

The BNL - SB Quarknet Group held their annual workshop at Stony Brook University from June 26 - 29, 2023. This year's workshop included six teachers, four of whom had been in the program before. There were primarily female teachers from suburban Long Island schools. The one male participant was retired.

The focus of the workshop was neutrinos. Harry Stuckey, started with a historical perspective of particle physics from Rutherford through Fermi. Teachers were led by Susan Wetzler in an exploration of data activities such as "What Heisenberg Knew" and "Case of the Hidden Neutrino". Harry concluded his presentation by highlighting modern neutrino mysteries and recent experiments. Jeremy Wegner, from the Quarknet LHC group, gave a brief introduction to coding with Python followed by the NOVA masterclass. The group joined LIPTA, the Long Island Physics Teachers Association, for their annual BBQ. Kétévi Assamagan spoke about beyond Standard Model physics and Chang Kee Jung updated the group on the T2K experiment. Rich Lefferts provided a tour of the now disassembled tandem Van de Graaff accelerator. At the end of the workshop, teachers prepared and shared implementation plans.

