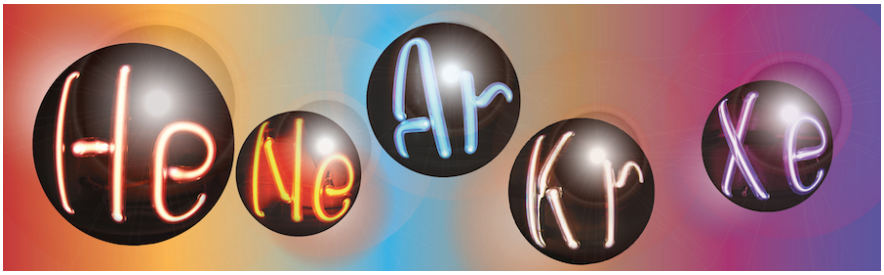

Contribution ID: **37** Type: **Presentation**

CCM Experiment

Friday, 23 September 2022 10:45 (15 minutes)

CCM is a 10 ton liquid argon scintillation detector located at Los Alamos National Lab. The prototype detector CCM120 was fabricated in 2017, which utilized 120 PMTs, and now the upgraded detector CCM200, with 200 PMTs, has collected data in the 2021 run cycle. The physics program of CCM comprises searches for new particles in the weak sector, including Dark Photons, Axion-like Particles (ALPs), and neutral heavy leptons in the keV to MeV mass range, extending the coverage of open parameter space for these searches at the order of magnitude level.

Primary author: NEWMARK, Darcy (Massachusetts Institute of Technology)

Presenter: NEWMARK, Darcy (Massachusetts Institute of Technology)

Session Classification: Applications

Track Classification: Applications (dark matter, neutrino, medical physics etc.)