

IDATEN Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening Talk (ZOOM)

Wednesday, 6 July 2022 09:00 (5 minutes)

Presenter: WATANABE, Hiroshi (RIKEN(RIKEN-Wako))

Contribution ID: 55

Type: **not specified**

The competition between the T=0 and the T=1 coupled states in ^{96}Cd : lifetime measurement in the N=Z nucleus with known excited states

Wednesday, 6 July 2022 09:55 (12 minutes)

Presenter: DAS, Biswarup (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: 100Sn Region - I

Contribution ID: 56

Type: **not specified**

Spin-gap isomer study in the N=Z-1 nucleus ^{95}Cd

Wednesday, 6 July 2022 10:07 (12 minutes)

Session Classification: 100Sn Region - I

Contribution ID: 57

Type: **not specified**

Evolution of seniority breaking in Silver isotopes near doubly magic nuclides

Wednesday, 6 July 2022 10:19 (12 minutes)

Presenter: KIM, Yung Hee (GANIL)

Session Classification: 100Sn Region - I

Contribution ID: 58

Type: **not specified**

New Measurements of M1 and E2 transition strengths below 100Sn

Wednesday, 6 July 2022 10:31 (12 minutes)

Presenter: PARK, Joochun (Jason) (Center for Exotic Nuclear Studies, IBS)

Session Classification: 100Sn Region - I

Contribution ID: 59

Type: **not specified**

Investigation of shell structure and shape evolution in $^{102,104}\text{Sn}$ with IDATEN

Wednesday, 6 July 2022 11:15 (12 minutes)

Presenter: PARK, Joochun (Jason) (Center for Exotic Nuclear Studies, IBS)

Session Classification: 100Sn Region - II

Contribution ID: **60**

Type: **not specified**

Core-breaking effects in ^{100}Sn : lifetime measurements in ^{101}Sn

Wednesday, 6 July 2022 11:27 (12 minutes)

Presenter: MENGONI, Daniele (University of Padova)

Session Classification: ^{100}Sn Region - II

Contribution ID: **61**

Type: **not specified**

Lifetime measurement of the $5/2^+$ state in ^{101}Sn populated by alpha decay of ^{105}Te

Wednesday, 6 July 2022 11:39 (12 minutes)

Session Classification: ^{100}Sn Region - II

Contribution ID: 62

Type: **not specified**

Study of spin-flip core-excitations towards ^{100}Sn by lifetimes of "L-forbidden" M1 transitions

Wednesday, 6 July 2022 11:51 (12 minutes)

Presenter: BLAZHEV, Andrey (IKP, Univ. Cologne)

Session Classification: ^{100}Sn Region - II

Contribution ID: 63

Type: **not specified**

Nuclear structure study below ^{132}Sn by lifetime measurement of excited states

Wednesday, 6 July 2022 14:00 (12 minutes)

Presenter: WATANABE, Hiroshi (RIKEN(RIKEN-Wako))

Session Classification: 132 Sn region

Contribution ID: 64

Type: **not specified**

Investigation of the structure of odd-A Cd isotopes

Wednesday, 6 July 2022 14:12 (12 minutes)

Presenter: FRAILE, Luis Mario (Universidad Complutense(UCOM))

Session Classification: 132 Sn region

Contribution ID: 65

Type: **not specified**

Exploring the neutron shell evolution around ^{132}Sn with fast-timing lifetime measurement

Wednesday, 6 July 2022 14:24 (12 minutes)

Session Classification: ^{132}Sn region

Contribution ID: 66

Type: **not specified**

Measurement of excited-state lifetimes in ^{130}Cd

Wednesday, 6 July 2022 14:36 (12 minutes)

Presenter: JUNGCLAUS, Andrea (CSIC)

Session Classification: ^{132}Sn region

Contribution ID: 67

Type: **not specified**

Lifetime measurements of the $5/2^+$ states in ^{133}Sb and ^{135}I

Wednesday, 6 July 2022 14:48 (12 minutes)

Session Classification: 132 Sn region

Contribution ID: **68**

Type: **not specified**

Seniority nature in nuclei beyond ^{132}Sn

Wednesday, 6 July 2022 15:00 (12 minutes)

