Working status (Only NuGroup-Related)
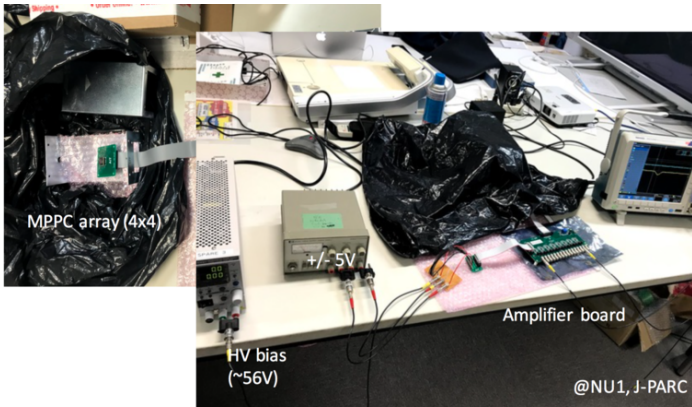
Son Cao

February 2, 2018

Working status (NuGroup-related only)

- Installation on IOP
    - Build NUISANCE interface for GENIE (an universal neutrino event generator) and tested
    - Build CERNLIB, NEUT 5.3.6 (NEUT 5.4.0 installation confirmed by H. Van) $\rightarrow$ Aims to install major neutrino event generators and create a framework to compare these generators with data
    - Update instruction https://goo.gl/Qw182C
        - Confirmed/insctruct job submission
        - Use git
        - Some other packages installed on IOP after sending request to IOP admin: opengl (needs for ROOT with OpenGL enabled, which is required for install NUISANEC); motiff (required for CERNLIB)
- Update technical note on NEUT, https: //www.dropbox.com/s/8ej0hn51cqpdywa/main.pdf?dl=0

Working status (NuGroup-related only): Play with MPPC arrays

- Plan to check noise rate, after pulse..
- Charge of 1pe.; gain

Plans for next (NuGroup-related only)

- ▶ Build NUISANCE interface for NEUT
- ▶ Build NuWRO and NUISANCE interface for it
- ▶ (Instruction on event generator 101)
- ▶ Working on GLoBES with Ngoc, prepare paper outlines
- ▶ Keep updating NEUT technical note (will discuss with Hayato at T2K collaboration meeting next week)
- ▶ More work with MPPC arrays (might useful for working with Truong later)