



# XIV CPAN DAYS

## Wednesday 23 November 2022

### Red FNUC (Red Temática de Física Nuclear) (15:00-17:00)

| time  | [id] title   | presenter                  |
|-------|--|----------------------------|
| 15:00 | [691] Neutrino-induced single pion production in nuclei  | GARCÍA-MARCOS, Javier      |
| 15:20 | [692] Beta decay of $^{64,66}\text{Ga}$ : Total Absorption Spectroscopy and Isospin Mixing                 | PARRA AEDO, Selene Bárbara |
| 15:40 | [693] Primera datación por $^{14}\text{C}$ con CARBONUS en la Universidad de Salamanca                     | RODRÍGUEZ ÁLVAREZ, Anxo    |
| 16:00 | [694] First full $\beta$ -strength measurement with DTAS across $N=126$ at FAIR PHASE-0                    | RODRIGUEZ GARCIA, David    |
| 16:20 | [695] MARS: Modular Apparatus for nuclear Reactions Spectrometry   | GARRIDO GÓMEZ, Lucas       |
| 16:40 | [696] Probing the structure of $^8\text{Be}$ through the Beta decay of $^8\text{B}$ : An R-Matrix analysis | FERNANDEZ RUIZ, Daniel     |

### Red FNUC (Red Temática de Física Nuclear): Sesión conjunta con Investigación Orientada. (17:30-19:30)

| time  | [id] title   | presenter                                 |
|-------|--|---|
| 17:30 | [697] Monte Carlo simulations for proton beams: A test of nuclear models   | DE LA TORRE GONZÁLEZ, Juan Alejandro      |
| 17:50 | [698] Accurate and practical Scatter Correction in PET with Ultra-fast Monte Carlo   | GALVE LAHOZ, Pablo                        |
| 18:10 | [699] Proton-induced cross sections of $^{11}\text{C}$ , $^{13}\text{N}$ , $^{15}\text{O}$ , $^{12}\text{N}$ , $^{38}\text{mK}$ and $^{15}\text{O}$ for PET-based range verification | RODRÍGUEZ GONZÁLEZ, M <sup>a</sup> Teresa |
| 18:30 | [700] Radiotrazadores para el estudio de Ecosistemas Marinos y Oceanicos: REMO   | NACHER, Enrique                           |
| 18:50 | [701] LETd calculations with the Monte Carlo Code PENH   | PUERTA MEGÍAS, Daniel                     |
| 19:10 | [704] Estudio de viabilidad para la medida de reacciones nucleares en fuentes de neutrones impulsadas por láser  | GUERRERO, Carlos                          |

# Thursday 24 November 2022

## Red FNUC (Red Temática de Física Nuclear) (09:00-11:30)

| time  | [id] title   | presenter                    |
|-------|--|------------------------------|
| 09:00 | [703] Scattering of $^{15}\text{C}$ on $^{208}\text{Pb}$ at energies near the Coulomb barrier  | GARCÍA TÁVORA, Vicente       |
| 09:20 | [702] Investigating the production of medical imaging radioisotopes using laser-accelerated protons                                    | BENLLIURE, Jose              |
| 09:40 | [705] Study of multi-nucleon knockout reactions of exotic nuclei in the region of Sn   | FEIJOO FONTÁN, Martina       |
| 10:00 | [706] Simulating the deuteron with Machine Learning  | ROZALÉN SARMIENTO, Javier    |
| 10:20 | [707] Exploring the potential $\gamma\gamma$ -decay to constrain $0\nu\beta\beta$ -decay NMEs  | ROMEO ZARAGOZANO, Beatriz    |
| 10:40 | [708] Optimization of the number of states in the Generator Coordinate Method  | MARTÍNEZ-LARRAZ TORRA, Jaime |
| 11:00 | [729] $^{50,53}\text{Cr}$ (n, $\gamma$ ) cross section measurement at nTOF@CERN  | Mr. PÉREZ MAROTO, Pablo      |
| 11:15 | [709] Caracterización de la cápsula A005 en el criostato de test mediante el escaneado experimental con fuentes puntuales y simulación | GONZÁLEZ BRIZ, Gala          |