

International Conference on Accelerators for Research and Sustainable Development: from good practices towards socioeconomic impact

Tuesday, 24 May 2022

Poster Session: Poster Session (1) - Vienna, Austria (14:00 - 15:30)

time	[id] title	presenter
14:00	[225] Supervisor Watchdog Circuit for Monitoring Accelerator Beam Properties and Controlling the Safety Interlock System	Ms STEBLEVSKA, Iveta
14:00	[153] ORGANIC CARBON CYCLING AND STABILIZATION IN PADDY SOILS PROBED BY FE K-EDGE X-RAY ABSORPTION SPECTROSCOPY	Ms GIANNETTA , Beatrice
14:00	[203] Yorktown Thorium Energy Amplifier	Mr GANAPATI , Myneni
14:00	[167] THE EFFECTS OF STERILIZATION IRRADIATION ON PROPERTIES OF COMMERCIALY AVAILABLE PET MATERIALS USED IN THE PRODUCTION OF VACUUM TUBES FOR BLOOD SAMPLING	Dr SHARAPOVA, Valentina
14:00	[178] MODELLING OF THE RADIATION AND SHIELDING AT THE SOUTH AFRICAN ISOTOPE FACILITY USING FLUKA	BARNARD, Adriaan Hugo
14:00	[160] THE ZAP-X IS THE FUTURE OF STEREOTACTIC RADIOSURGERY – VAULT FREE AND COBALT FREE	IVATURI, Sai Kashyap
14:00	[112] UTILIZATION OF 30MEV DAE MEDICAL CYCLOTRON FOR PRODUCTION OF MEDICALLY USEFUL RADIOISOTOPES AND CORRESPONDING RADIOPHARMACEUTICALS	Mr MUKHERJEE, Pradip
14:00	[164] Neutron induced fission cross section measurement of 241-Americium at the n_TOF facility	Ms ELEME, Zinovia
14:00	[202] Comparative analysis of socio-economic impact in two particle accelerator case studies	Mrs UTERMANN, Sonia
14:00	[130] MODIFICATION OF MAGNETIC PROPERTIES IN LUTETIUM-IRON GARNET CAUSED BY HEAVY ION IRRADIATION	HARII, Kazuya
14:00	[68] Radiation ISODOSE measurements inside interaction chamber during the commissioning experiments of the CETAL Facility. Gas target case.	Dr STANCU, Elena
14:00	[161] Neutron Induced Fission Studies at NCSR "Demokritos" by the NTUA	Dr MICHALOPOULOU, Veatriki
14:00	[168] Neutron Induced Fission Studies at the CERN n_TOF facility	DIAKAKI, Maria
14:00	[149] COMPACT LINAC BASED NEUTRON GENERATOR	Dr KULEVOY, Timur
14:00	[128] CNA: USER-ORIENTED ACCELERATOR FACILITY DEDICATED TO INTERDISCIPLINARY RESEARCH IN SPAIN	LOPEZ-GUTIERREZ, Jose Maria
14:00	[99] Measurement of ${}^9\text{Be}({}^3\text{He},\pi){}^{11}\text{B}$ Nuclear Reaction Cross Sections at energy range 0.5–2.35 MeV	CATARINO, Norberto
14:00	[144] PROGRESS IN ELECTRON BEAM INDUCED GRAFTING FOR DEVELOPMENT OF ION CONDUCTING MEMBRANES FOR POLYMER ELECTROLYTE FUEL CELLS IN MALAYSIA	NASEF, Mohamed

