

Applied Antineutrino Physics 2015

Report of Contributions

Contribution ID: 0

Type: **not specified**

Opening Remarks (VT)

Monday, December 7, 2015 9:00 AM (15 minutes)

Session Classification: Introduction

Contribution ID: 1

Type: **not specified**

History of AAP (TBC)

Contribution ID: 2

Type: **not specified**

Development of Plastic Anti-neutrino Detector Array (PANDA) (Y. Kato, U. Toyko)

Monday, December 7, 2015 9:15 AM (25 minutes)

Presenter: KATO, Yo

Session Classification: Neutrino Detectors

Contribution ID: 3

Type: **not specified**

T2K Ecal (J. Coleman, U. Liverpool)

Monday, December 7, 2015 9:40 AM (25 minutes)

Presenter: COLEMAN, Jonathon

Session Classification: Neutrino Detectors

Contribution ID: 4

Type: **not specified**

Nucifer (J. Gaffiot, U. Liverpool)

Monday, December 7, 2015 10:05 AM (25 minutes)

Presenter: GAFFIOT, Jonathan

Session Classification: Neutrino Detectors

Contribution ID: 5

Type: **not specified**

Cosmic backgrounds for surface neutrino experiments (H.P. Mumm, NIST)

Monday, December 7, 2015 11:00 AM (30 minutes)

Presenter: MUMM, Hans

Session Classification: Neutrino detector R&D

Contribution ID: 6

Type: **not specified**

mTC (K. Nishimura, Ultralytics LLC)

Monday, December 7, 2015 11:30 AM (20 minutes)

Presenter: NISHIMURA, Kurtis

Session Classification: Neutrino detector R&D

Contribution ID: 7

Type: **not specified**

Angra water Cherenkov (TBC)

Contribution ID: 8

Type: **not specified**

Solid (A. Vacharet, Oxford)

Monday, December 7, 2015 11:50 AM (20 minutes)

Presenter: VACHERET, Antonin

Session Classification: Neutrino detector R&D

Contribution ID: 9

Type: **not specified**

CHANDLER R&D

Monday, December 7, 2015 12:10 PM (20 minutes)

Presenter: MARIANI, Camillo (Virginia Tech)

Session Classification: Neutrino detector R&D

Contribution ID: **10**

Type: **not specified**

NuLat (D. Rountree, VT)

Monday, December 7, 2015 2:00 PM (20 minutes)

Presenter: Dr ROUNTREE, S. Derek (Virginia Tech)

Session Classification: Neutrino detector R&D

Contribution ID: **11**

Type: **not specified**

NEOS

Monday, December 7, 2015 2:40 PM (20 minutes)

Presenter: OH, Yoomin (Institut for Basic Science, Korea)

Session Classification: Neutrino detector R&D

Contribution ID: 12

Type: **not specified**

Stereo (D. Lhullier, CEA)

Monday, December 7, 2015 2:20 PM (20 minutes)

Presenter: LHULLIER, David

Session Classification: Neutrino detector R&D

Contribution ID: 13

Type: **not specified**

PROSPECT (K. Heeger, Yale)

Monday, December 7, 2015 4:10 PM (20 minutes)

Presenter: HEEGER, Karsten

Session Classification: Neutrino detector R&D

Contribution ID: 14

Type: **not specified**

White paper discussion

Monday, December 7, 2015 4:50 PM (1 hour)

Session Classification: Neutrino detector R&D

Contribution ID: 15

Type: **not specified**

COHERENT (Grayson Rich, Duke)

Tuesday, December 8, 2015 9:00 AM (20 minutes)

Presenter: RICH, Grayson

Session Classification: Coherent neutrino scattering R&D

Contribution ID: 16

Type: **not specified**

CONNIE (Juan Estrada, Fermilab)

Tuesday, December 8, 2015 9:20 AM (20 minutes)

Presenter: ESTRADA, Juan

Session Classification: Coherent neutrino scattering R&D

Contribution ID: 17

Type: **not specified**

Ricochet

Tuesday, December 8, 2015 9:40 AM (20 minutes)

Presenter: LEDER, Alexander (MIT)

Session Classification: Coherent neutrino scattering R&D

Contribution ID: **18**

Type: **not specified**

LXe COHERENT (Vladmir Belov, ITEP)

Tuesday, December 8, 2015 10:00 AM (20 minutes)

