Neutrino and Dark Matter in Nuclear Physics 2015

Report of Contributions

Open call - the search for future s $\,\cdots\,$

Contribution ID: 1

Type: not specified

Open call - the search for future scientific activity in the Pyhäsalmi mine

Author: AITTOLA, Marko (University of Oulu)
Presenter: AITTOLA, Marko (University of Oulu)

Status of the RED experiment

Contribution ID: 2

Type: not specified

Status of the RED experiment

Tuesday 2 June 2015 12:00 (30 minutes)

Presenter: AKIMOV, Dmitry (SSC RF ITEP of NRC "Kurchatov Institute") **Session Classification:** Neutrino Experiments, Methods and Facilities

Theoretical estimates of superno $\,\cdots\,$

Contribution ID: 3

Type: not specified

Theoretical estimates of supernova neutrino scattering off the stable cadmium isotopes

Presenter: ALMOSLY, Wafa

Heavy element nucleosynthesis in …

Contribution ID: 4

Type: not specified

Heavy element nucleosynthesis in core-collapse supernovae and neutron star mergers

Monday 1 June 2015 11:30 (30 minutes)

Presenter: ARCONES, Almudena

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Neutrino properties, collective ne \cdots

Contribution ID: 5

Type: not specified

Neutrino properties, collective neutrino oscillations, and r-process nucleosynthesis

Friday 5 June 2015 08:20 (30 minutes)

Presenter: BALANTEKIN, Baha

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Review of modern double beta de \cdots

Contribution ID: 6

Type: not specified

Review of modern double beta decay experiments

Wednesday 3 June 2015 10:00 (30 minutes)

Presenter:BARABASH, AlexanderSession Classification:Double Beta Decay

Double beta decay matrix elemen ...

Contribution ID: 7

Type: not specified

Double beta decay matrix elements in the IBM-2 with isospin restoration

Wednesday 3 June 2015 15:00 (20 minutes)

Presenter: BAREA, Jose **Session Classification:** Double Beta Decay

Results and strategies for dark m $\,\cdots\,$

Contribution ID: 8

Type: not specified

Results and strategies for dark matter investigations

Thursday 4 June 2015 09:00 (30 minutes)

Presenter: BELLI, Pierluigi Session Classification: Dark Matter

CUORE-0 experiment: first physi ...

Contribution ID: 9

Type: not specified

CUORE-0 experiment: first physics results

Wednesday 3 June 2015 17:40 (20 minutes)

Presenter: BIASSONI, Matteo

Session Classification: Double Beta Decay

Penning-trap mass spectrometry ···

Contribution ID: 10

Type: not specified

Penning-trap mass spectrometry and neutrino physics

Monday 1 June 2015 09:50 (30 minutes)

Presenter: BLAUM, Klaus

Session Classification: Neutrino Experiments, Methods and Facilities

The present generation of bolom \cdots

Contribution ID: 11

Type: not specified

The present generation of bolometers for double beta decay searches

Wednesday 3 June 2015 09:00 (30 minutes)

Presenter:BROFFERIO, ChiaraSession Classification:Double Beta Decay

Exploring solar neutrinos - recent ···

Contribution ID: 12

Type: not specified

Exploring solar neutrinos - recent results and future opportunities

Thursday 4 June 2015 14:30 (30 minutes)

Presenter: CALAPRICE, Frank

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

The nuclear matrix elements of \cdots

Contribution ID: 13

Type: not specified

The nuclear matrix elements of 0vββ decay and the NUMEN project at INFN-LNS

Tuesday 2 June 2015 11:30 (30 minutes)

Presenter: CAPPUZZELLO, Francesco **Session Classification:** Double Beta Decay

DAMA/LIBRA-phase1 results, pe ...