Presenter: MOON, Byul (Institute for Basic Science(IBS-Korea))

Session Classification: ^{132}Sn region

Contribution ID: 69

Type: **not specified**

Evolution of collectivity beyond ^{132}Sn

Wednesday, 6 July 2022 15:12 (12 minutes)

Presenter: LOZEVA, Radomira

Session Classification: ^{132}Sn region

Contribution ID: 70

Type: **not specified**

$^{12}\text{C}+^{12}\text{C}$ fusion rates from resonances at astrophysical energies

Wednesday, 6 July 2022 15:24 (12 minutes)

Session Classification: Light mass region

Contribution ID: 71

Type: **not specified**

Emergence of collectivity in $75,77\text{Cu}$

Thursday, 7 July 2022 09:00 (12 minutes)

Presenter: SAHIN, Eda (University of Oslo, Oslo, Norway)

Session Classification: 78 Ni region

Contribution ID: 72

Type: **not specified**

The lifetime of low-lying states in the $N = 49$ isotones, ^{81}Ge and ^{83}Se

Thursday, 7 July 2022 09:12 (12 minutes)

Presenter: AHN, Sunghoon (Center for Exotic Nuclear Studies)

Session Classification: 78 Ni region

Contribution ID: 73

Type: **not specified**

Search of isomeric states in odd-A, neutron-rich nuclei with $N = 48, 49$

Thursday, 7 July 2022 09:24 (12 minutes)

Presenter: MUKHERJEE, Gopal (VECC, Kolkata)

Session Classification: 78 Ni region

Contribution ID: 77

Type: **not specified**

Locating the center of the N=40 Island of Inversion

Thursday, 7 July 2022 09:36 (12 minutes)

Presenter: OLAIZOLA, Bruno (CERN)

Session Classification: Around N=40

Contribution ID: 78

Type: **not specified**

Shape coexistence at $N=40$

Thursday, 7 July 2022 09:48 (12 minutes)

Presenter: WIMMER, Kathrin (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Around $N=40$

Contribution ID: 79

Type: **not specified**

Decay spectroscopy of neutron-rich $A = 55, 56, 57$ isobars relevant to Urca cooling process in the neutron star crust

Thursday, 7 July 2022 10:00 (12 minutes)

Presenter: WATANABE, Hiroshi (RIKEN(RIKEN-Wako))

Session Classification: Around $N=40$

Contribution ID: **80**

Type: **not specified**

Nuclear shape of ^{108}Zr

Thursday, 7 July 2022 10:45 (12 minutes)

Presenter: MOON, Byul (Institute for Basic Science(IBS-Korea))

Session Classification: Mid-shell region-I

Contribution ID: **81**

Type: **not specified**

Lifetime of excited states in ^{108}Zr

Thursday, 7 July 2022 10:57 (12 minutes)

Session Classification: Mid-shell region-I

Contribution ID: 82

Type: **not specified**

Lifetime measurement for excited states in $^{100,102}\text{Sr}$: Systematic study for shape coexistence over N=60 region

Thursday, 7 July 2022 11:09 (12 minutes)

Session Classification: Mid-shell region-I

Contribution ID: 83

Type: **not specified**

Exploring Intertwined Quantum Phase Transition in Zr isotopes with Lifetime measurement

Thursday, 7 July 2022 11:21 (12 minutes)

Session Classification: Mid-shell region-I

Contribution ID: **84**

Type: **not specified**

Lifetime measurements of the low-lying states in 88,90,92,94Se isotopes

Thursday, 7 July 2022 11:33 (12 minutes)

Presenter: ZENG, Qi (East China University of Technology,China)

Session Classification: Mid-shell region-I

Contribution ID: 85

Type: **not specified**

Lifetime measurements of the first 3- states in 144,146,148Ce

Thursday, 7 July 2022 14:00 (20 minutes)

Presenter: DING, Bing

Session Classification: Mid-shell region-II

Contribution ID: 86

Type: **not specified**

Study of electric dipole moments in reflection-asymmetric Ba isotopes

Thursday, 7 July 2022 14:20 (12 minutes)

Presenter: WATANABE, Hiroshi (RIKEN(RIKEN-Wako))

