Virginia QuarkNet Center 2020-2021 Activity Report

October 25, 2021

The Virginia QuarkNet Center currently has around 10 active high school teachers from Richmond and northern Virginia. Josh Erlich from William & Mary and Phil Rubin from George Mason University are the mentors. Several teachers share leadership roles, with Deborah Roudebush and Mike Fetsko sharing the bulk of the organizational responsibilities.

Masterclass 2021

William & Mary hosted a virtual CMS Masterclass on February 27, 2021. Breakout sessions with pairs of students worked relatively well for the data-analysis portion of the activity. Three former Godwin HS/current William & Mary students (Lauren Carver, Samantha Cohodas, and Morgan Logsdon) led the data analysis presentation and discussions on college research and careers.

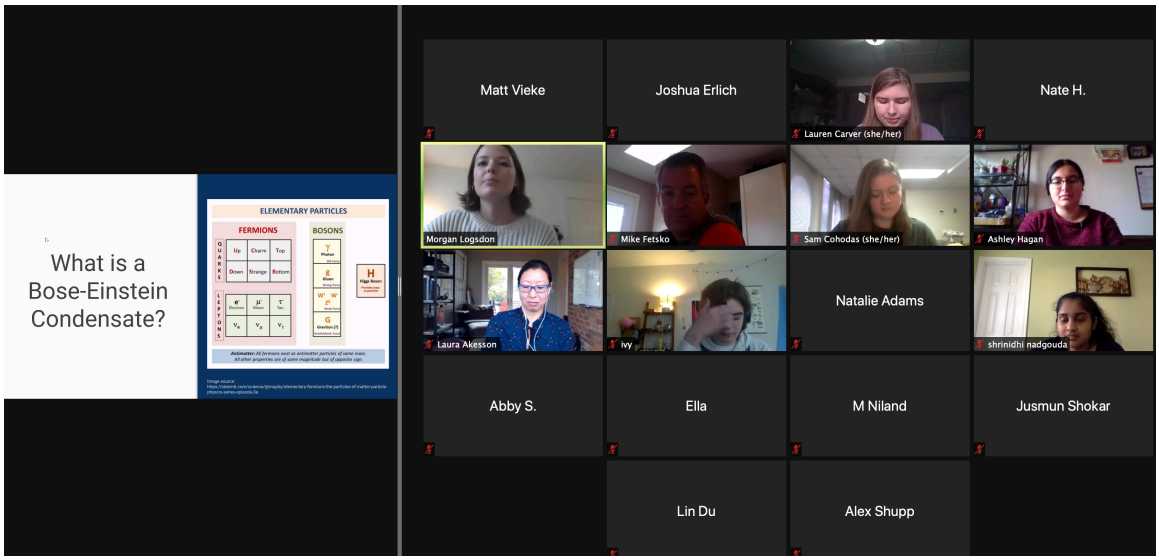
Workshops

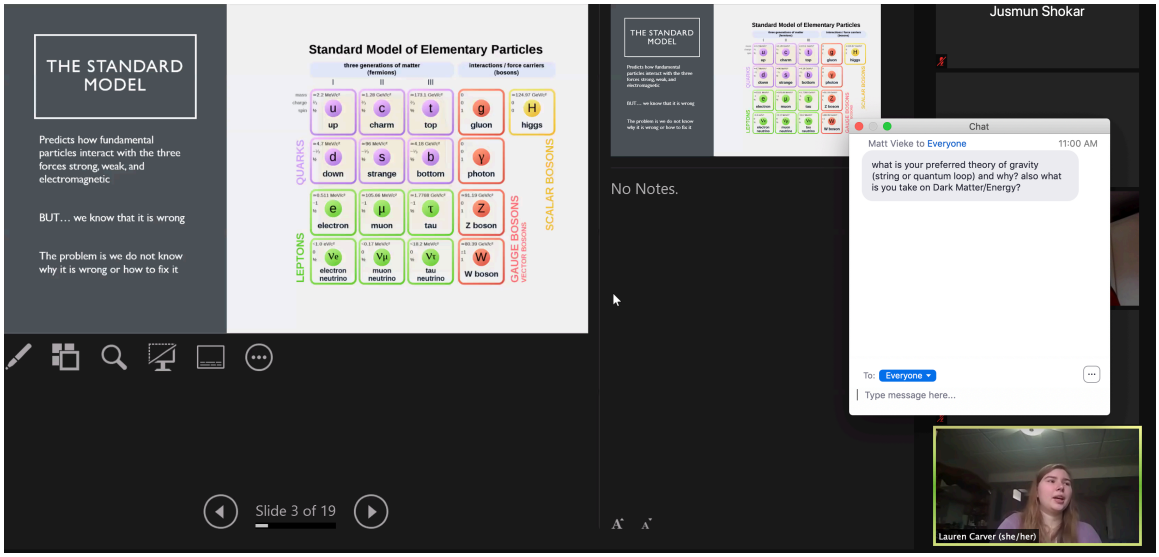
Over the past year, the Virginia Center hosted two virtual workshops: a half-day workshop on November 21, 2020; and a three-half-day workshop on August 2-4, 2021.

The virtual workshop in November featured a talk by mentor Josh Erlich, a “making tracks” and “particle transformation” activity, and discussion about QuarkNet Educational Discussions (QED).

During the summer 2021 workshop, two of the half-days were spent in a coding workshop led by Adam LaMee and Christine DiMenna. The final half-day included a TOTEM entanglement exercise with Shane Wood and the Kansas Center, a talk by Josh Erlich on the anomalous magnetic moment of the muon, and a particle transformation activity led by Deborah Roudebush and Ken Cecire.

Masterclass February 27, 2021





Workshop November 21, 2020

Summer Virtual Workshop, August 2-4, 2021