

The NuSTEC Cross Experiment Working Group (CEWG)



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NuSTEC Board Meeting
December 10th – 11th, 2020

When we last spoke ...

- I proposed the idea starting a forum for cross section experts from different collaborations to discuss ideas within NuSTEC
 - Evaluating cross section measurement techniques
 - Sharing best practices for reporting cross section data
 - Establishing methods for utilizing published measurements
- Reception was generally positive, and I received useful feedback

Since Then ...

- COVID happened ... and I thought it wasn't the right time to start a new meeting series
- Then I bought a home ... which was way more work than I thought ...
- Then Kirsty came along and jump started the idea ...
- ... and as of November we are up and running

The New Normal

- Leadership:
 - Conveners: Kirsty and Myself
 - Representative from major experiments
- Communication:
 - Slack channel on the NuSTEC workspace
 - Email list
 - Indico folder
- Monthly meetings:
 - Rotate through experiments
 - Identify topics of interest to cross section experts
 - “Deep dive” presentations followed by discussion
 - First “working” Thursday of each month at 9:00 CT for roughly 90 minutes

Meetings So Far

- MINERvA: Data preservation
 - Speaker: Kevin McFarland
 - [Recent update](#)
- T2K: Flux error shape intricacies
 - Speakers: Lukas Koch and Stephen Dolan
 - [The paper](#)
 - [The talk](#)
- MicroBooNE: $CC0\pi Np$ measurement technique
 - Speaker: Andy Furmanski
 - [The paper](#)
 - [The talk](#)
- Next Meeting:
 - NOvA: Evaluating goodness-of-fit
 - Speaker: Matthew Muether

Looking Forward

- Continue with monthly meeting series
 - Let us know if you have an idea for a topic, or something to present
 - Send out materials (papers, plots, talks) in advance
 - Ask for questions BEFORE the talk so speaker can address them
- Updates and followup projects?
 - Participation in external testing of the MINERvA data preservation products
 - Testing flux shape uncertainties outside T2K
 - New studies testing the MicroBooNE forward folding technique
- Most importantly:
 - Get folks talking!
 - Keep them talking!