Contribution ID: 14

Type: not specified

DAMA/LIBRA-phase1 results, perspectives of phase-2 and beyond

Monday 1 June 2015 11:30 (30 minutes)

Presenter: CERULLI, Riccardo Session Classification: Dark Matter

Neutrino induced reactions by Q $\,\cdots\,$

Contribution ID: 15

Type: not specified

Neutrino induced reactions by QRPA and related topics

Wednesday 3 June 2015 14:30 (30 minutes)

Presenter: CHEOUN, Myung-Ki

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Matrix elements for $2\nu\beta\beta$ and \cdots

Contribution ID: 16

Type: not specified

Matrix elements for 2νββ and 0νββ decays: Current results and applications

Wednesday 3 June 2015 09:30 (30 minutes)

Presenter: CIVITARESE, Osvaldo **Session Classification:** Double Beta Decay

Prospects for WIMP dark matter a …

Contribution ID: 18

Type: not specified

Prospects for WIMP dark matter and coherent neutrino scattering with the LUX-ZEPLIN detector

Monday 1 June 2015 16:30 (20 minutes)

Presenter: DOBI, Attila Session Classification: Dark Matter

Status of the DANSS project

Contribution ID: 19

Type: not specified

Status of the DANSS project

Thursday 4 June 2015 11:30 (30 minutes)

Presenter: EGOROV, Viacheslav

Session Classification: Neutrino Experiments, Methods and Facilities

Neutrino nuclear responses for d $\,\cdots\,$

Contribution ID: 20

Type: not specified

Neutrino nuclear responses for double beta decays and astro neutrino interactions

Wednesday 3 June 2015 10:30 (30 minutes)

Presenter:EJIRI, HiroSession Classification:Double Beta Decay

The MAJORANA DEMONSTRAT \cdots

Contribution ID: 21

Type: not specified

The MAJORANA DEMONSTRATOR project

Tuesday 2 June 2015 12:30 (30 minutes)

Presenter: ELLIOTT, Steve

Session Classification: Double Beta Decay

Multi-dimensional simulations of \cdots

Contribution ID: 22

Type: not specified

Multi-dimensional simulations of core-collapse supernova explosions with CHIMERA

Monday 1 June 2015 12:00 (30 minutes)

Presenter: ENDEVE, Eirik

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Reducing uncertainty in the matr ...

Contribution ID: 23

Type: not specified

Reducing uncertainty in the matrix elements governing neutrinoless double-beta decay

Thursday 4 June 2015 11:30 (30 minutes)

Presenter: ENGEL, JonathanSession Classification: Double Beta Decay

Search for neutrinoless double- ····

Contribution ID: 24

Type: not specified

Search for neutrinoless double-beta decay of 136Xe with nEXO

Tuesday 2 June 2015 12:00 (30 minutes)

Presenter: FARINE, Jacques **Session Classification:** Double Beta Decay

Role of light nuclear clusters in si ...

Contribution ID: 25

Type: not specified

Role of light nuclear clusters in simulations of core collapse supernovae

Wednesday 3 June 2015 11:30 (30 minutes)

Presenter: FISCHER, Tobias

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Particle dark matter signals in the …

Contribution ID: 26

Type: not specified

Particle dark matter signals in the anisotropic sky: a cross-correlations approach

Thursday 4 June 2015 09:30 (30 minutes)

Presenter: FORNENGO, Nicolao Session Classification: Dark Matter

Charge-exchange reactions, GT t

Contribution ID: 27

Type: not specified

Charge-exchange reactions, GT transitions and the things beyond for the double beta decay

Thursday 4 June 2015 12:30 (30 minutes)

Presenter: FREKERS, Dieter **Session Classification:** Double Beta Decay

Search for neutrinoless double be

Contribution ID: 28

Type: not specified

Search for neutrinoless double beta decay with KamLAND-Zen

Wednesday 3 June 2015 17:20 (20 minutes)

Presenter: GANDO, Azusa **Session Classification:** Double Beta Decay

The electron capture in 163Ho ex $\,\cdots\,$

Contribution ID: 29

Type: not specified

The electron capture in 163Ho experiment

Tuesday 2 June 2015 12:30 (30 minutes)

Presenter: GASTALDO, Loredana

Session Classification: Neutrino Experiments, Methods and Facilities

Weak and rare low energy nuclear \cdots

Contribution ID: 30

Type: not specified

Weak and rare low energy nuclear processes

Tuesday 2 June 2015 16:00 (30 minutes)

Presenter: GAZIT, Doron Session Classification: Dark Matter

Search for neutrinoless double be

Contribution ID: 31

Type: not specified

Search for neutrinoless double beta decay with bolometers: R&D towards CUPID

Monday 1 June 2015 17:30 (30 minutes)

