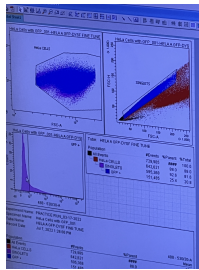
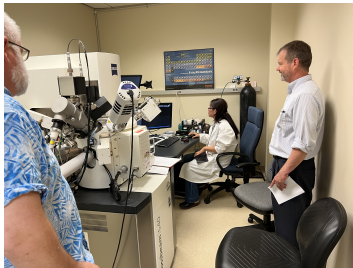


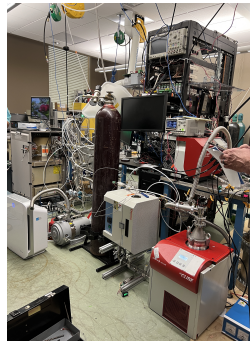
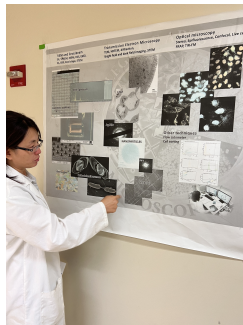
July 11-15, 2022



Participants spent the day learning about microscopy and how they are used through physics and all the sciences.



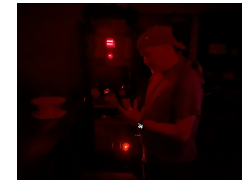
Connections were also made by learning how to utilize an electron microscope and the benefits of its use in astronomy and identifying meteor substance/make-up. Participants learned the CASM & CEES as well as the quantum optics lab.



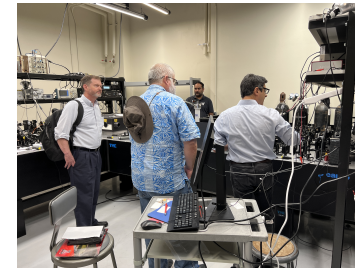
Day 2:
Participants worked on reassembly of the detector and working on re-establishing the software. The detector was assembled and placed in Frenship High School in Wolfforth, Texas. Mark from Fermi Lab was helpful in troubleshooting some issues.



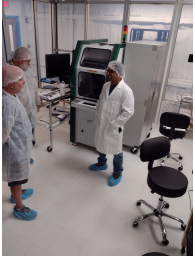
Day 3:
Participants participated in several hands-on activities at the "Applied



Physics Lab"
Satellite facility at Reese Technology Center. We worked a lot with the silicone wafers which will be placed in the detector at CERN.



Day 4:
Participants worked on Data Analysis Activities and looked at several of the labs on the e-lab site through Quarknet.



Day 5:

Participants worked with the Astronomy Professor from TTU to learn about astrophysics for $\frac{1}{2}$ day. We spent the evening at the TTU observatory observing distant galaxies and stars. Learned about scanning telescopes.

