

# **NF09 Workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Importance of understanding reactor antineutrino emission for basic science, monitoring, and engineering**

*Friday, 4 December 2020 09:05 (30 minutes)*

**Presenters:** CONANT, Andrew (Oak Ridge National Laboratory); Dr ZHANG, XIANYI (Lawrence Livermore National Laboratory)

**Session Classification:** Reactor Antineutrinos (NF09 and NF07 combined)

Contribution ID: 2

Type: **not specified**

## **Reactor antineutrino predictions: current status and expected improvements**

*Friday, 4 December 2020 09:35 (30 minutes)*

**Presenter:** FALLOT, muriel (Subatech (univ. Nantes, CNRS-in2p3, IMTA))

**Session Classification:** Reactor Antineutrinos (NF09 and NF07 combined)

Contribution ID: 3

Type: **not specified**

## **Reactor antineutrino experiments: current status and future program**

*Friday, 4 December 2020 10:05 (30 minutes)*

**Presenters:** LITTLEJOHN, Bryce (Illinois Institute of Technology); LITTLEJOHN, Bryce

**Session Classification:** Reactor Antineutrinos (NF09 and NF07 combined)

Contribution ID: 4

Type: **not specified**

## **Global strategy and experimental effort beyond the planned program**

*Friday, 4 December 2020 10:35 (30 minutes)*

**Presenter:** HUBER, Patrick (Virginia Tech)

**Session Classification:** Reactor Antineutrinos (NF09 and NF07 combined)

Contribution ID: 5

Type: **not specified**

## Panel Discussion

*Friday, 4 December 2020 11:15 (30 minutes)*

Panelists: Muriel Fallot, Leendert Hayen, Patrick Huber, Bryce Littlejohn, Alejandro Sonzogni.

**Session Classification:** Reactor Antineutrinos (NF09 and NF07 combined)

Contribution ID: 6

Type: **not specified**

## JPARC Neutrino Beam Upgrade Plans and Possibilities

*Wednesday, 2 December 2020 09:00 (30 minutes)*

**Presenter:** SAKASHITA, Ken (KEK)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: 7

Type: **not specified**

## ESSnu Superbeam and Spallation Source

*Wednesday, 2 December 2020 09:30 (30 minutes)*

**Presenter:** EKELOF, Tord

**Session Classification:** Conventional Neutrino Beams



Contribution ID: 8

Type: **not specified**

## ENuBet

*Wednesday, 2 December 2020 10:40 (20 minutes)*

**Presenter:** TERRANOVA, Francesco (Univ. of Milano-Bicocca and INFN)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: 9

Type: **not specified**

## **Fermilab Neutrino Beam Upgrade Plans and Possibilities**

*Wednesday, 2 December 2020 11:20 (30 minutes)*

**Presenter:** TOUPS, Matthew (FNAL)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: **10**

Type: **not specified**

## Future Neutrino Targets

*Wednesday, 2 December 2020 10:20 (20 minutes)*

**Presenter:** DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: **11**

Type: **not specified**

## Future Neutrino Horns

*Wednesday, 2 December 2020 10:00 (20 minutes)*

**Presenters:** ZIMMERMAN, Eric D. (University of Colorado); ZIMMERMAN, Eric

**Session Classification:** Conventional Neutrino Beams

Contribution ID: **12**

Type: **not specified**

## EMPHATIC Plans

*Wednesday, 2 December 2020 11:50 (20 minutes)*

**Presenter:** PALEY, Jonathan (Fermilab)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: **13**

Type: **not specified**

## NA61 Plans

*Wednesday, 2 December 2020 12:10 (20 minutes)*

**Presenters:** NAGAI, Yoshikazu (University of Colorado Boulder); NAGAI, Yoshikazu (University of Colorado at Boulder)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: 14

