XXIX International Conference on Neutrino Physics and Astrophysics

Monday 22 June 2020 to Thursday 2 July 2020

Organizing Committee Co-Chairs: S. Brice (Fermilab), M. L. Marshak (University of Minnesota), G. Zeller (Fermilab)

Neutrino 2020 Logistics

- Neutrino 2020 was originally planned as a 5 day, in-person conference at a large hotel in Chicago city center.
- In late March 2020, Neutrino 2020 was switched to an online conference using the Zoom platform for Plenary talks.
- Neutrino 2020 Components
  - 79 Plenary talks scheduled from 0700 to 1130 (Chicago time) for 8 days (Monday to Thursday 22 June to 25 June and 29 June to 2 July)
  - Four poster sessions displaying 532 posters
  - Slack channels for questions to speakers and follow-up discussions
  - Virtual Reality to facilitate discussions at poster sessions
  - Physics Slam public outreach event

Neutrino 2020 Statistics

- Registrants: 4,350
- Registrants were domiciled on every continent (including Antarctica) and from 67 countries.
- 65% of registrants were from outside the host country (United States)
- 26% of registrants were female
- About 60% of registrants were students or post-docs.
- 33 members of the International Advisory Committee (42% female)

Neutrino 2020 Plenary Talks

- 79 Plenary Talks presented as Zoom Webinars
- Participants were encouraged to use the Zoom Q&A function for questions to speakers
- Session Chairs selected questions to ask speakers at the end of their talks. Unasked questions were moved to the appropriate Slack channel for offline Speaker follow-up.
- 3,387 unique individuals connected at least once to Plenary Talks. Typically, between 1,000 and 1,500 participants were connected simultaneously during Plenary sessions

Neutrino 2020 Slack Channels

- The Slack platform was used to facilitate offline discussions.
- Slack discussions regarding a talk often started during the talk. Unanswered questions from Chat were added to the appropriate Slack channel at the end of a talk.
- Speakers were encouraged to respond to questions posted on Slack.
- Neutrino 2020 participants posted 23,078 Slack messages.

Neutrino 2020 Posters

- 532 Posters were presented in four poster sessions.
- Poster presenters were encouraged to upload two-minute videos describing their work to YouTube.
- Poster videos were viewed 5,800 times.
- Posters were also displayed as .pdf files on the Conference website and as billboards via the Virtual Reality.

Sample Poster

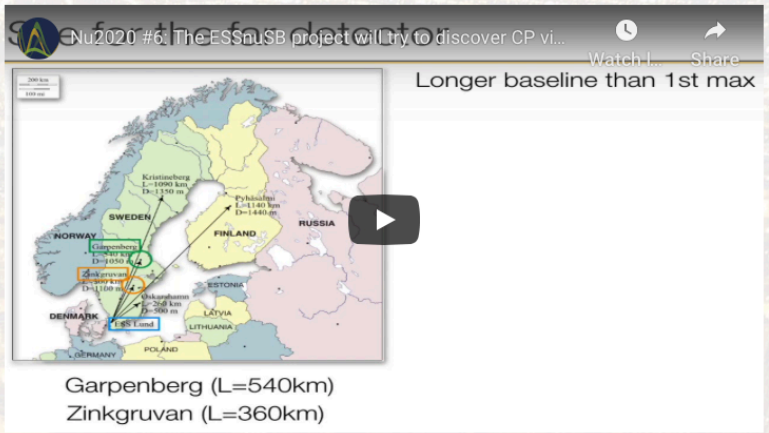
Poster #6

(Poster is in session #3)

