



Contribution ID: 124

Type: **not specified**

## The Quest for the Origin of the Proton's Sea

*Sunday, 4 September 2016 11:10 (25 minutes)*

The proton is a composite particle in which the binding force is responsible for the majority of its mass. To understand this structure, the distributions and origins of the quark-antiquark pairs produced by the strong force must be measured. The SeaQuest collaboration is using the Drell-Yan process to elucidate antiquark distributions in the proton and to study the modification of these distributions when the proton is held within a nucleus. Preliminary results based on a fraction of the anticipated final data set will be presented.

**Primary author:** REIMER, Paul E (Argonne National Laboratory)

**Presenter:** REIMER, Paul E (Argonne National Laboratory)

**Session Classification:** Spin Physics (II)

**Track Classification:** Spin Physics