

Abstract Submitted
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Measuring the ratio of \bar{d}/\bar{u} in the proton as a function of x at SeaQuest BRYAN KERNS, University of Illinois Urbana-Champaign, SEAQUEST COLLABORATION — SeaQuest is a running fixed target experiment using Fermilab's 120 GeV Main Injector proton beam to study the structure of the proton. The comparison of the Drell-Yan cross section ratio for liquid hydrogen and liquid deuterium targets enables an extraction of the ratio of \bar{d}/\bar{u} at Bjorken x ranging from around 0.1 to 0.45, measuring this quantity at much higher x than previous experiments. SeaQuest has already taken some data in pursuit of this goal but the majority of the data taking lies ahead. A preliminary analysis of this data with the purpose of extracting \bar{d}/\bar{u} will be presented.

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