Presenter: GIULIANI, Andrea

Session Classification: Neutrino Experiments, Methods and Facilities

Light sterile neutrinos

Contribution ID: 32

Type: not specified

Light sterile neutrinos

Wednesday 3 June 2015 12:00 (30 minutes)

Presenter: GIUNTI, Carlo

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Rare nuclear single beta decays

Contribution ID: 33

Type: not specified

Rare nuclear single beta decays

Monday 1 June 2015 14:30 (30 minutes)

Presenter: HAARANEN, Mikko

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

The DEAP 3600 dark matter sear ···

Contribution ID: 34

Type: not specified

The DEAP 3600 dark matter search in SNOLAB

Thursday 4 June 2015 12:30 (30 minutes)

Presenter: HALLIN, Aksel

Session Classification: Neutrino Experiments, Methods and Facilities

Neutrino process in supernova ex ...

Contribution ID: 35

Type: not specified

Neutrino process in supernova explosion and effects to primitive meteorites

Monday 1 June 2015 12:30 (30 minutes)

Presenter: HAYAKAWA, Takehito

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Structure of nuclei with strangen \cdots

Contribution ID: 36

Type: not specified

Structure of nuclei with strangeness and neutron star

Wednesday 3 June 2015 16:30 (30 minutes)

Presenter: HIYAMA, Emiko

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

A path toward ab initio calculatio $\,\cdots\,$

Contribution ID: 37

Type: not specified

A path toward ab initio calculations of neutrinoless double beta decay

Wednesday 3 June 2015 15:20 (20 minutes)

Presenter: HOLT, Jason
Session Classification: Double Beta Decay

Nuclear matrix elements for …

Contribution ID: 38

Type: not specified

Nuclear matrix elements for double-beta decay: a shell model perspective

Thursday 4 June 2015 12:00 (30 minutes)

Presenter: HOROI, Mihai **Session Classification:** Double Beta Decay

Nuclear matrix elements for $0\nu\beta\beta\cdots$

Contribution ID: 39

Type: not specified

Nuclear matrix elements for 0vββ decays with light or heavy Majorana-neutrino exchange

Presenter: HYVÄRINEN, Juhani

Large-scale shell model calculatio ...

Contribution ID: 40

Type: not specified

Large-scale shell model calculations for neutrinoless double beta decay of 48Ca

Wednesday 3 June 2015 18:00 (20 minutes)

Presenter: IWATA, Yoritaka **Session Classification:** Double Beta Decay

Search for the neutrinoless double …

Contribution ID: 41

Type: not specified

Search for the neutrinoless double beta decay with the "GERDA" experiment, status of phase II

Monday 1 June 2015 18:00 (20 minutes)

Presenter: JANICSKO, Jozsef

Session Classification: Neutrino Experiments, Methods and Facilities

A model for dark matter, natural \cdots

Contribution ID: 42

Type: not specified

A model for dark matter, naturalness and a complete gauge unification

Monday 1 June 2015 16:50 (20 minutes)

Presenter: KAINULAINEN, Kimmo Session Classification: Dark Matter

Supernova neutrinos and nucleos $\,\cdots\,$

Contribution ID: 43

Type: not specified

Supernova neutrinos and nucleosynthesis

Tuesday 2 June 2015 09:00 (30 minutes)

Presenter: KAJINO, Toshitaka

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

New results from RENO

Contribution ID: 44

Type: not specified

New results from RENO

Monday 1 June 2015 09:20 (30 minutes)

Presenter: KIM, Soo-Bong

Session Classification: Neutrino Experiments, Methods and Facilities

The status and plan for KIMS exp $\,\cdots\,$

Contribution ID: 45

Type: not specified

The status and plan for KIMS experiment

Wednesday 3 June 2015 11:30 (30 minutes)

Presenter: KIM, Yeongduk Session Classification: Dark Matter

Non-standard neutrino-nucleus i ...

