficiencies	target polarimetry analysis
by month 6	optics calibration / simulation	elastic and Delta analysis	target polarimetry analysis
by month 12	dilution and density/ relative cross sections	forming asymmetries - data set 1/2	forming asymmetries - data set 2/2
by month 18	radiative corrections	nuclear correction + finalizing systematics	nuclear correction + finalizing systematics

- draft publication (short) within 18 months of end of run → another 12 months to write the long archival paper

A₁ⁿ / d₂ⁿ Timeline Overview

A1n/d2n Timeline

month	year	Installation	Beamline			Target cell production	JLab Target Lab	UVa Target Lab	W&M Target Lab	
4	2018	install cables, optical fiber, complete platform fabrication				5 cells order placed	(1) Making things to work for Hall C; (2) polarimetry; (3) density measurement; (4) full characterization of new cells		(1) Making reference cell system; (2) EPR k0 study; [(3) testing new cells if needed]	
5										
6			Moller prep (DG)	Beamline mod. for target	fast circular raster (MJ+MB)					
7										
8										
9										
10			Moller test-out (DG)			order 5 more cells				
11										
12										
1	2019									
2										
3										
4		prepare to install								
5										
6							move to Hall			
7		Target installation								
8										
9										
10		Running: A1n 30 deg						Testing new cells if needed	(testing new cells if needed)	
11										
12										
1	2020	Target rotation								
2		Running: d2n + A1n 12.5 deg								
3										
4										

Preparation, Running, and Analysis Manpower Overview

- JLab polarized ^3He target lab:
 - ▶ currently "run" by Kai Jin and Nguyen Ton (UVa/Zheng);
 - ▶ Mingyu Chen (UVa), Junhao Chen (W&M), and possibly more students will be on-site and trained as target experts starting summer 2018.
- 6-8 PhD students:
 - ✓ A1n: Mingyu Chen (UVa/Zheng), Melanie Rehfuss (Temple U/Meziani), Michael Berkowitz (Columbia/Hughes); Target: Chris Jantzi (UVa/Cates)
 - ✓ d2n: Junhao Chen (W&M/Averett), Shuo Jia (Temple U/Meziani), 1 TBD (Kentucky/Korsch)
 - ✓ 1 TBD (China)
- postdoc: Temple, UVa, W&M, JLab