Session Classification: Mid-shell region-II

Contribution ID: 87

Type: **not specified**

Evolution of octupole characteristics in mass 150 region

Thursday, 7 July 2022 14:32 (12 minutes)

Session Classification: Mid-shell region-II

Contribution ID: 88

Type: **not specified**

Test of B(E2) strengths vs. low E(2+) energies in neutron-rich Nd isotopes

Thursday, 7 July 2022 14:44 (12 minutes)

Presenter: WERNER, Volker (TU Darmstadt)

Session Classification: Mid-shell region-II

Contribution ID: 89

Type: **not specified**

**Study on the shape evolution of the deformed
even-even Nd and Sm isotopes with $N = 96, 98$ using
lifetime measurement for first 2^+ states**

Friday, 8 July 2022 09:00 (12 minutes)

Session Classification: Mid-shell region-III

Contribution ID: 90

Type: **not specified**

Study of shape evolution in Z~60 nuclei

Friday, 8 July 2022 09:12 (12 minutes)

Presenter: IDEGUCHI, Eiji (CNS, University of Tokyo)

Session Classification: Mid-shell region-III

Contribution ID: 91

Type: **not specified**

Study of the deformation pattern in the highly-deformed rare-earth region

Friday, 8 July 2022 09:24 (12 minutes)

Presenter: PASCU, Sorin (University of Surrey)

Session Classification: Mid-shell region-III

Contribution ID: 92

Type: **not specified**

**First 2+ state lifetime measurements for the
neutron-rich Yb and Er isotopes: a quest for strong
deformation around $N = 110$**

Friday, 8 July 2022 09:36 (12 minutes)

Session Classification: Mid-shell region-III

Contribution ID: 93

Type: **not specified**

Study of the prolate-oblate shape transition in the neutron-rich heavy-mass region

Friday, 8 July 2022 10:20 (12 minutes)

Presenter: PASCU, Sorin (University of Surrey)

Session Classification: Heavy mass region

Contribution ID: 94

Type: **not specified**

Half-life of the yrast 2^+ state in ^{190}W

Friday, 8 July 2022 10:32 (12 minutes)

Session Classification: Heavy mass region

Contribution ID: 95

Type: **not specified**

Exploring nuclear structure beyond $N=126$

Friday, 8 July 2022 10:44 (12 minutes)

Presenter: GOTTARDO, Andrea (Laboratori Nazionali di Legnaro, Istituto Nazionale di Fisica Nucleare)

Session Classification: Heavy mass region

Contribution ID: 96

Type: **not specified**

Seniority breaking in n-rich isotopes beyond 208Pb

Friday, 8 July 2022 10:56 (12 minutes)

Presenter: LOZEVA, Radomira (CNRS)

Session Classification: Heavy mass region

Contribution ID: 97

Type: **not specified**

Lifetime measurements of the low-lying states in ^{212}Pb , ^{214}Pb , ^{216}Pb

Friday, 8 July 2022 11:08 (12 minutes)

Presenter: LIU, zhong (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: Heavy mass region

Contribution ID: 98

Type: **not specified**

Lifetime measurements of the low-lying states in ^{216}Th

Friday, 8 July 2022 11:20 (12 minutes)

Presenter: LIU, zhong (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: Heavy mass region

Contribution ID: 99

Type: **not specified**

Lifetime measurements in the south-east frontier of the actinide island of octupole deformation and beyond

Friday, 8 July 2022 11:32 (12 minutes)

Presenter: MORALES LOPEZ, Ana Isabel (Università degli Studi di Milano - INFN Milano)

Session Classification: Heavy mass region

Contribution ID: **100**

Type: **not specified**

BigRIPS

Wednesday, 6 July 2022 09:05 (20 minutes)

Presenter: FUKUDA, Naoki (RIKEN Nishina Center)

Contribution ID: **101**

Type: **not specified**

Decay experiments at RIBF

Wednesday, 6 July 2022 09:25 (20 minutes)

Presenter: NISHIMURA, Shunji (RIKEN)

Contribution ID: **102**

Type: **not specified**

IDATEN array

Wednesday, 6 July 2022 09:45 (10 minutes)

Presenter: MOON, Byul (Institute for Basic Science(IBS-Korea))