

Session Program

23-27 Oct 2017



LASNPA & WONP-NURT 2017

Parallel Sessions - NUC

Havana, Cuba

Colegio Universitario San Gerónimo de La Habana Obispo street, 10200 Old Havana, Havana, Cuba.

Monday 23 October

13:30

Parallel Sessions - NUC

Session | Location: Room "Benigno Souza" | Convener: Prof. Lidia Ferreira

13:30-13:55

${}^7\text{Be}(p,\gamma){}^8\text{B}$: how EFT and Bayesian analysis can improve a reaction calculation

Speaker

Daniel Phillips

13:55-14:20

Shape coexistence phenomena in $A \sim 70$ rp-process nuclei within a beyond-mean-field approach

Speaker

Prof. Alexandrina Petrovici

14:20-14:45

β -decay of ${}^{77,75}\text{Ni}$

Speaker

Frank Leonel Bello Garrote

14:45

15:00

Parallel Sessions - NUC

Session | Location: Room "Benigno Souza" | Convener: Daniel Phillips

15:00-15:25

Systematic CDCC calculations of total fusion for ${}^6\text{Li}$ with targets ${}^{28}\text{Si}$, ${}^{59}\text{Co}$, ${}^{96}\text{Zr}$, ${}^{144}\text{Sm}$ and ${}^{209}\text{Bi}$. Effect of resonance states

Speaker

Arturo Gómez Camacho

15:25-15:50

Microscopic description of low-lying properties in ${}^{168-178}\text{Yb}$ nuclei by the pseudo-SU(3) shell model

Speaker

Dr Carlos Ernesto Vargas Madrazo

15:50-16:15

Elastic scattering of ${}^9\text{Be} + {}^{80}\text{Se}$ and the breakup threshold anomaly

Speaker

Dr Daniel Abriola

16:15

Tuesday 24 October

08:30

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Dimitra Pierroutsakou

08:30–09:00

Preliminary results on Se64 beta decay experiment at RIKEN Nishina Center and Mirror Symmetry

Speaker

Pablo Aguilera Jorquera

09:00–09:30

High-resolution gamma-ray spectroscopy at LNL with GALILEO: commissioning campaign and first results

Speaker

Mr Daniele Mengoni

09:30–10:00

The role of pairing in heavy-ion induced transfer reactions

Speaker

Manuela Cavallaro

10:00

10:30

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Nilberto Medina

10:30–11:00

The EXOTIC project at INFN-LNL

Speaker

D. Pierroutsakou

11:00–11:30

Exotic light nuclei; The structure of ^{12}C and the mirror states of ^9Be | ^9B

Speaker

Dr Daniel José Marín-Lámbarri

11:30–12:00

Study of reactions involving weakly-bound nuclei

Speaker

Leandro Gasques

12:00

13:30

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Oscar Naviliat-Cuncic

13:30–13:55

Alpha-transfer Reaction in Combination with Transient Field Technique and DSAM to Measure Magnetic Moments and Life-Times in ^{110}Sn and ^{106}Cd

Speaker

Fitzgerald Ramírez Moreno

13:55-14:20

Gamma-ray spectroscopy of the heaviest nuclei at the JAEA-Tokai Tandem laboratory, using ^{249}Cf and ^{254}Es targets

Speaker

Dr R. Orlandi

14:45

Wednesday 25 October

13:30

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Leandro Gasques

13:30-13:55

Elastic scattering, inelastic excitation and neutron transfer for ${}^7\text{Li}+{}^{120}\text{Sn}$ at energies around the Coulomb barrier

Speaker

Dr V.A.B. Zagatto

13:55-14:20

Determination of the ${}^6\text{He}$ nuclear radius from the total reaction cross section

Speaker

Dr K.C.C. Pires

14:20-14:45

Clustering structure and possible effects in reaction dynamics forming the ${}^{46}\text{Ti}^*$ nuclear system.

Speaker

Dr F. Gramegna

14:45

15:00

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Alexis Diaz-Torres

15:25-15:50

Double-Folding Model Analysis of Fusion Reaction

Speaker

Dr Marlete Assuncao

15:50-16:15

Possible effects of clustering structure in the competition between fast emission processes and compound nucleus decay

Speaker

D. Fabris

16:15

Thursday 26 October

13:30

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Fabiana Gramegna

13:30-13:55

Understanding the origin of the elements using rare isotopes in the laboratory

Speaker

Fernando Montes

13:55-14:20

High-precision mass measurement programme around the N=82 shell closure with the Penning trap mass spectrometer MLLTRAP at ALTO

Speaker

E. Minaya Ramirez

14:20-14:45

The NUMEN project: Heavy-Ion Double Charge Exchange reactions towards the $0\nu\beta\beta$ NME determination

Speaker

Clementina Agodi

14:45

15:00

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Daniel Abriola

15:00-15:25

Influence of prompt neutron emission on the distribution of charge as a function of the final mass and kinetic energy of fragments from the reaction $^{233}\text{U}(n, f)$

Speaker

Dr Modesto Montoya Zavaleta

15:25-15:50

Exploring the shell structure of exotic Sn isotopes with an Active Target at SPES: the MagicTin project

Speaker

Dr Tommaso Marchi

15:50-16:15

Methodology trends on gamma and electron radiation damage simulations studies in solids under high fluency irradiation environments

Speaker

C. M. Cruz Inclán

16:15

Friday 27 October

13:30

Parallel Sessions - NUC

Session | **Location:** Room "Benigno Souza" | **Convener:** Prof. Moshe Gai

13:30–13:55

Intermediate-energy Coulomb excitation of ^{72}Ni

Speaker

Victor Modamio

13:55–14:20

Intermediate-energy Coulomb excitation of ^{77}Cu

Speaker

Dr Eda Sahin

14:20–14:45

The modeling of reaction cross sections in the production of theranostic radionuclides

Speaker

Luciano Canton

15:35