

NuSTEC Board Meeting

August 31

Agenda :

- I. White paper
- II. Electron scattering workshop
- III. NuSTEC 2.0
- IV. IUPAP Whitepaper

I. White Paper(s) (1/2)

- What is the role of NuSTEC in Snowmass WPs ?
- Based on the LOI ([arXiv:2009.04285](https://arxiv.org/abs/2009.04285)) we submitted, we were invited to contribute a section on SIS/DIS to the White Paper 'Theoretical tools for neutrino scattering: the interplay between lattice QCD, EFTs, nuclear physics, phenomenology, and neutrino event generators.'
- Sections (~10 pages each) :
 - ✓ LQCD calculations for neutrino-nucleus scattering (Mike Wagman)
 - ✓ Ab initio nuclear many-body studies for neutrino-nucleus scattering (Joe Carlson)
 - ✓ Coherent elastic neutrino-nucleus scattering (Louis Strigari)
 - ✓ Neutrino-induced shallow and deep inelastic scattering (Natalie Jachowicz)
 - ✓ *The needs of the neutrino experimental program* (Kendall Mahn)
 - ✓ *Neutrino event generators* (Steven Gardiner)
- Teppei made a list of people interested to contribute for different topics of the SIS/DIS section (~following the structure of the LOI)
<https://docs.google.com/spreadsheets/d/1UQCwWmBPpYGKgGKfHOQ3yjoI9qO9qPAJS2P2H52D6WI/edit?usp=sharing>
- Miniworkshop August 23-25
<https://indico.fnal.gov/e/miniwhitepaper>

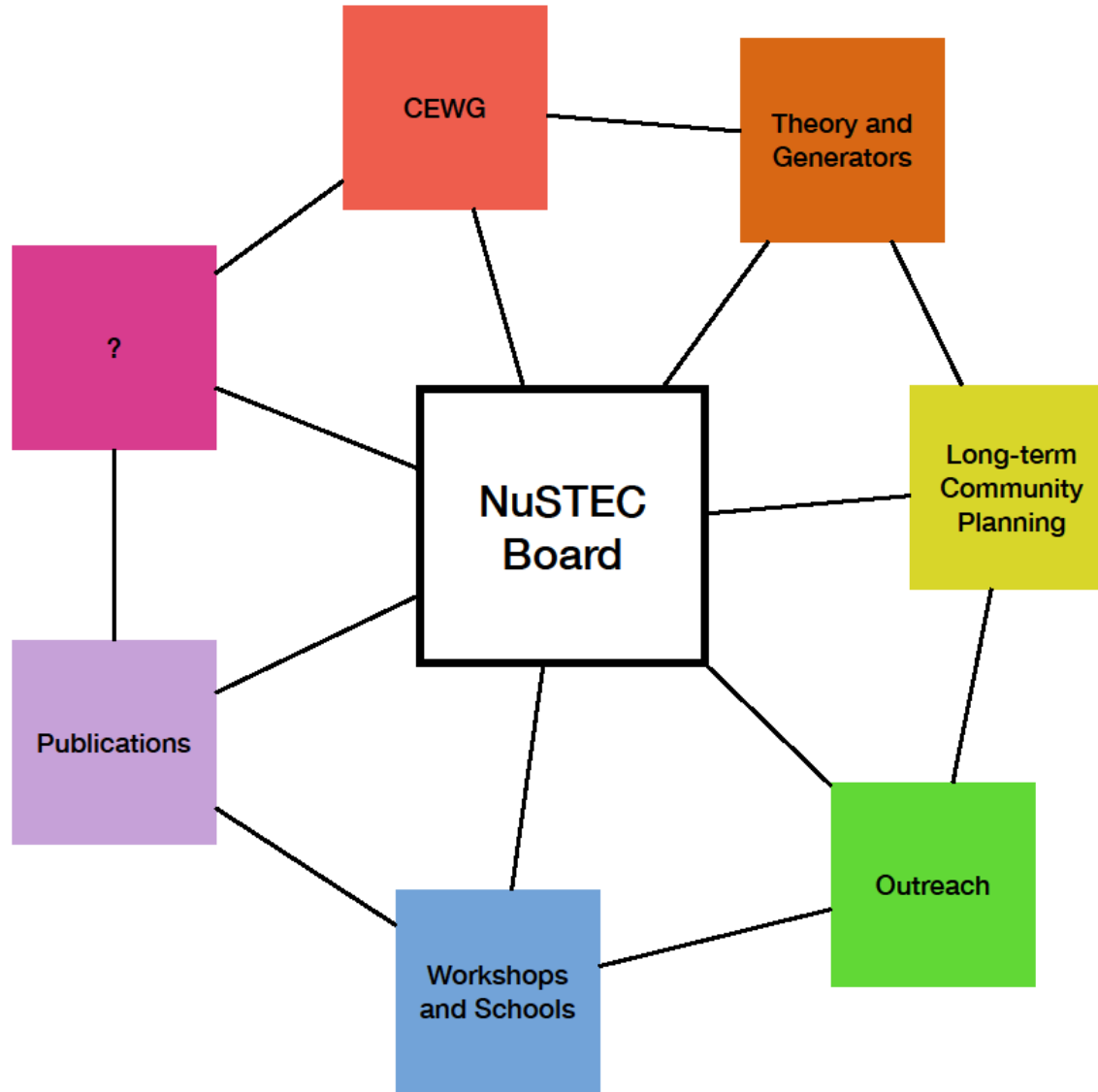
I. White Paper(s) (2/2)

- An H/D experiment WP is planned
- Is it effective to write a separate SIS/DIS WP ?
 - Do we try to approach the coordinators of the H/D WP and merge with SIS/DIS experimental aspects ?
 - Would it be more effective to merge the H/D(+SIS/DIS) WP efforts with the theory one into a single WP to cover a broad neutrino scattering program ?
- Do we want to plan a full 'scientific' NuSTEC WP in the near (but a bit further away) future ?

II. Electron scattering workshop – Adi Ashkenazi

III. Updating NuSTEC !

How can we get more people involved in an efficient way ?



III. Updating NuSTEC !

How can we get more people involved in an efficient way ?

- NuSTEC Structuring : make organization of NuSTEC activities more efficient and provide opportunities for people to take credit for the work they do on behalf of NuSTEC
- Form working groups, lead by conveners that are members of the board:
 - ✓ CEWG (Dan, Kirsty)
 - ✓ Theory & Generators
 - ✓ Long-term community planning
 - ✓ Outreach (Teppey,.....)
 - ✓ Workshops and schools
 - ✓ NuSTEC Publications coordination
 - ✓ ?
- Rotate WG leaders every couple of years
- If these changes are made, how to open up the collaboration to others?
 - ✓ Announcement on website
 - ✓ Personally reach out to individuals that we know or suspect are interested in getting involved
 - ✓ ?
- Organize December collaboration meeting around the activities of the working groups.