

LASNPA & WONP-NURT 2017

Monday, 23 October 2017

Parallel Sessions - NUC - Room "Benigno Souza" (13:30 - 14:45)

-Conveners: Lidia Ferreira

| time | [id] title | presenter |
|-------|---|--------------------------------|
| 13:30 | [19] ${}^7\text{Be}(p,\gamma){}^8\text{B}$: how EFT and Bayesian analysis can improve a reaction calculation | PHILLIPS, Daniel |
| 13:55 | [25] Shape coexistence phenomena in $A \sim 70$ rp-process nuclei within a beyond-mean-field approach | Prof. PETROVICI, Alexandrina |
| 14:20 | [102] β -decay of ${}^{77,75}\text{Ni}$ | BELLO GARROTE, Frank Leonel |

Parallel Sessions - NUC - Room "Benigno Souza" (15:00 - 16:15)

-Conveners: Daniel Phillips

| time | [id] title | presenter |
|-------|---|--------------------------------------|
| 15:00 | [114] 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 | GÓMEZ CAMACHO, Arturo |
| 15:25 | [211] Microscopic description of low-lying properties in ${}^{168-178}\text{Yb}$ nuclei by the pseudo-SU(3) shell model | Dr VARGAS MADRAZO, Carlos Ernesto |
| 15:50 | [162] Elastic scattering of ${}^9\text{Be} + {}^{80}\text{Se}$ and the breakup threshold anomaly | Dr ABRIOLA, Daniel |

Tuesday, 24 October 2017

Parallel Sessions - NUC - Room "Benigno Souza" (08:30 - 10:00)

-Conveners: Dimitra Pierroutsakou

| time | [id] title | presenter |
|-------|--|--------------------------|
| 08:30 | [177] Preliminary results on Se64 beta decay experiment at RIKEN Nishina Center and Mirror Symmetry | AGUILERA JORQUERA, Pablo |
| 09:00 | [150] High-resolution gamma-ray spectroscopy at LNL with GALILEO: commissioning campaign and first results | Mr MENGONI, Daniele |
| 09:30 | [159] The role of pairing in heavy-ion induced transfer reactions | CAVALLARO, Manuela |

Parallel Sessions - NUC - Room "Benigno Souza" (10:30 - 12:00)

-Conveners: Nilberto Medina

| time | [id] title | presenter |
|-------|---|---------------------------------|
| 10:30 | [176] The EXOTIC project at INFN-LNL | PIERROUTSAKOU, D. |
| 11:00 | [172] Exotic light nuclei; The structure of ^{12}C and the mirror states of ^9Be ^9B | Dr MARÍN-LÁMBARRI , Daniel José |
| 11:30 | [288] Study of reactions involving weakly-bound nuclei | GASQUES, Leandro |

Parallel Sessions - NUC - Room "Benigno Souza" (13:30 - 14:45)

-Conveners: Oscar Naviliat-Cuncic

| time | [id] title | presenter |
|-------|---|----------------------------|
| 13:30 | [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 | RAMÍREZ MORENO, Fitzgerald |
| 13:55 | [71] Gamma-ray spectroscopy of the heaviest nuclei at the JAEA-Tokai Tandem laboratory, using ^{249}Cf and ^{254}Es targets | Dr ORLANDI, R. |

Wednesday, 25 October 2017

Parallel Sessions - NUC - Room "Benigno Souza" (13:30 - 14:45)

-Conveners: Leandro Gasques

| time | [id] title | presenter |
|-------|---|--------------------|
| 13:30 | [23] Elastic scattering, inelastic excitation and neutron transfer for ${}^7\text{Li}+{}^{120}\text{Sn}$ at energies around the Coulomb barrier | Dr ZAGATTO, V.A.B. |
| 13:55 | [47] Determination of the ${}^6\text{He}$ nuclear radius from the total reaction cross section | Dr PIRES, K.C.C. |
| 14:20 | [78] Clustering structure and possible effects in reaction dynamics forming the ${}^{46}\text{Ti}^*$ nuclear system. | Dr GRAMEGNA, F. |

Parallel Sessions - NUC - Room "Benigno Souza" (15:00 - 16:15)

-Conveners: Alexis Diaz-Torres

| time | [id] title | presenter |
|-------|---|----------------------|
| 15:25 | [181] Double-Folding Model Analysis of Fusion Reaction | Dr ASSUNCAO, Marlete |
| 15:50 | [84] Possible effects of clustering structure in the competition between fast emission processes and compound nucleus decay | FABRIS, D. |

Thursday, 26 October 2017

Parallel Sessions - NUC - Room "Benigno Souza" (13:30 - 14:45)

-Conveners: Fabiana Gramegna

| time | [id] title | presenter |
|-------|--|--------------------|
| 13:30 | [286] Understanding the origin of the elements using rare isotopes in the laboratory | MONTES, Fernando |
| 13:55 | [88] High-precision mass measurement programme around the N=82 shell closure with the Penning trap mass spectrometer MLLTRAP at ALTO | MINAYA RAMIREZ, E. |
| 14:20 | [174] The NUMEN project: Heavy-Ion Double Charge Exchange reactions towards the $0\nu\beta\beta$ NME determination | AGODI, Clementina |

Parallel Sessions - NUC - Room "Benigno Souza" (15:00 - 16:15)

-Conveners: Daniel Abriola

| time | [id] title | presenter |
|-------|--|----------------------------|
| 15:00 | [37] 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 $^{233}\text{U}(n, f)$ | Dr MONTOYA ZAVALA, Modesto |
| 15:25 | [146] Exploring the shell structure of exotic Sn isotopes with an Active Target at SPES: the MagicTin project | Dr MARCHI, Tommaso |
| 15:50 | [280] Methodology trends on gamma and electron radiation damage simulations studies in solids under high fluency irradiation environments | CRUZ INCLÁN, C. M. |

Friday, 27 October 2017

Parallel Sessions - NUC - Room "Benigno Souza" (13:30 - 15:35)

-Conveners: Moshe Gai

| time | [id] title | presenter |
|-------|---|-----------------|
| 13:30 | [131] Intermediate-energy Coulomb excitation of ^{72}Ni | MODAMIO, Victor |
| 13:55 | [194] Intermediate-energy Coulomb excitation of ^{77}Cu | Dr SAHIN, Eda |
| 14:20 | [36] The modeling of reaction cross sections in the production of theranostic radionuclides | CANTON, Luciano |