

QuarkNet



# Introduction to eLab

Nathan Unterman

University of New Mexico

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# Upload

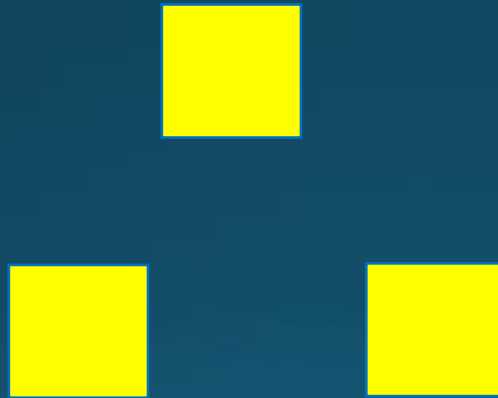
- Upload
  - If you are uploading a data file. Select detector, file, and place any comments.
- Geometry
  - This is where you can create, update, and view YOUR geometry

# Data -- Flux

- If your birthDAY is an **odd** number:
  - School    New Trier High School
  - Select 8-14 June 2022    DAQ 6906
  - Run flux study, channel 2    Make bin width 30 minutes. Rerun, but start graph at a flux (y-axis) of 2500.
  - Rerun, but for a bin size of 10 minutes.
- If your birthDAY is an **even** number:
  - School    New Trier High School
  - Select the first 7 (seven) days of May, DAQ 6906
  - Run flux study, channel 3 with a bin width of 60 minutes. Comment on 3.May.2022
  - Rerun, but start graph at a flux (y-axis) of 8000.

# Triangle Shower

- What do we want to know?



# Δ Shower Experiment Design

- How will we analyze the data?
- What do we need to look for?

# Δ Shower DAQ 6690 2015

- A. 6.Sep (1)
- B. 4.Nov (2)
- C. 4.Nov (3)
- D. 4.Nov (4)
- E. 4.Nov (5) + 5.Nov (1)
- F. 5.Nov (2)
- G. 5.Nov (3)
- H. 6.Nov (3)

# Report Out

- Graph

# TOF and Angle Acceptance

- Open QNet files for Clean Analysis
- Select TOF and Angle Acceptance 6845 tab
- Odd Line Numbers: find speed of muon
- Even Line Numbers: find relationship with Angle Acceptance



# Report Out

- Speed Muon
- Events versus Angle of Acceptance

# Questions?



# Signin

- Teacher
  - Top: **Registration**
    - **Update your research groups >Show Group Info**
      - Upload: YES In survey: NO
      - You can change password here
      - **Update Group Information**
    - Register student research groups
      - Placeholder name like Place Holder >Make New Group
        - Put in group name, like GoSchoolMascot
        - Check upload box Uncheck pencil box > I'm Done
    - Update Detector ID
      - Show Group Info >enter daq number
- Log out

# Signin Student Username/Password

- Landing Page
  - Bottom: Milestones
  - Top: Tab navigation
    - Explore Library, Site Map, and Assessment on your own

# Contact

- Nathan Unterman
- [nunterman@gmail.com](mailto:nunterman@gmail.com)
- 773 758-0464