Contribution ID: 46

Type: not specified

Non-standard neutrino-nucleus interactions

Wednesday 3 June 2015 17:00 (30 minutes)

Presenter: KOSMAS, Theocharis

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Neutrinoless double beta decay w $\,\cdots\,$

Contribution ID: 47

Type: not specified

Neutrinoless double beta decay without and with Majoron emission

Wednesday 3 June 2015 15:40 (20 minutes)

Presenter: KOTILA, Jenni **Session Classification:** Double Beta Decay

Mediterranean neutrino telescop \cdots

Contribution ID: 48

Type: not specified

Mediterranean neutrino telescopes (ANTARES and KM3NeT)

Monday 1 June 2015 10:20 (30 minutes)

Presenter: KOUCHNER, Antoine

Session Classification: Neutrino Experiments, Methods and Facilities

Evolution of the SNO+ physics p \cdots

Contribution ID: 49

Type: not specified

Evolution of the SNO+ physics programme and status of the detector

Monday 1 June 2015 16:30 (30 minutes)

Presenter: KRAUSS, Carsten

Session Classification: Neutrino Experiments, Methods and Facilities

Neutrino-nucleus reactions and t

Contribution ID: 50

Type: not specified

Neutrino-nucleus reactions and their role for supernova dynamics and nucleosynthesis

Tuesday 2 June 2015 08:30 (30 minutes)

Presenter: LANGANKE, Karlheinz

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

An effective field theory analysis · · ·

Contribution ID: 51

Type: not specified

An effective field theory analysis of the large underground xenon (LUX) first dark matter search

Wednesday 3 June 2015 12:00 (30 minutes)

Presenter: LARSEN, Nicole Session Classification: Dark Matter

Supernovae, neutron stars and the \cdots

Contribution ID: 52

Type: not specified

Supernovae, neutron stars and the equation of state of dense matter

Friday 5 June 2015 10:50 (30 minutes)

Presenter: LATTIMER, James

LUMINEU: A demonstrator expe ···

Contribution ID: 53

Type: not specified

LUMINEU: A demonstrator experiment to search for neutrinoless double beta decay of 100Mo with scintillating bolometer

Monday 1 June 2015 18:20 (20 minutes)

Presenter: MANCUSO, Michele

Session Classification: Neutrino Experiments, Methods and Facilities

Sterile neutrino dark matter and c …

Contribution ID: 54

Type: not specified

Sterile neutrino dark matter and core collapse supernovae

Monday 1 June 2015 12:00 (30 minutes)

Presenter: MATHEWS, Grant Session Classification: Dark Matter

Double-beta decay and nuclear st \cdots

Contribution ID: 55

Type: not specified

Double-beta decay and nuclear structure correlations

Monday 1 June 2015 14:30 (30 minutes)

Presenter: MENENDEZ, Javier

Session Classification: Double Beta Decay

Neutrino flavor transformation in \cdots

Contribution ID: 56

Type: not specified

Neutrino flavor transformation in compact object mergers and collapsars

Friday 5 June 2015 09:20 (30 minutes)

Presenter: MCLAUGHLIN, Gail

Probing the neutrino mass and se $\,\cdots\,$

Contribution ID: 57

Type: not specified

Probing the neutrino mass and search for sterile neutrinos with the KATRIN experiment

Wednesday 3 June 2015 12:30 (30 minutes)

Presenter: MERTENS, Susanne

Supernova neutrino flavor conve \cdots

Contribution ID: 58

Type: not specified

Supernova neutrino flavor conversions: Challenges and opportunities

Friday 5 June 2015 08:50 (30 minutes)

Presenter: MIRIZZI, Alessandro

Recent results from XENON100 a ···

Contribution ID: 59

Type: not specified

Recent results from XENON100 and status of XENONIT at Gran Sasso National Laboratories

Monday 1 June 2015 17:10 (20 minutes)

Presenter: MOLINARIO, Andrea Session Classification: Dark Matter

Indirect dark-matter searches wit ...

Contribution ID: 60

Type: not specified

Indirect dark-matter searches with gamma-rays experiments: status and future plans

Thursday 4 June 2015 10:00 (30 minutes)

Presenter: MORSELLI, Aldo Session Classification: Dark Matter

Neutrino interactions with nucle ...

