

Session Program

5-8 Sept 2023

IBER 2023

Poster Session

Department of Physics, University of Coimbra
R. Larga, 3004-516 Coimbra, Portugal

Wednesday 6 September

18:35

Poster Session

Poster Session | **Location:** Department of Physics, University of Coimbra, R. Larga, 3004-516 Coimbra, Portugal

Development of organic scintillators for neutron detection

Speaker

Mr João Luciano Amorim Azevedo

Optimization of a drone-mounted gamma scintillation detector for radiation mapping, surveillance and search operations

Speaker

Joaquim M F Dos Santos

Lipid monolayers as membrane models for cancer and infection: a synergic in-vitro/in-silico study

Speaker

Paula Antelo Riveiro

DIRAC-FOCK CALCULATIONS OF AUGER SPECTRUM IN Au: IMPACT ON SENSITIZED RADIOTHERAPY WITH NANOPARTICLES

Speakers

Mr Fábio Carmo, Prof. Jorge Sampaio

On the Determination of Lipid Monolayer Langmuir Isotherms via Molecular Dynamics. Too big of a stretch?

Speaker

ALEXANDRE BLANCO-GONZALEZ

High-wavenumber compressive Raman spectroscopy: a faster tool for melanoma diagnosis.

Speaker

Dr Pedro Vaz

C5N– in collision with He: rotational transitions in the ISM

Speaker

Lola Gonzalez Sanchez

Gas-phase reaction of 2-methyl-2-pentenal with Cl atoms: kinetic and product study

Speakers

José Albaladejo Pérez, Elena Jiménez Martínez

Extreme-ultra-violet emission of W ions with open 4f-shell

Speaker

Filipe Grilo

Simulating interstellar temperatures in the laboratory to study the gas-phase OH+NH₂CHO reaction

Speaker

Sara Espinosa Gómez

Atmospheric impact of hydrofluoroethers (HFEs) at a global scale: Can HFEs contribute to the global warming?**Speaker**

Elena Jiménez Martínez

MICROSOLVATION OF α -PINENE OXIDE AS OBSERVED BY BROADBAND ROTATIONAL SPECTROSCOPY**Speakers**

C. CABEZAS, E.M. NEEMAN, I. Peña, J. R MORAN, N. OSSEIRAN, S. COLLIGNON, T.R. HUET, W. Li

Laser-induced breakdown spectroscopy as a sorting tool for high quality recycled wood chips in industrial environment**Speaker**

Dr Diana Guimarães

Evaluation of matrix effects on Formalin Fixed Paraffin Embedded tissue samples using μ -EDXRF**Speaker**

Maria Luísa Carvalho

A Gas Proportional Scintillation Counter with annular geometry**Speaker**

Pedro A O C Silva

Application of WLS fibers for xenon scintillation readout**Speaker**

Ana Isabel

Neutral bremsstrahlung emission spectrum in argon**Speaker**

Dr Carlos Henriques

Ultra-Thin Converter Layers for Gas Based Neutron Position Detectors**Speaker**

Fernando Amaro

Probing molecular dynamics using ultrafast XUV transient spectroscopy**Speaker**

S. Marggi-Poullain

New insights on the non-adiabatic dynamics of the ultrafast photodissociation of the methyl iodide cation**Speaker**

Sonia Marggi-Poullain

Molybdenum disulfide coated gold nanostructures for biosensing using SERS**Speaker**

Beatriz Sousa

Dynamics of the photodissociation of methylamine: H and CH₃ displacement channels

Speaker

Prof. Luis Bañares

Comparison of the photodissociation dynamics of alkyl nitrites in the A and B absorption bands**Speaker**

Prof. Luis Bañares

Photodissociation dynamics and alignment of CH₂BrI in the third absorption band at 193 nm**Speaker**

Prof. Luis Bañares

Investigating Heavy Metal Elemental Distribution in Zebrafish (Danio Rerio)**Speaker**

Ana Silva

X-ray Imaging with GEM-based detectors using Single-Pixel Imaging techniques**Speaker**

André Cortez

Strong Field QED Analysis With Bayesian Model Selection for He-Like Ions**Speaker**

Mr César Godinho

The Innovative PISA Concept in Medical Imaging**Speaker**

Mr R. D. P. Mano

Study of gaseous argon scintillation in the 160-650 nm range**Speaker**

Mrs Joana Maria Rodrigues Teixeira

Absolute primary scintillation yield in Xe for electrons and alpha particles**Speaker**

Ms J. M. R. Teixeira

NEXT - An international network for Nonlinear Extreme ultraviolet to hard X-ray Techniques**Speaker**

Prof. Wojciech Gawelda

Unveiling the molecular conformation of 2-(2-pyridyl)benzo[b]thiophene using jet-cooled rotational spectroscopy**Speaker**

DOMINGO HERAS ELVIRA Not Supplied

Water-Induced Energy Reordering of the Equilibrium States in an Imine-Based Molecular Switch**Speaker**

Nuno Campos

Chemical characterization of microplastics by small-spot Energy Dispersive X-ray Fluorescence

Speaker

Ignasi Queralt

Exploring Chemical Pathways in Molecular Clouds: Unraveling CS Chemistry through CH + S, CS + H, and C2 + S Reactions**Speaker**

Niyazi Bulut

The Raman spectrum of diacetyl revisited**Speaker**

Dr José M. Fernández

A computational study of the mode of action of the DAD photoswitch in the NaV1.5 channel**Speaker**

Lucía López Pacios

Unveiling the photosensitivity mechanisms of UVB filter PABA**Speaker**

Julia Arnanz Sebastián

Magnetic resonance spectroscopy and imaging in the CASPER dark matter experiment**Speaker**

Ophir Ruimi

Molecular Dynamics Simulations Shed Light on Antimicrobial Peptide Interactions with COVID-19 Altered Membranes**Speaker**

ALEJANDRO SECO-GONZALEZ

First-principles computations on guest-host (lattice) systems: He inclusion in hydrates**Speaker**

Dr Rita Prosmi

19:35