The European Spallation Source neutrino Super Beam project

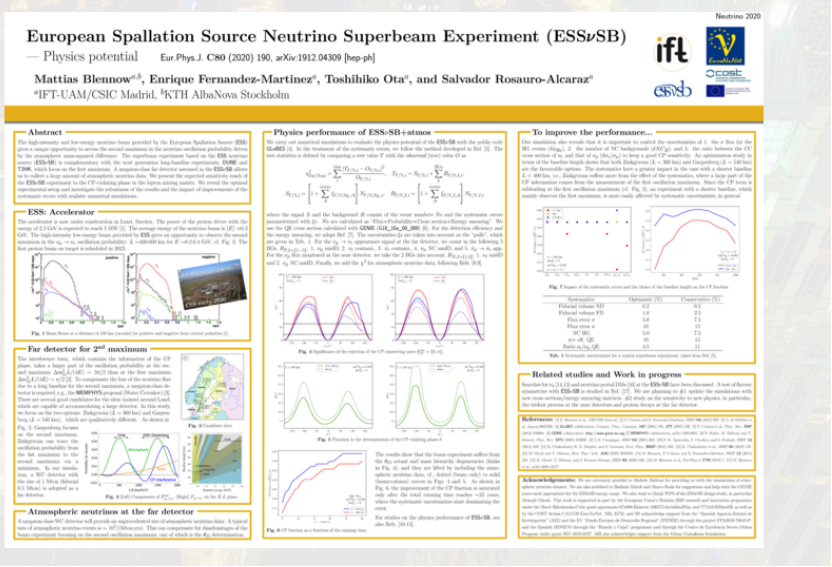
Toshihiko Ota, Ekelof Tord,Marcos Dracos

for ESSnuSB



The ESSnuSB project will try to discover CP violation using the 2nd neutrino oscillation maximum.

