Session Program

21–29 Jul 2022



15th International Conference on Nuclear Data for Science and Technology (ND2022)

Mass/Strucure/Decay

Gather.Town

Thursday 28 July

06:00

Mass/Strucure/Decay: I

Session | **Location:** Capitol | **Convener:** Karsten Kossert

06:00–06:24
Total Absorption Spectroscopy of fission fragments relevant for reactor antineutrino spectra and nuclear structure and astrophysics

Speaker
Magali Estienne

06:24–06:36 **Results and interpretations of isomeric yield ratios measured at the IGISOL facility**

Speaker
Mr Zhihao Gao

06:36–06:48
Proton-neutron interaction studies via accurate mass measurements at the outskirts of the nuclear chart

Speaker
Israel Mardor

06:48–07:00 **Nuclear structure data obtained by the $(n_{th}, 2\gamma)$ reaction**

Speaker
Nikola Jovancevic

07:00–07:12
Isomer discovery and studies in the vicinity of ^{100}Sn by the means of high-resolution mass spectrometry at the FRS Ion Catcher

Speaker
Daler Amanbayev

07:30

07:50

Mass/Strucure/Decay: II

Session | **Location:** Capitol | **Convener:** Nikola Jovancevic

07:50–08:02 **β-delayed neutron spectroscopy of ^{85}As with MONSTER**

Speaker
Alberto Pérez de Rada Fiol

08:02–08:14
Study of decay properties for Ce to Nd nuclei (A~160) relevant for the formation of the r-process rare-earth peak

Speaker
Max Pallàs Solís

08:14–08:26 **Evolution of collectivity in ^{126,128}Xe studied in Coulomb excitation measurements**

Speaker
Stanimir Kisyov

08:26–08:38

Improved current measurements for ionization chambers using the ULCA: A benchmark experiment to determine the 18F half-life

Speaker
Dr Ole Jens Nähle

09:20

09:40

Mass/Strucure/Decay: III

Session | **Location:** Capitol | **Convener:** Muriel Fallot

09:40–10:04 **Liquid scintillation counting: A valuable tool to determine half-lives**

Speaker
Dr Karsten Kossert

10:04–10:16

Half-life determination of long-lived hard-to-measure isotopes: examples 53-Mn and 93-Mo

Speaker
Dorothea Schumann

10:16–10:28 **A new approach to precisely measure gamma-ray intensities for long-lived fission products**

Speaker
Nicholas Scielzo

10:28–10:40 **First measurements with new high resolution neutron detector NEXT.**

Speaker
Shree Neupane

10:40–10:52

Re-measurement of the ^{146}Sm and ^{147}Sm half-lives using high resolution 4π microcalorimeters

Speaker
Alexander Kavner

11:10