Contribution ID: **42** Type: **not specified**

Studying hadrons with electron beams

Thursday 28 June 2018 12:20 (25 minutes)

High energy electron beams have enabled the study of the nucleus and nucleons with unprecedented statistical and systematic precision. This is achieved using continuous wave beam with high intensity and 90% polarization, while interacting through the well modeled electroweak interaction aids interpretation. This opens up a wide variety of physical studies including the longitudinal, transverse and 3D structure of hadrons, studies of the hadronic spectrum, searches for physics beyond the Standard Model and searches for dark sector particles. This talk will focus on nuclear physics using electron beams, presenting a basic introduction and highlighting a few of the more surprising of the rich and varied recent results that have emerged.

Presenter: DALTON, Mark (JLab)

Session Classification: Nuclear and Particle physics