Contribution ID: **345** Type: **Poster**

Status of the KDAR Neutrino measurement with JSNS2.

The The J-PARC Sterile Neutrino Search at the J-PARC Spallation Neutron Source (JSNS2) experiment has the unique ability to precisely measure monoenergetic 236 MeV neutrinos from charged kaon decay-at-rest (KDAR). J-PARC's Material and Life Science Facility (MLF) 3 GeV primary proton beam incident on a mercury target generates the world's most intense source of KDAR which can be used to make neutrino cross-section measurements using known-energy neutrinos. In this poster, I will describe the analysis status for the KDAR neutrino measurement at JSNS2 using the first long-term physics run data set obtained during this year.

Working group

WG2

Author: JEON, Hyoungku (SungKyunKwan University)

Co-author: ROTT, Carsten (Sungkyunkwan University)

Presenter: JEON, Hyoungku (SungKyunKwan University)

Session Classification: Poster session NB: do not use Safari; use Firefox, Chrome or Edge