VN-neutrino meeting

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Test MPPC for VSoN School

Test MPPCs:

- test with dark current signal, can see 1pe, 2pe, 3pe but not clear
- mppc and plastic scintilator bar
 - + test with cosmic rays, can see cosmic ray signal
 - + coincidence and cosmic rays events rate

Wagasci Experiment

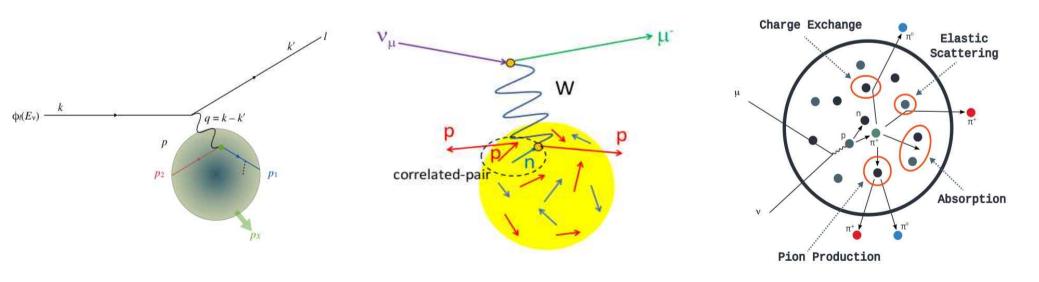
Wagasci proposal:

- + measure cross section on C and H20 at energy around 1GeV
- + neutrino neucleon interaction mostly through charged current quasielastic (CCQE)
 - + multi-body effects of nucleus → difficult to understand
 - + need information about neutrino and H2O for SuperK

Background:

+2p2h

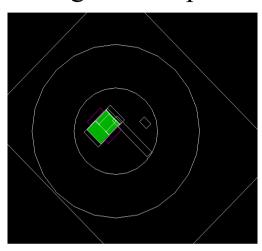
+ FSI: CC1 π

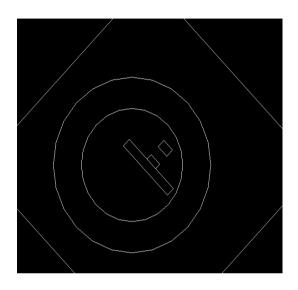


Wagasci Experiment

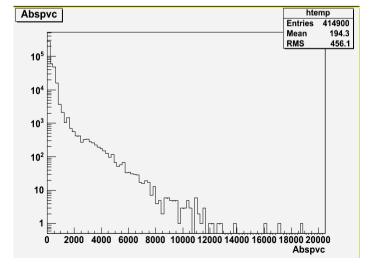
MC study:

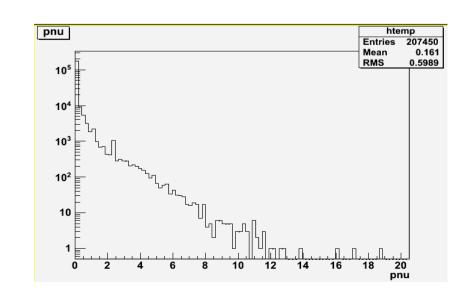
+ Ingrid MC: photo of detectors





+ Ingrid Analysis: some histograms





Wagasci Experiment

- + I need manual of MC, analysis and demo analysis script for further study
- + I will attend the software framework meeting to discuss about framework of analysis and reconstruction, maybe next week

Thanks for your attention