



# L International Meeting on Fundamental Physics and XV CPAN days

## Monday 2 October 2023

### CPAN - Red Temática de Física Nuclear (FNUC): Bloque 1 - Aula Biblioteca (15:00 - 17:00)

time	[id] title	presenter
15:00	[122] 50Cr(n, $\gamma$ ) cross section measurement at CNA@HISPANOS	PEREZ MAROTO, Pablo
15:15	[123] Characterization of non-metalized SiC detectors using the IBIC technique	TORRES MUÑOZ, Carmen
15:30	[44] Thermal behavior of hyperons in binary neutron star merger remnants	KOCHANKOVSKI, Hristijan
15:45	[45] Symmetries in Neural Quantum States	Mr ROZALÉN SARMIENTO, Javier
16:00	[70] Optimización del proceso de caracterización de una cápsula de AGATA en el sistema SALSA mediante simulación	GONZÁLEZ BRIZ, Gala
16:15	[47] Neutron TOF measurements with MONSTER: from $\beta$ -decay to $(\alpha, n)$ reactions and beyond	Dr PÉREZ DE RADA FIOL, Alberto
16:30	[48] Shape coexistence and superdeformation in Si-28	FRYCZ, Dorian
16:45	[49] The first miniTrasgo Cosmic Ray detector	NOT SUPPLIED, Cayetano Soneira Landín

### CPAN - Red Temática de Física Nuclear (FNUC): Bloque 2 - Aula Biblioteca (17:30 - 19:30)

time	[id] title	presenter
17:30	[50] Preliminary results of the characterisation of the n_TOF-EAR2 facility at CERN	PAVON RODRIGUEZ, Jose Antonio
17:45	[53] First full $\beta$ -strength measurement with DTAS across N=126 at FAIR PHASE-0	Mr RODRÍGUEZ GARCÍA, DAVID
18:00	[59] Transfer reactions to the continuum involving exotic nuclei	PUNTA DE LA HERRÁN, Pedro
18:15	[60] Solid $^3\text{He}$ target for nuclear reactions: differential cross-section of H+ $^3\text{He}$ elastic scattering from 0.8 to 4.5 MeV	FERRER FERNANDEZ, FRANCISCO JAVIER
18:30	[62] New half-lives and $\beta$ -delayed neutron branchings for neutron-rich Ba to Nd nuclei ( $A \sim 160$ ) relevant for the formation of the r-process rare-earth peak	PALLAS I SOLIS, Max
18:45	[61] Beta decay of $^{64-66}\text{Ge}$ and $^{64-66}\text{Ga}$ : Total Absorption Spectroscopy	PARRA AEDO, Selene Barbara
19:00	[64] Spectrometry of cosmic-rays neutrons with HENSA++: project status and future developments	QUERO BALLESTEROS, Álvaro Jesús
19:15	[66] Recent developments and perspectives for key stellar (n, $\gamma$ ) measurements at the CERN n_TOF facility	LERENDEGUI MARCO, Jorge

## Tuesday 3 October 2023

### CPAN - Red Temática de Física Nuclear (FNUC): Bloque 3 - Aula Biblioteca (09:00 - 11:10)

time	[id] title	presenter
09:00	[68] Measurement of the $^{27}\text{Al}(\alpha,n)^{30}\text{P}$ thick target yields and differential cross-sections at CMAM using the miniBELEN neutron counter	MONT GELI, Nil
09:15	[69] Measurement and monitoring of neutron flux using CLYC and He-3 detectors at Laboratorio Subterráneo de Canfranc	PLAZA DEL OLMO, Julio
09:30	[73] Optimization of imaging techniques for background suppression of stellar Nucleo-Synthesis reactions with i-TED	GAMEIRO, Bernardo
09:45	[76] Status of and perspectives for the study of ( $\alpha$ ,n) reactions at CNA HISPANOS by means of activation and time-of-flight	GUERRERO SANCHEZ, Carlos
10:00	[119] WASA-FRS HypHI Experiment: Study of light hypernuclei at GSI-FAIR	ESCRIG LÓPEZ, Samuel
10:15	[80] A high resolution $\gamma$ -ray imaging spectrometer for radioactive waste characterization	BABIANO SUAREZ, Víctor
10:30	[85] Analytical solutions of the Bohr Hamiltonian with the sextic oscillator: Pt-Os isotopes	BAID, SAMIRA
10:45	[93] The smooth out of shape coexistence around Z=40	MAYA BARBECHO, Esperanza
11:00	[121] NUPECC: Long range plan y el survey de la física nuclear	GÓMEZ-CAMACHO, J