

NuSTEC Global Comparisons Working Group Discussion

Jonathan Paley, NuSTEC Board Meeting, December 18, 2024

Why?

- At the end of NuInt 24, there was some discussion and the topic of executing global comparison studies between generator predictions and “world neutrino data” came up.
- In recent year, experts from outside of NuSTEC and some NuSTEC Board members have been involved in organizing the TENSIONS (or similar) workshops.
- We agreed at the summer Board meeting to add a new working group (activity) to NuSTEC: “Global Comparisons WG”
- We need to recognize that this is a huge and extremely challenging topic.
- On the other hand, this new WG could further expand NuSTEC membership, produce useful output for future publications (by NuSTEC), topics for future workshops, and ultimately produce something quantitatively useful to the community.

How to Proceed?

- In the past, we have asked the WG conveners to define the mission of their WG. We are doing the same with Global Comparisons, but given the enormity of the topic, we thought it would be good to get some input from the Board.
- IMO, it's probably best to start with a limited scope and see how it goes:
 - Organize [open] meetings that would aim to define the priorities for global comparisons and coming up with a clear-as-possible “prescription” for comparing different data sets and predictions.
 - Work with the CWSWG to organize another “Tenions”-like workshop.
- Need to define the deliverables of this working group!

Let's discuss!