

On the Path to Publications

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The Plan

- 1 Consult with your advisor
- 2 Perform a study (calibration/cuts/systematics/analysis/mc) on pass1 data
- 3 Write up results, post to H3 Elog
- 4 Present write up at analysis/run meeting
- 5 Repeat
- ...
- 6 Publishable Results!

Full Time Tritium Students

- MARATHON

- ▶ Jason Bane (UT)
- ▶ Tyler Hague (Kent)
- ▶ Tyler Kutz (Stony Brook)
- ▶ Hanjie Liu (Columbia)
- ▶ Micheal Nycz (Kent)
- ▶ Tong Su (Kent)

- $x > 1$

- ▶ Shujie Li (UNH)
- ▶ Nathaly Santiesteban (UNH)

- $(e, e'p)$

- ▶ Jonathan Castellanos (FIU)
- ▶ Rey Torres (MIT)

- $(e, e'K)$

- ▶ Bishnu Pandey (Hampton)
- ▶

Part Time Tritium Students

(Tritium Experts who are graduating with other data)

- Sheren Alsalmi (Kent)
- Scott Barcus (W&M)
- Dien Nguyen (UVA)

Studies on Cuts

- BeamUp cut selection: statistics vs systematic tradeoff
- All “good electron” cuts: effect of varying each cut
- PID

Systematic Studies

- Absolute BCM uncertainty
- 'Boiling Effect' correction uncertainty
- Target Window subtraction: various widths
- Optics
- Cosmics contamination in 'good electrons'

Monte Carlo

- 1-2 Students should prepare to run MC for marathon kinematics
- If interested, talk with your advisor and let me know

Rootfile Storage

- /cache/
 - ▶ /cache/halla/triton/prod/pass1/ ('skinny' rootfiles)
 - ▶ /cache/halla/triton/prod/pass1_calibration/ ('calibration' rootfiles)
 - ▶ If missing from cache, use "jcache get" to get from /mss/halla/triton/prod/
- /volatile/
 - ▶ /volatile/halla/triton/Marathon_Rootfiles/pass1/ ('skinny' rootfiles)
 - ▶ /volatile/halla/triton/Marathon_Rootfiles/pass1_calibration/ ('calibration' rootfiles)
- /chafs1/
 - ▶ /chafs1/work1/tritium/pass1/ ('skinny' rootfiles only)

In general, you should not need to generate many additional rootfiles.
If something is wrong or missing in pass1, let me know!