Presenter: BELOV, Vladimir

Session Classification: Coherent neutrino scattering R&D

Contribution ID: 19

Type: **not specified**

Neutrino nucleus coherent scattering - Prospects of future reactor experiments with germanium detectors (M. Salathe, MPIK)

Tuesday, December 8, 2015 10:20 AM (20 minutes)

Presenter: SALATHE, Marco

Session Classification: Coherent neutrino scattering R&D

Contribution ID: 20

Type: **not specified**

Geoneutrino introduction (Bill McDonough, U. Maryland)

Tuesday, December 8, 2015 11:10 AM (30 minutes)

Presenter: MCDONOUGH, Bill

Session Classification: Geo-Neutrinos & Directionality

Contribution ID: 21

Type: **not specified**

Global Antineutrino Map (M. Baldoncini, INFN)

Tuesday, December 8, 2015 11:40 AM (20 minutes)

Presenter: BALDONCINI, Marica

Session Classification: Geo-Neutrinos & Directionality

Contribution ID: 22

Type: **not specified**

Santa (B. Suerfu, Princeton)

Tuesday, December 8, 2015 12:00 PM (20 minutes)

Presenter: SUERFU, Burkhant

Session Classification: Geo-Neutrinos & Directionality

Contribution ID: 23

Type: **not specified**

ES directionality in gd-h2o (D. Hellfeld, LLNL)

Tuesday, December 8, 2015 12:40 PM (20 minutes)

Presenter: HELLFELD, Daniel

Session Classification: Geo-Neutrinos & Directionality

Contribution ID: 24

Type: **not specified**

Double Chooz directionality (T. Brugiere, IPHC Strasbourg)

Tuesday, December 8, 2015 12:20 PM (20 minutes)

Presenter: BRUGIERE, Timothee

Session Classification: Geo-Neutrinos & Directionality

Contribution ID: 25

Type: **not specified**

Nuclear data for reactor fluxes (A. Sonzogni, NNDC)

Tuesday, December 8, 2015 2:30 PM (20 minutes)

Presenter: SONZOGNI, Alejandro

Session Classification: Theoretical Studies

Contribution ID: 26

Type: **not specified**

Reactor spectrum

Tuesday, December 8, 2015 2:50 PM (20 minutes)

Presenter: HUBER, Patrick (VT)

Session Classification: Theoretical Studies

Contribution ID: 27

Type: **not specified**

Breeding blanket detection using CENNS (B. Cogswell, Princeton)

Tuesday, December 8, 2015 3:10 PM (20 minutes)

Presenter: COGSWELL, Bernadette

Session Classification: Theoretical Studies

Contribution ID: 28

Type: **not specified**

The potential to resolve spectral anomalies with different reactor experiments (J. Haser, MPIK)

Tuesday, December 8, 2015 3:30 PM (20 minutes)

Presenter: HASER, Julia

Session Classification: Theoretical Studies

Contribution ID: 29

Type: **not specified**

Antineutrinos from neutron capture (P. Jaffke, VT)

Tuesday, December 8, 2015 3:50 PM (20 minutes)

Presenter: Mr JAFFKE, Patrick (Virginia Tech Physics Department)

Session Classification: Theoretical Studies

Contribution ID: 30

Type: **not specified**

Synergy & differences between SBL and safeguards (N. Bowden, LLNL)

Tuesday, December 8, 2015 4:40 PM (30 minutes)

Presenter: Dr BOWDEN, Nathaniel (LLNL)

Session Classification: Non-proliferation safeguards

Contribution ID: **31**

Type: **not specified**

Verification techniques (TBC)

Contribution ID: 32

Type: **not specified**

Antineutrino Detection in Gd-loaded Water (M. Vagins)

Monday, December 7, 2015 4:30 PM (20 minutes)

Presenter: VAGINS, Mark

Session Classification: Neutrino detector R&D

Contribution ID: 33

Type: **not specified**

Neutron Simulation of Heterogenous Detectors

Monday, December 7, 2015 3:00 PM (20 minutes)

Presenter: HAGHIGHAT, Alireza (Virginia Tech)

Session Classification: Neutrino detector R&D

Contribution ID: **34**

Type: **not specified**

Venues of AAP 2016 and 2017

Tuesday, December 8, 2015 5:10 PM (10 minutes)

Contribution ID: 35

Type: **not specified**

Sandia segmented scinitillator

Monday, December 7, 2015 3:50 PM (20 minutes)

Presenter: REYNA, David (Sandia)

Session Classification: Neutrino detector R&D