38th INTERNATIONAL CONFERENCE
ON HIGH ENERGY PHYSICS
AUGUST 3 - 10, 2016
CHICAGO

Contribution ID: **145** Type: **Poster**

The CAPTAIN Experiment

Monday, 8 August 2016 18:30 (2 hours)

The Cryogenic Apparatus for Precision Tests of Argon Interactions with Neutrinos (CAPTAIN) program is designed to make measurements of scientific importance to long-baseline neutrino physics and physics topics that will be explored by large underground detectors. The experiment employs two liquid Argon time projection chambers (LArTPCs), CAPTAIN and Mini-CAPTAIN. The CAPTAIN detector is a Liquid Argon Time Project Chamber (LArTPC) deployed in a portable and evacuable cryostat that can hold a total of 7700 liters of liquid argon. The Mini-CAPTAIN detector is a prototype of the CAPTAIN detector that contains 1700 liters of liquid argon. This talk will present the status of the CAPTAIN experiment.

Primary author: BIAN, Jianming (UC Irvine)

Presenter: BIAN, Jianming (UC Irvine)

Session Classification: Poster Session

Track Classification: Neutrino Physics