



IX Jornadas de Física y Matemáticas

2 - 6 de marzo de 2015

XI International Symposium on Radiation Physics

March 4 - 6, 2015

Program

Wednesday, March 4

8:00-8:45	Registration	
8:45-9:00	Opening	
9:00-9:45	Floyd McDaniel. "Improvement in the photocurrent collection due to enhanced absorption of light in samples by synthesizing staggered layers of silver nanocluster in silicon"	López
9:45-10:30	María Elena Montero-Cabrera. "Application of X-ray absorption fine structure (XAFS) to local order analysis in inorganic materials"	
10:30-10:45	Coffee break	
10:45-11:30	Luis Felipe Desdín. "Crystal defects influence in the fast electron backscattering"	Espinosa
11:30-12:00	Eduardo Florencio Herrera Peraza. "methodology for efficiency calibration of a coaxial germanium gamma detector using Monte Carlo method"	
12:00-12:30	Luis Basurto. "Electronic structure and charge transfer states of a multichromophoric heptad antenna"	
12:30-12:45	Nayeli Palomino Aquino. "Radiolysis of poly adenilic acid adsorbed in a clay mineral"	
12:45-1:00	Isaí Castillo Sandoval. "Light in the Darkening on Naica Gypsum Crystals"	

1:15-2:30	Lunch	
2:30-3:00	Laszlo Sajo-Bohus. "Th and u fuel photofission study by ntd for ad-msr subcritical assembly"	Enríquez
3:00-3:30	José Ignacio Jiménez Mier y Terán. "Presence of cr+ at the surface and in the bulk of crf2 confirmed by soft x-ray absorption and resonant inelastic x-ray scattering"	
3:30-3:45	Iván Jalil Antón Carreño Márquez. "Characterisation of gypsum crystals exposed to a high co2 concentration fog using x-ray diffraction"	
3:45-4:00	Daniel Alberto Garcia Calderón. "Preparation of graphite targets from gaseous samples for 14C-AMS analysis"	
4:00-4:15	Coffee break	
4:15-4:45	Jacob Urquidi. "The development of new radiation protocols for insect sterilization using long wavelength X-rays"	Montero
4:45-5:00	Yosi Venegas Argumedo. "True coincidence summing corrections for an extended energy range HPGe detector"	
5:00-5:30	Guillermo Espinosa. "Neutron detection of the Triga Mark III reactor, using Nuclear Track Methodology"	
5:30-5:50	Transportation to Welcome Cocktail	
6:00-8:00	Welcome Cocktail at Plaza de la Mexicanidad	

NOTE: All presentations will be held at building H1, room 102.

8:00-9:00	Registration	McDaniel
9:00-9:45	Roberto Bedogni. "New instruments for real time neutron spectrometry from thermal energies to GeV"	
9:45-10:30	Javier Miranda. "X-Ray Fluorescence Analysis of Mexican Varieties of Dried Chili Peppers II: commercial and home-grown specimens"	
10:30-10:45	Coffee break	
10:45-11:15	Carlos Vázquez. "Monte Carlo calculations and experiments for radon detection in conical diffusion chambers"	Chávez
11:15-11:45	José Manuel Ortíz Rodríguez. "NSDann, a neutron spectrum unfolding code based on artificial neural networks technology"	
11:45-12:15	Guillermo Espinosa. "Study of neutron from a dense plasma focus PACO instrument by means of nuclear tracks detectors"	
12:15-12:30	Victoria Isabel Araujo. " ²⁶ Al production. the Allende meteorite (Chihuahua) stellar nucleosynthesis and solar models"	
12:30-12:45	Octavio Alonso Lara Lima. "Determination of radon in water through liquid scintillation counting practice implementation"	
12:45-1:00	Diana Rodríguez Cerillo. "Stratigraphy Modelling through Environmental Gamma Radiation Intensity Measurements in Granjas Neighborhood, Chihuahua, Chihuahua, Mexico"	
1:00-1:15	María T. Barrera. "Thermal and fast neutrón measurements by PADC detectors in LINAC radiotherapy treatments-field"	

1:15-2:30	Lunch	
2:30-3:15	Jørgen Randrup. "Event-by-Event Fission"	Sajo
3:15-4:00	Efraín Chavez Lomeli. "Tagged fast neutrons: neutrographies and string theory"	
4:00-4:15	Coffee break	
4:15-4:45	Alicia Negrón Mendoza. "Gamma irradiation of isocitric and citric acids in aqueous solution. Relevance in prebiotic chemistry"	Miranda
4:45-5:15	José Manuel Ortíz Rodríguez. "Test and validation of the neutron spectra unfolding code nsduaz"	
5:15-5:45	Rafael Policroniades. "Implementation of PIGE technique at ININ"	
5:45-6:00	José Francisco Favela Pérez. "Study of the ⁴⁰ Ar(d,n) ⁴¹ K nuclear reaction below the Coulomb Barrier"	
6:00-6:15	Pierre Giovanni Mani González. "The extra peak in the Si 2p X-ray photemission spectrum of Si [001] and relation with other semiconductors core levels"	
6:15-6:45	DFR general assembly	

8:00-9:00	Registration	
9:00-9:45	Alex De Lozanne. "Materials characterization with scanning probe microscopes"	Aranda
9:45-10:30	Miguel Castro Colin. "GISAXS study of Au-coated light-induced polymer gratings"	
10:30-10:45	Coffee break	
10:45-11:15	Sergio Yanuén Rodríguez. "experimental and theoretical study of semiconducting clathrates "	Urquidí
11:15-11:45	Yolanda Vásquez. "self-assembly as a method to generate bio-inspired photonic materials"	
11:45-12:15	Sara M. Gaytán. "high purity niobium manufactured by electron beam melting for super conductor applications"	
12:15-12:45	Mario F. Borunda. "searching for the needles in a molecular haystack: computational assessment of organic photovoltaic candidate compounds"	
12:45-1:15	Jorge A. Muñoz. "synergistic combination of inelastic neutron scattering and nuclear-resonant inelastic x-ray scattering to acquire phonons"	
1:15-2:30	Lunch	
2:30-3:15	Cristian E. Botez. "High temperature phase transitions in superprotonic solid acids Csh2PO4 and RbH2PO4"	De Lozanne
3:15-4:00	Ramón Ravelo. "the limits of strength in defect-free crystals"	
4:00-4:15	Coffee break	
4:15-4:45	Alán Dávila. "Jet characterization in Au + Au collisions at STAR"	Randrup
4:45-5:45	Alfredo Aranda. "KEK at Colima: physics at the intensity frontier"	
5:45-6:00	Event closing	

