

Program

16–20 Jan 2023

**Technical Meeting on Nuclear Data Needs for
Antineutrino Spectra Applications**

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Monday 16 January

08:45

Opening session

Session

Description

Welcome-Introduction

09:00

09:00

Reactor antineutrino measurements

Session

09:00–09:40

Measurement of residual reactor antineutrino by Double Chooz

Speaker

Anthony Onillon

09:40–10:20

RENO Experiment

Speaker

Jonghee Yoo

10:20–10:50

Coffee break

10:50–11:35

SNOWMASS 2021 WHITE PAPER

Speaker

Bryce Littlejohn

11:35–12:15

Daya Bay I-Isotope spectrum, flux evolution and joint analysis w PROSPECT

Speaker

Fengpeng An

12:15–12:45

Daya Bay II-high-energy neutrinos, oscillations

Speaker

Liang Zhan

12:45

12:45

Lunch break

Session

14:15

14:15

Reactor antineutrino measurements

Session

14:15–14:55

PROSPECT I

Speaker

Nathaniel Bowden

14:55–15:35

SOLID Experiment

17:05

15:35–15:45 Coffee break**15:45–16:25 STEREO Experiment****Speaker**
David Lhuillier**16:25–17:05 NUCLEUS Experiment****Speaker**
Thierry Lasserre

Tuesday 17 January

09:00

Reactor antineutrino measurements

Session

09:00–09:40 **NEOS Experiment****Speaker**

Seon-Hee Seo

09:40–10:20 **DANSS Experiment****Speaker**

Dmitry Svirida

10:20–10:50 **Coffee break**10:50–11:30 **JUNO-TAO Experiment****Speaker**

Ruhui Li

11:30–12:10 **JUNO Experiment****Speaker**

Zeyuan Yu

12:10–12:50 **PROSPECT II****Speaker**

Karsten Heeger

12:50

12:50

Lunch break

Session

14:15

14:15

Reactor antineutrino applications

Session

14:15–14:55 **NU TOOLS****Speaker**

Michael Foxe

14:55–15:35 **Mobile Antineutrino Demonstrator****Speaker**

Nathaniel Bowden

15:35–15:50 **Coffee break**15:50–16:30 **CHANDLER Experiment****Speaker**

Jonathan Link

16:30–17:00 **Update on Antineutrino-based Safeguard Approaches for Spent Nuclear Fuel**

17:50

Speaker
Yan Schnellbach

17:00–17:40 **COHERENT Experiment**

Speaker
Yuri Efremenko

Wednesday 18 January

09:00

Reactor antineutrino modelling & nuclear data

Session

09:00–09:45 **Antineutrino modelling overview**

Speaker

Patrick Huber

09:45–10:20 **SUMMATION CALCULATIONS-BNL**

Speaker

Alexandro Sonzogni

10:20–10:50 **Coffee break**

10:50–11:30 **SUMMATION CALCULATIONS-NANTES**

Speaker

Muriel Fallot

11:30–12:10 **New Ab-initio reactor calculations**

Speaker

Lorenzo Perisse

12:10–12:40 **CONFLUX - A Flexible, Modular Reactor Neutrino Flux Calculation Framework**

Speaker

Xianyi Zhang

12:40

12:40

Lunch break

Session

14:10

14:10

Reactor antineutrino modelling & nuclear data

Session

14:10–14:50 **Nuclear data measurements at ANL**

Speaker

Filip Kondev

14:50–15:30 **Nuclear data measurements at ORNL**

Speakers

Bertis Rasco, Krzysztof Rykaczewski

15:30–15:50 **Coffee break**

15:50–16:30 **Nuclear data measurements-IFIC/Valencia-Nantes**

Speaker

Alejandro Algorta

16:30–17:10 **Combining reactor fission gas data with antineutrino data**

Speaker

Anna Catherine Hayes-Sterbenz

17:10–17:40

Fission Yields Modelling and Evaluation

Speaker

Amy Lovell

17:40

Thursday 19 January

09:00

Reactor antineutrino modelling & nuclear data

Session

09:00–09:30 **Implementation of a comprehensive Monte-Carlo-type fit procedure in GEF**

Speaker

Karl-Heinz Schmidt

09:30–10:00 **Beta spectroscopy needs and impact on the global data set-Hayen**

10:00–10:20 **BNL contribution II**

Speaker

Andrea Mattera

10:20–10:35 **BNL contribution III**

Speaker

Samuel Kim

10:35–11:05 **Coffee break**

11:05

11:05

Roundtable discussion

Session | Convener: Karsten Heeger

12:30

12:30

Lunch break

Session

14:00

14:00

Roundtable discussion

Session

15:30–16:00 **Coffee break**

17:30

Friday 20 January