Contribution ID: 61

Type: not specified

Neutrino interactions with nucleons and nuclei

Tuesday 2 June 2015 09:30 (30 minutes)

Presenter: MOSEL, Ulrich

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Recent results from Super- ···

Contribution ID: 62

Type: not specified

Recent results from Super-Kamiokande

Monday 1 June 2015 08:50 (30 minutes)

Presenter: NAKAHATA, Masayuki

Session Classification: Neutrino Experiments, Methods and Facilities

Neutrino emissivities from deute \cdots

Contribution ID: 63

Type: not specified

Neutrino emissivities from deuteron breakup and formation in supernova

Tuesday 2 June 2015 15:30 (20 minutes)

Presenter: NAKAMURA, Satoshi

Decay spectroscopy of neutron- ···

Contribution ID: 64

Type: not specified

Decay spectroscopy of neutron-rich nuclei relevant to astrophysical r process

Monday 1 June 2015 15:00 (30 minutes)

Presenter: NISHIMURA, Shunji

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Recent results and future plans for …

Contribution ID: 65

Type: not specified

Recent results and future plans for dark matter searches with PICO

Monday 1 June 2015 12:30 (30 minutes)

Presenter: NOBLE, Anthony
Session Classification: Dark Matter

Direct search for dark matter with …

Contribution ID: 66

Type: not specified

Direct search for dark matter with the EDELWEISS-III experiment: New WIMPs results

Monday 1 June 2015 17:30 (20 minutes)

Presenter: NONES, Claudia Session Classification: Dark Matter

THEIA: Physics potential of an a \cdots

Contribution ID: 67

Type: not specified

THEIA: Physics potential of an advanced scintillation detector

Tuesday 2 June 2015 11:30 (30 minutes)

Presenter: OREBI GANN, Gabriel

Session Classification: Neutrino Experiments, Methods and Facilities

Supernova (anti)neutrino induced …

Contribution ID: 68

Type: not specified

Supernova (anti)neutrino induced reactions in nuclei based on relativistic energy density functional

Wednesday 3 June 2015 15:00 (30 minutes)

Presenter: PAAR, Nils

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Results from the OPERA experim $\,\cdots\,$

Contribution ID: 69

Type: not specified

Results from the OPERA experiment on the CNGS beam

Presenter: PATRIZII, Laura

Flavor evolution of supernova ne $\,\cdots\,$

Contribution ID: 70

Type: not specified

Flavor evolution of supernova neutrinos as a many-body problem

Thursday 4 June 2015 15:00 (30 minutes)

Presenter: PEHLIVAN, Yamac

Dark matter scattering in dense n …

Contribution ID: 71

Type: not specified

Dark matter scattering in dense nuclear medium

Wednesday 3 June 2015 12:30 (30 minutes)

Presenter: PEREZ-GARCIA, M. Angeles **Session Classification:** Dark Matter

Predictions for leptonic Dirac CP ···

Contribution ID: 72

Type: not specified

Predictions for leptonic Dirac CP violation

Wednesday 3 June 2015 08:30 (30 minutes)

Presenter: PETCOV, Serguey

Session Classification: Double Beta Decay

Systematic approach to β and \cdots

Contribution ID: 73

Type: not specified

Systematic approach to β and $2\nu\beta\beta$ decays of mass A = 100 - 136 nuclei

Presenter: PIRINEN, Pekka

Neutrinoless $\beta\beta$ -decay and physi \cdots

Contribution ID: 75

Type: not specified

Neutrinoless ββ-decay and physics beyond standard model

Monday 1 June 2015 15:30 (30 minutes)

Presenter: RATH, Prafulla Kumar **Session Classification:** Double Beta Decay

Exploring low-mass WIMPs with …

Contribution ID: 76

Type: not specified

Exploring low-mass WIMPs with CRESST

Monday 1 June 2015 17:50 (20 minutes)

Presenter: REINDL, Florian
Session Classification: Dark Matter

Results from the OPERA experim ...

Contribution ID: 77

Type: not specified

Results from the OPERA experiment on the CNGS beam

Tuesday 2 June 2015 15:50 (20 minutes)

Presenter: RODA, Marco

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Right-handed currents in single a ···

Contribution ID: 78

Type: not specified

Right-handed currents in single and double beta decay

Wednesday 3 June 2015 14:30 (30 minutes)

Presenter: RODEJOHANN, Werner Session Classification: Double Beta Decay

Present status and future perspec ...

