

Session Program

23-27 Oct 2017



LASNPA & WONP-NURT 2017

Poster Session - NAT

Havana, Cuba

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

Tuesday 24 October

15:00

Poster Session - NAT

Poster Session | **Location:** Room "Fernando Portuondo" | **Conveners:**
Juan Estevez, Oscar Diaz-Rizo, Prof. Piet Van Espen

Ionizing Radiation Effects in Electronic Devices

Speaker

Marcilei Aparecida Guazzelli

The extended source efficiency correction to measure norm concentrations using a HPGe detector

Speaker

Mrs Luz Anny Pamela Ochoa Parra

Energetic and structural properties of fullerenes under irradiation processes

Speaker

Rafael E. Sosa Ricardo

Study of Cr-39 detectors

Speaker

Dr K. C. C. Pires

Sentaurus simulation of 3N163 Mosfet to study heavy ions effects

Speaker

Dr Marcilei Aparecida Guazzelli

Synthesis of polymeric nanogels by gamma radiation: influence of total absorbed dose

Speaker

Y. Aguilera

Development of a semi-empirical method to determine the efficiency of a gamma radiation detector for point sources

Speaker

Mr Pablo Ortiz-Ramírez

Simulation of a coaxial HPGe detector using FLUKA code

Speaker

Mr Pablo Ortiz-Ramírez

Testing the intrinsic spatial efficiency method for homogeneous and without matrix sources using MC simulation

Speaker

Pablo Ortiz-Ramírez

Verification of the external irradiation process for the LF02 automated luminescence reader

Speaker

L. Baly

Determination of the natural dose rate in samples of geological interest**Speaker**

H. Lubian

Irradiated quartz for beta source calibration**Speaker**

T. Cepero

Age determination of sediments by quartz OSL dating technique**Speaker**

I. Quesada

Synthesis and characterization of pH and temperature responsible poly(2-hydroxyethyl methacrylate-co-acrylamide) hydrogels by gamma photon irradiation. Doxorubicin release.**Speaker**

Manuel Rapado Paneque

Methodology for labeling silica sand with ^{99m}Tc for using as solid radiotracer**Speaker**

Luis Enrique Llanes Montesino

The Electrical Point Charges Model: application boundaries for Electrical Field Gradient calculations at nuclei sites in disordered ^{57}Fe doped ZnO matrixes**Speaker**

C. M. Cruz Inclán

Development of alternative XRD patterns evaluation methods and their applications for crystalline structure evaluations of ferroelectric $\text{PbZr}_{0.53}\text{Ti}_{0.47}\text{O}_3$ doped with La (1%) ceramics samples under ^{60}Co gamma irradiation**Speakers**

E. L. Mendoza Caballero, C. M. Cruz Inclán

16:15

Wednesday 25 October

15:00

Poster Session - NAT

Poster Session | **Location:** Room "Fernando Portuondo" | **Conveners:**
Oscar Díaz-Rizo, Juan Estevez, Prof. Piet Van Espen

Assessment of radiological monitoring network well location through back trajectories

Speaker

Prof. Anel Hernández-Garces

New stage on the neutronics and thermal hydraulics analysis of a Small Modular Reactor core

Speaker

Mariana Cecilia Betancourt

Neutronics Analysis of a Small PWR using TRISO fuel particles with MCNPX

Speaker

Annie Ortiz Puentes

Procedure to improve the Quality Management System of the Chemical and Materials Analysis laboratories of CEADEN

Speaker

Débora Hernández Torres

X-ray fluorescence analysis of sediments from Mampostón reservoir (Mayabeque, Cuba)

Speakers

Rayner Hernández Pérez, Oscar Díaz Rizo

Spatial distribution and contamination assessment of heavy metals in street dust from Camagüey city (Cuba) using X-ray fluorescence

Speakers

Oscar Díaz Rizo, César García Trápaga

Radioactivity levels in peloids used in main Cuban spas

Speakers

Oscar Díaz Rizo, Katia D'Alessandro Rodríguez

The role of aluminium chloride in the Fischer-Hafner synthesis of technetium and rhenium bisarenes

Speaker

Manuel Alejandro Cardosa-Gutiérrez

Chemical composition of PM10 collected indoor at workshop areas in a factory located in Santa Clara

Speaker

Yennier Cruz Bermúdez

Determination of the soil water content using the Neutron Backscattering Technique for explosive devices location

Speaker
D Bautista-Sánchez

Chemical and mineralogical characterization of the cupola slag generated in the "9 de Abril" smelter of Sagua la Grande

Speaker
Leidys Laura Pérez González

Oil samples analysis using X-ray fluorescence

Speaker
Dr K.C.C. Pires

Radiolabeling of anti-tumoral peptide for in vivo studies in animal models

Speaker
Naila Gómez González

Theoretical evaluation losartan derivatives as ^{18}F -labeled radiopharmaceutical candidates for cancer diagnosis

Speaker
A. García Fleitas

Radiocarbon marine reservoir effect. Regional offset for the Northwest coast of Cuba

Speaker
M. Diaz

The new version of the Sequence-Toolkit software package

Speaker
C. M. Ferras

16:15