

## **Session Program**

**23-27 Oct 2017**



**LASNPA & WONP-NURT 2017**

***Poster Session - NUC***

Havana, Cuba

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

## Tuesday 24 October

15:00

### Poster Session - NUC

**Poster Session** | **Location:** Room "Bens Arrate" | **Conveners:** Leandro Gasques, Alinka Lepine-Szily

#### Electron and gamma radiation damage assessments on composite YBCO - Nano/C samples

**Speakers**

Jorge Luis Valdés Albuenres, Carlos M. Cruz Inclán

#### Effects of vacancies on atom displacement threshold energies calculation through Molecular Dynamic Methods in BaTiO<sub>3</sub>

**Speaker**

C. M. Cruz Inclán

#### Fission modes $^{248}\text{Cf}$ , $^{254}\text{Fm}$ and $^{260}\text{No}$ in the reactions $^{22}\text{Ne} + ^{232}\text{Th}$ , $^{238}\text{U}$ ; $^{16}\text{O} + ^{238}\text{U}$ , $^{232}\text{Th}$

**Speaker**

K. B. Gikal

#### Upgrading algorithm of the Monte Carlo Simulation of Atom Displacements (MCSAD) induced in solids under high fluency electron and gamma irradiation environments

**Speaker**

Arturo Rodriguez Rodriguez

#### Study of light-particle multiplicities in p + non-fissionable nuclei events in the 0.5 - 2 GeV energy range

**Speaker**

Mrs Dania Consuegra Rodríguez

#### Study of the $^8\text{Li}$ elastic scattering at low energies

**Speaker**

Mr O. C. B. Santos

#### A hybrid linear-discontinuous spectro-nodal method for one-group unidimensional fixed source discrete ordinates problems with isotropic source

**Speaker**

Rivas-Ortiz Iram B.

#### Thermo-hydraulic study using CFD from the core of a Pebble Bed Reactor (HTR-10)

**Speaker**

Yaisel Córdova Chávez

#### Contribution of nuclear reactions in the production of heavy elements: Analysis in a supernovae environment

**Speaker**

Mr Jose Trujillo

#### A surface Coalescence model

**Speaker**

Ms Ailec Bell Hechavarria

**Gamow-Teller  $\beta^+$  decay properties of A=98 isobars near  $^{100}\text{Sn}$  doubly magic core****Speaker**

Nadjat LAOUET

 **$\beta^+$  decay properties of A=100 isotopes****Speaker**

Fatima Benrachi

**Stopping power cross section of Hf and Pd for protons and alpha particles in the energy range between 0.3 and 2.5 MeV****Speaker**

Dr Javier Wachter

**Cross sections measurements for the  $^{13}\text{C}(n, \gamma)^{14}\text{C}$  and  $^{14}\text{N}(n, p)^{14}\text{C}$  nuclear reactions using the accelerator mass spectrometry technique****Speaker**

Jorge Garcia Ramirez

**Towards the measurement of the cross section of the  $^{13}\text{C}(d,p)^{14}\text{C}$  nuclear reaction using AMS****Speaker**

Silvia Murillo-Morales

**Calculation of induced gamma atom displacement in solids considering nonhomogeneous threshold displacement energies****Speaker**

Arturo Rodriguez Rodriguez

16:15