Contribution ID: 79

Type: not specified

Present status and future perspectives for neutrinoless double beta decay nuclear matrix elements with energy density functional methods

Monday 1 June 2015 15:00 (30 minutes)

Presenter: RODRIGUEZ, Tomas
Session Classification: Double Beta Decay

Topological detection of double b \cdots

Contribution ID: 80

Type: not specified

Topological detection of double beta decay with NEMO-3 and SuperNEMO

Thursday 4 June 2015 15:00 (30 minutes)

Presenter: SAAKYAN, Ruben **Session Classification:** Double Beta Decay

The LUCIFER project - current st ···

Contribution ID: 81

Type: not specified

The LUCIFER project - current status and perspectives

Monday 1 June 2015 18:40 (20 minutes)

Presenter: SCHÄFFNER, Karoline

Session Classification: Neutrino Experiments, Methods and Facilities

Staged implementation towards a ···

Contribution ID: 82

Type: not specified

Staged implementation towards a large-scale 76Ge neutrinoless double beta decay experiment

Thursday 4 June 2015 12:00 (30 minutes)

Presenter: SCHÖNERT, Stefan

Session Classification: Neutrino Experiments, Methods and Facilities

Chiral effective field theory for d \cdots

Contribution ID: 83

Type: not specified

Chiral effective field theory for dark matter direct detection

Tuesday 2 June 2015 14:30 (30 minutes)

Presenter: SCHWENK, Achim Session Classification: Dark Matter

Solar models and neutrinos: the s \cdots

Contribution ID: 84

Type: not specified

Solar models and neutrinos: the standard model and beyond

Friday 5 June 2015 09:50 (30 minutes)

Presenter: SERENELLI, Aldo

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Nuclear weak processes in astrop ...

Contribution ID: 85

Type: not specified

Nuclear weak processes in astrophysics studied with secondary particle beams

Monday 1 June 2015 15:30 (30 minutes)

Presenter: SHIMA, Tatsushi

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

The ADMX-HF experiment

Contribution ID: 86

Type: not specified

The ADMX-HF experiment

Tuesday 2 June 2015 15:00 (30 minutes)

Presenter: SHOKAIR, Timothy
Session Classification: Dark Matter

Status of the Double Chooz exper \cdots

Contribution ID: 87

Type: not specified

Status of the Double Chooz experiment

Tuesday 2 June 2015 16:10 (20 minutes)

Presenter: SIBILLE, Valerian

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Neutrinoless double beta decay w $\,\cdots\,$

Contribution ID: 88

Type: not specified

Neutrinoless double beta decay with left and right-handed currents revisited

Thursday 4 June 2015 14:30 (30 minutes)

Presenter: SIMKOVIC, Fedor **Session Classification:** Double Beta Decay

The AMoRE experiment: A search \cdots

Contribution ID: 89

Type: not specified

The AMoRE experiment: A search for neutrinoless double beta decay of 100Mo

Wednesday 3 June 2015 17:00 (20 minutes)

Presenter: SO, JunghoSession Classification: Double Beta Decay

Spin responses in nuclear weak p $\,\cdots\,$

Contribution ID: 90

Type: not specified

Spin responses in nuclear weak processes and nucleosynthesis

Tuesday 2 June 2015 10:30 (30 minutes)

Presenter: SUZUKI, Toshio

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Recent results from XMASS

Contribution ID: 91

Type: not specified

Recent results from XMASS

Thursday 4 June 2015 08:30 (30 minutes)

Presenter: SUZUKI, Yoichiro Session Classification: Dark Matter

Nuclear response and gamma-...

Contribution ID: 92

Type: not specified

Nuclear response and gamma-emissivity studied by proton inelastic scattering

Wednesday 3 June 2015 15:30 (30 minutes)

Presenter: TAMII, Atsushi

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Status and perspectives of the CO $\,\cdots\,$

Contribution ID: 93

Type: not specified

Status and perspectives of the COBRA double beta decay experiment

Wednesday 3 June 2015 18:20 (20 minutes)

Presenter: TEBRÜGGE, Jan **Session Classification:** Double Beta Decay

Variational study of the equation ...