Type: **not specified**

## Flux Determination at Near Detectors

*Wednesday, 2 December 2020 12:30 (20 minutes)*

**Presenter:** JUNG, Chang Kee (Stony Brook University)

**Session Classification:** Conventional Neutrino Beams

Contribution ID: 15

Type: **not specified**

## **Neutrino physics with muon-decay medium-baseline neutrino beam facility (MOMENT)**

*Thursday, 3 December 2020 09:20 (20 minutes)*

**Presenter:** TANG, Jian (Sun Yat-Sen University)

**Session Classification:** Novel Neutrino Sources



Contribution ID: 16

Type: **not specified**

## Use of Precision Beam Timing

*Thursday, 3 December 2020 11:20 (20 minutes)*

**Presenter:** WETSTEIN, Matt (Iowa State University)

**Session Classification:** Novel Neutrino Sources

Contribution ID: 17

Type: **not specified**

## **FASERv: Looking forward to neutrinos at the LHC**

*Thursday, 3 December 2020 11:40 (20 minutes)*

**Presenter:** KLING, Felix (SLAC)

**Session Classification:** Novel Neutrino Sources

Contribution ID: **18**

Type: **not specified**

## nuStorm

*Thursday, 3 December 2020 12:00 (20 minutes)*

**Presenter:** LONG, Kenneth (Imperial College London)

**Session Classification:** Novel Neutrino Sources

Contribution ID: **19**

Type: **not specified**

## **Intense radioactive electron capture sources**

*Friday, 4 December 2020 11:45 (20 minutes)*

**Presenter:** LINK, Jonathan (Virginia Tech)

**Session Classification:** Novel Neutrino Sources

Contribution ID: **20**

Type: **not specified**

## IsoDAR

*Friday, 4 December 2020 12:05 (20 minutes)*

**Presenter:** WINKLEHNER, Daniel (Massachusetts Institute of Technology)

**Session Classification:** Novel Neutrino Sources

Contribution ID: **21**

Type: **not specified**

## JSNS2

*Thursday, 3 December 2020 09:00 (20 minutes)*

**Presenter:** MARUYAMA, Takasumi (KEK)

**Session Classification:** Neutrinos from spallation sources

Contribution ID: 22

Type: **not specified**

# COHERENT General physics, hardware, and upgrades

*Thursday, 3 December 2020 09:40 (30 minutes)*

**Presenter:** SALVAT, Daniel (Indiana University)

**Session Classification:** Neutrinos from spallation sources

Contribution ID: 23

Type: **not specified**

## CCM and LANSCE timing

*Thursday, 3 December 2020 10:10 (20 minutes)*

**Presenter:** VAN DE WATER, Richard (LANL)

**Session Classification:** Neutrinos from spallation sources



Contribution ID: 24

Type: **not specified**

## **Relationship to new-physics (non-neutrino) searches at beam dump experiments**

*Thursday, 3 December 2020 10:30 (20 minutes)*

**Presenter:** KELLY, Kevin

**Session Classification:** Neutrinos from spallation sources

Contribution ID: 25

Type: **not specified**

## **Flux instrumentation at spallation sources; SNS D2O flux monitor**

*Thursday, 3 December 2020 11:00 (20 minutes)*

**Presenter:** PARNO, Diana (Carnegie Mellon University)

**Session Classification:** Neutrinos from spallation sources

Contribution ID: 26

Type: **not specified**

## **LBNF Upgrade Possibilities**

*Wednesday, 2 December 2020 12:50 (20 minutes)*

**Presenters:** BISHAI, Mary (Brookhaven National Laboratory); BISHAI, Mary

**Session Classification:** Conventional Neutrino Beams

Contribution ID: 27

Type: **not specified**

## Brief introduction to the Session

*Friday, 4 December 2020 09:00 (5 minutes)*

**Presenters:** OCHOA, J. Pedro (University of California at Irvine); BOWDEN, Nathaniel (LLNL)

**Session Classification:** Reactor Antineutrinos (NF09 and NF07 combined)