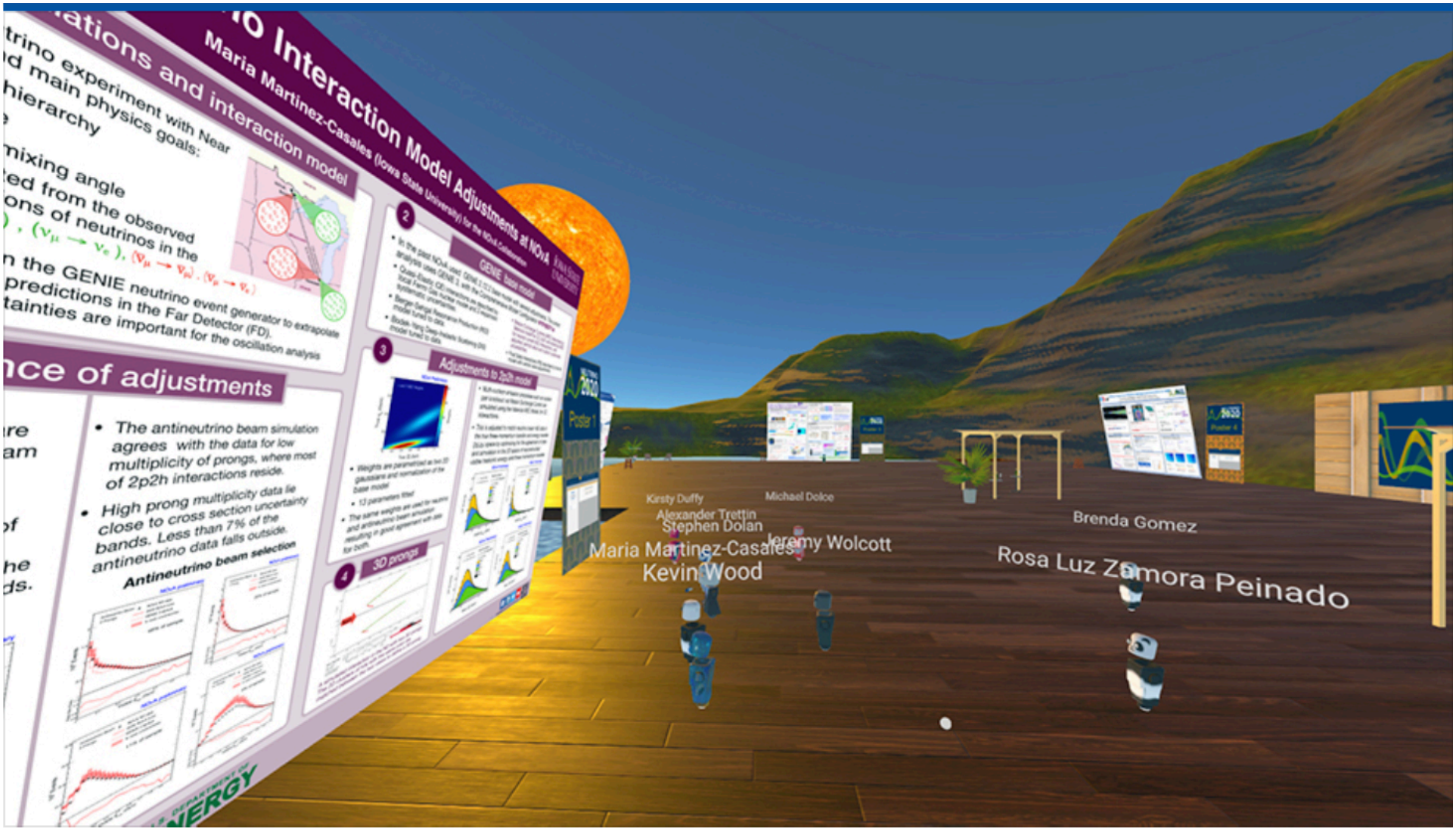
FULL ABSTRACT



Neutrino 2020 Virtual Reality

- Four Poster Sessions encouraged access to posters via Virtual Reality (VR).
- The VR platform hosted 3,409 unique visitors.
- Upon entry to the VR, visitors were assigned an avatar, which they could optionally customize.
- Five posters were displayed in each of 30 rooms. Additional rooms were assigned for discussions or tours of Chicago or Fermilab.
- Visitors were able to move around within or between rooms. When a visitor's avatar approached other avatars, the visitors could speak and hear the other avatars' visitors. Thus a discussion was enabled among visitors whose avatars were proximate.

Neutrino 2020 Virtual Reality (CERN Courier)



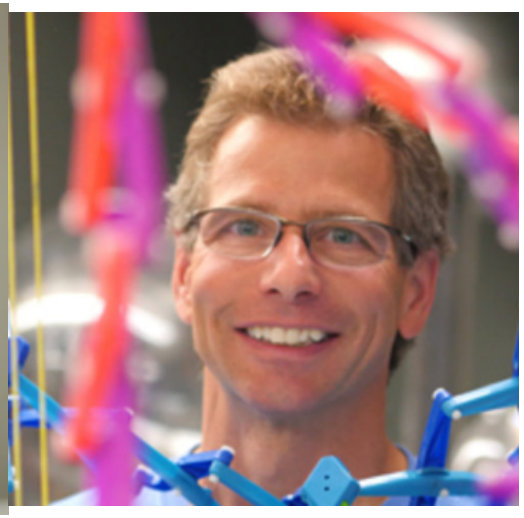
NEUTRINOS | MEETING REPORT

Neutrino 2020 zooms into virtual reality

Neutrino 2020 Physics Slam (Public Outreach)

Kirsty Duffy, FNAL

Alan Poon, LBL



Sam Sempere
Syracuse

- Thursday, 2 July 2020, 4:30 pm to 5:30 pm CDT (GMT-5)
- Sponsored by Chicago Council on Science and Technology and Fermilab
- Link from Neutrino 2020 Home Page (https://www.c2st.org/event/neutrino-2020-physics-slam/)
- Free advance registration on Physics Slam Home Page is required (optional donation)

Neutrino 2020 Local Organizing Committee

S. Brice (co-chair)	Fermilab
M. Del Tutto	Fermilab
A. Habig	Univ. of Minnesota Duluth
M. Hronek	Fermilab
M. Marshak (co-chair)	Univ. of Minnesota Twin Cities
T. Mohayai	Fermilab
A. Norrick	Fermilab
G. Pawloski	Univ. of Minnesota Twin Cities
F. Psihas	Fermilab
K. Riesselmann	Fermilab
E. Snider	Fermilab
T. Strauss	Fermilab
R. Thompson	Fermilab
S. Zeller (co-chair)	Fermilab
J. Zennamo	Fermilab