

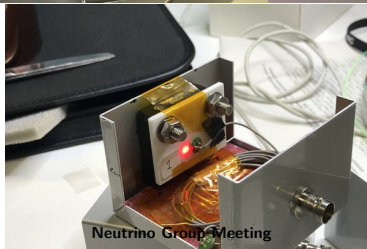
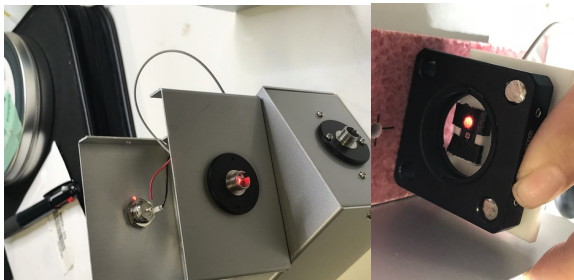
Working status (Only NuGroup-Related)

Son Cao

April 13, 2018

Hardware works

- ▶ Realignment fiber-IN hole with MPPC with laser light source



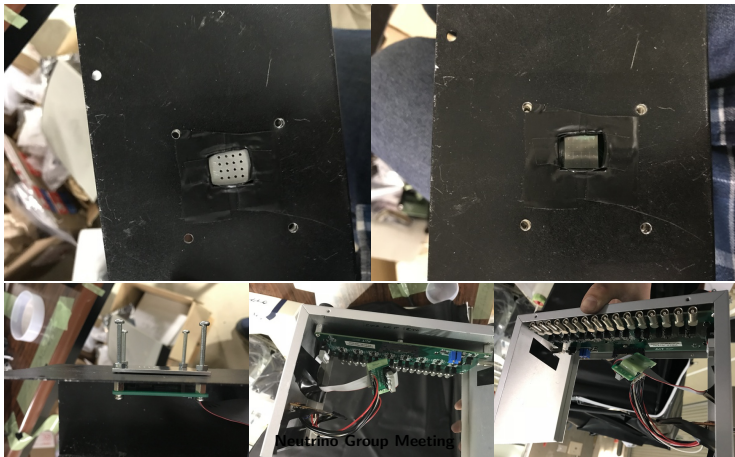
Hardware works

- ▶ Optical silica-core fiber cutting and making a mock-up to use with MPPC arrays



Hardware works

- ▶ Design and fabricate boxes to house the MPPC array, amplifier, etc. → to be installed in J-PARC tunnel for studying by next week



Software works

- ▶ Update NEUT technical notes with more plots
- ▶ Presented at the T2K Neutrino Interaction Working Group meeting
- ▶ Preparing strategies to make progress in CC 1π CC inclusive measurements, to be discussed and presented at (sub)-convener cross-section meeting tonight

With NU group members

- ▶ Working with Van in completing NEUT, will discuss more things we can do after/parallel this task
- ▶ Skype meeting with Ngoc to discuss on the paper, reading the latest draft
- ▶ Email exchange w/ Thanh on degeneracy in CP phase measurement, please follow the note here http://ifirse.icise.vn/nugroup/projects/duythanh_proj_bsc.pdf. Please follow, we don't have too much time until your defense.
- ▶ Ha's project is described here http://ifirse.icise.vn/nugroup/projects/hanguyen_project.pdf. Please follow, we don't have too much time until your defense.

- ▶ We have (enough) number of applications to neutrino schools. But if we have some students, friends would like to join, please let them know the deadline, (April 15th)
- ▶ About symposium, our group members can present shortly here (10-15 minutes per talk), suggested by Jean Tran Thanh Van, following are few suggestions for the talks
 - ▶ Van can talk about Neutrino event generator: need for precision measurement, maybe more works to do on some specific subject, examples, vertex activity to distinguish $2p2h$ and MEC? imbalance
 - ▶ Truong can talk about WAGASCI prospects?
 - ▶ Ngoc can talk about combine T2K & NOvA
 - ▶ Son can talk about BIF developing for monitoring neutrino beams