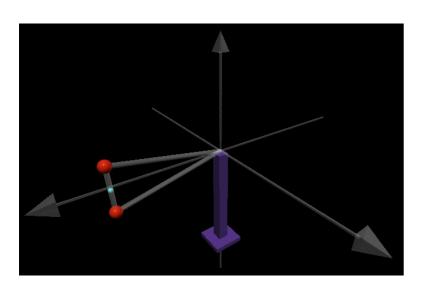


QuarkNet 2023 - Vanderbilt University 19-23 June 2023











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In-person meeting, Vanderbilt Physics Stevenson Center SC6322. Will try to run a Zoom for the meeting also, but likely up and down, here.

Monday, introductions, news, and talks, Juneteenth!

Tuesday, making "YouTube-style videos"

Wednesday, mo' making "YouTube-style videos"

Thursday, making "YouTube-style videos," share results

Friday, CRMDs, must do items and survey





Administration

- Check-ins around the room.
- Sign the attendance sheet.
- Our Admins will send links to set new folks up as "vendors" for Vanderbilt, all legit and for paying the stipends.
- We have three working sets of cosmic ray muon detectors (CRMDs) and have laptops for datataking and control.
- We use the "standard" Java program *Equip* to control the boards/detectors. Though simpler programs are possible.
- Registration and Survey for QuarkNet Central, links on the must-do-items page. Time for Survey Friday.
- This years and prevous talks and data sets at GitHub Vanderbilt-QuarkNet Workshops





Lunch Venues Near Campus

21st Ave Side (the East side):

- Chipotle Mexican Grill
- Subway Sandwich
- Panera Bread
- San Antonio Taco Co.
- Taco Mama-Hillsboro Village
- Double Dogs
- Shokku Ramen
- Hopdoddy

West End Side (the West side):

- Jason's Deli
- Jersey Mike's Subs
- Oscar's Taco
- Martin's Bar-B-Que
- Wendy's
- Newk's Eatery
- Bombay Palace
- Taziki's Mediterranean Cafe

And Many More...





Monday Schedule

News and Talks

8:30-9:00am Bill Gabella, administration and news

9:00-10:00am Dale Julson, High Energy Physics and CMS

10:00-10:10am Break

10:10-11:10am Bill Gabella, LIGO and Gravitational Waves

11:10-12:10am Krystal Ruiz-Rocha, LISA and Gravitational Waves

12:10-1:30pm Lunch

1:30-2:30pm Charreau Bell, ChatGPT

2:40-3:40pm Sara Frederick, Quasars

Think about the use of the weeks material for use in the classroom, see the Guide to Teacher Implementation Plan Development. We will discuss and brainstorm these Friday.





Tuesday Schedule

YouTube Style videos

Morning Show examples, filming, analysis, and animation

Bill's Google Doc notes, Video Analysis (Tracker), Animation, and Editing

12:00-1:15pm Lunch

Afternoon Plan and shoot some video.





Wednesday Schedule

YouTube Style videos

Morning Discuss projects, and show draft results

12:00-1:15pm Lunch

Afternoon Project work





Thursday Schedule

YouTube Style videos

Morning Project work

12:00-1:15pm Lunch

Afternoon Project work





Friday Schedule

Last Day, implementation plans, survey, miscellaneous

Morning Discuss the CRMDs, start a run, show/discuss video projects, use in the classroom

12:00-1:30pm Lunch

Afternoon Must do items, survey, CRMDs, and all other business





Useful Links

- CRMD User Manual https://github.com/gabella/VandyQuarkNet/tree/master/manuals
- Vanderbilt QuarkNet "Drupal" group page: http://quarknet.i2u2.org/group/vanderbilt-university-quarknet-center
- Vanderbilt QuarkNet Site, GitHub: https://github.com/gabella/VandyQuarkNet
- Vanderbilt QuarkNet Site, older web pages: http://www.hep.vanderbilt.edu/~gabellwe/qnweb/
- Vanderbilt QuarkNet Workshop 2022 page: https://github.com/gabella/VandyQuarkNet/tree/master/quarknet2022
- QuarkNet Cosmic Ray eLab Teacher page: http://www.i2u2.org/elab/cosmic/teacher/
- QuarkNet CMS eLab page: http://www.i2u2.org/elab/cms/home/project.jsp