Contribution ID: 94

Type: not specified

Variational study of the equation of state for hyperonic neutron stars

Wednesday 3 June 2015 17:30 (20 minutes)

Presenter: TOGASHI, Hajime

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Search for double beta processes i …

Contribution ID: 95

Type: not specified

Search for double beta processes in 106Cd and 116Cd with enriched 106CdWO4 and 116CdWO4 crystal scintillators

Monday 1 June 2015 17:00 (30 minutes)

Presenter: TRETYAK, Vladimir

Session Classification: Neutrino Experiments, Methods and Facilities

Double Gamow-Teller resonances ···

Contribution ID: 96

Type: not specified

Double Gamow-Teller resonances –the other side of double beta decays

Wednesday 3 June 2015 16:30 (30 minutes)

Presenter: UESAKA, TomohiroSession Classification: Double Beta Decay

Self-interacting dark matter and a \cdots

Contribution ID: 97

Type: not specified

Self-interacting dark matter and a light scalar mediator

Presenter: VASKONEN, Ville

Direct dark matter hunt

Contribution ID: 98

Type: not specified

Direct dark matter hunt

Thursday 4 June 2015 10:30 (30 minutes)

Presenter: VERGADOS, Ioannis Session Classification: Dark Matter

Solar models and neutrinos: A qu $\,\cdots\,$

Contribution ID: 99

Type: not specified

Solar models and neutrinos: A quantitative analysis of the solar abundance problem

Friday 5 June 2015 10:20 (30 minutes)

Presenter: VILLANTE, Francesco

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Formal and interdisciplinary aspe

Contribution ID: 100

Type: not specified

Formal and interdisciplinary aspects of neutrino flavour conversion in astrophysical environments

Tuesday 2 June 2015 10:00 (30 minutes)

Presenter: VOLPE, Cristina

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Neutrino and dark matter physics ···

Contribution ID: 101

Type: not specified

Neutrino and dark matter physics with sub-keV Germanium detectors

Tuesday 2 June 2015 15:30 (30 minutes)

Presenter: WONG, Henry T. **Session Classification:** Dark Matter

On the role of eV-sterile neutrinos ···

Contribution ID: 102

Type: not specified

On the role of eV-sterile neutrinos in core-collapse supernovae

Tuesday 2 June 2015 14:30 (30 minutes)

Presenter: WU, Meng-Ru

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Experimental searches for eV- \cdots

Contribution ID: 103

Type: not specified

Experimental searches for eV-scale sterile neutrinos

Tuesday 2 June 2015 15:00 (30 minutes)

Presenter: WURM, Michael

Session Classification: Supernova and Solar neutrinos, Neutrino Oscillations

Neutrino-nucleus scattering at su ····

Contribution ID: 104

Type: not specified

Neutrino-nucleus scattering at supernova energies

Wednesday 3 June 2015 17:50 (20 minutes)

Presenter: YDREFORS, Emanuel

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

LBNO-DEMO (WA105): a large d …

Contribution ID: 106

Type: not specified

LBNO-DEMO (WA105): a large demonstrator of the liquid Argon double phase TPC

Wednesday 3 June 2015 18:10 (20 minutes)

Presenter: LOO, Kai

Session Classification: Neutrinos in Nucleosynthesis and Astrophysics

Symposium photo

Contribution ID: 107

Type: not specified

Symposium photo

Monday 1 June 2015 10:50 (10 minutes)

Session Classification: Symposium Photo

City Reception

Contribution ID: 108

Type: not specified

City Reception

Tuesday 2 June 2015 18:00 (1 hour)

Session Classification: Reception at City Hall

Boat Cruise and Dinner

Contribution ID: 109

Type: not specified

Boat Cruise and Dinner

Thursday 4 June 2015 16:15 (5h 45m)

Session Classification: Boat Cruise & Dinner

ANDES - The first deep undergro ...

Contribution ID: 110

Type: not specified

ANDES - The first deep underground laboratory of the southern hemisphere

Monday 1 June 2015 19:00 (30 minutes)

Presenter: CIVITARESE, Osvaldo

Session Classification: Evening seminar session

Natural radioactivity in the salt c $\,\cdots\,$

Contribution ID: 111

Type: not specified

Natural radioactivity in the salt cavern of Polkowice-Sieroszowice copper mine

Monday 1 June 2015 19:30 (30 minutes)

Presenter: POLACZEK-GRELIK, Kinga

Session Classification: Evening seminar session

What is so special about the Pyhä ...

Contribution ID: 112

Type: not specified

What is so special about the Pyhäsalmi mine?

Wednesday 3 June 2015 19:00 (30 minutes)

Presenter: TRZASKA, Wladyslaw

Session Classification: Evening seminar session