14:00	[55] DEVELOPMENT AND APPLICATION OF INDICATORS FOR THE ASSESSMENT OF RADIATION SAFETY SYSTEMS IN RADIOPHARMACEUTICALS PRODUCTION FACILITIES WITH CYCLOTRON	MAGGIOLO, Ayelén
14:00	[65] Real-Time Beam Control with an In-Situ FPGA-Based Neutral Net to Study Deep Inelastic Scattering Process in Liquid Argon Based Neutrino Experiments	Ms LANCE, Cameo
14:00	[51] Siberian circular source of photons	CHURKIN, Igor
14:00	[39] Current development status of the linac-based BNCT device of the iBNCT Tsukuba Project	Prof. KUMADA, Hiroaki
14:00	[57] REGULATORY FRAMEWORK ADOPTED BY THE NUCLEAR REGULATORY AUTHORITY OF ARGENTINA FOR THE LICENSING OF THE ARGENTINE CENTER OF PROTON THERAPY AND PROGRESS ACHIEVED	RABI, German
14:00	[34] Measurement of Excitation Functions of Proton-Induced Nuclear Reactions on Dy-nat	ČERVENÁK, JAROSLAV
14:00	[87] Developmental work on economic production of high and low specific activity ⁶⁴ Cu – suitable for preclinical studies using accelerator neutrons	GOPALAKRISHNA, Arjun
14:00	[53] AN OPTIMIZED PERIODIC MAINTENANCE PLANNER FOR A COMMERCIAL MEDICAL CYCLOTRON FACILITY	Mr KOTTUPARAMBAN, Dilshad
14:00	[46] Preliminary Design for a Cyclotron Extraction Beam Line and External Target for Producing Gallium-68 & Technetium-99m Isotopes: a Developing Countries Scenario	SALAS TAPIA, Luis Fernando Prof. ECHEVERRI ECHEVERRI, Luis Fernando
14:00	[194] Comparison of the gamma radiation and electron beam effect on medical Ultra-high molecular weight polyethylene is polyolefin	ABDELREHIM, Hassan
14:00	[9] APPLICATION OF NEUTRON AND RADIATION BEAMS TO THE ASSESSMENT OF RESIDUAL STRESSES FIELDS INDUCED IN METALLIC MATERIALS BY LASER SHOCK COMPRESSION	OCAÑA, JOSE LUIS
14:00	[156] MOBILE FACILITY FOR GAMMA-ACTIVATION ANALYSIS OF GOLD ORES	Dr GOSTILO, Vladimirs
14:00	[22] ELECTRON BEAM CROSSLINKING OF PE/NG NANOCOMPOSITE FOR SOLAR COLLECTOR APPLICATIONS	Dr AKHAVAN AGHGHALEH, Azam Prof. KAZEMINEJAD, Hossein
14:00	[127] EFFECTS OF THERMAL TREATMENTS ON THE CREATION OF SPIN DEFECTS IN HEXAGONAL BORON NITRIDE	Dr YAMAZAKI, Yuichi
14:00	[17] Developing Radiation Treatment Methodologies for Decontamination for First Use of Personal Protective Equipment (PPE) using Tunisian Electron Beam Accelerator	MEJRI, Arbi
14:00	[12] LOW AND HIGH ENERGY ION IRRADIATION ON STRUCTURAL AND OTHER PROPERTIES OF CUBIC ZIRCONIA AND CERIA: FROM THE PERSPECTIVE OF NUCLEAR ENERGY MATERIAL	Prof. GHOSH, Santanu
14:00	[170] TOWARDS DETECTION AND IDENTIFICATION OF LEAD IN AEROSOL SAMPLES COLLECTED IN AN URBAN AREA IN AMMAN, JORDAN	Dr SA'ADEH, Hanan
14:00	[100] EFFECT OF SWIFT HEAVY ION IRRADIATION ON THE OPTICAL PROPERTIES OF ION IMPLANTED POLYETHYLENE TEREPHTHALATE	MBOUKAM, Jean Jules
14:00	[113] ION BEAM STUDIES OF DEUTERIUM RETENTION IN HIGH ENTROPY ALLOYS AND W TARGETS IN THE PF-1000U FACILITY	Dr MATEUS, Rodrigo
14:00	[36] LOW ENERGY S-BAND ELECTRON LINEAR ACCELERATOR(S) DEVELOPMENT FOR RESEARCH AND APPLICATIONS HAVING SOCIO-ECONOMIC IMPACT	KHAN, Muhammad Asif

14:00	[90] CLUSTER ION EMISSION FROM C 2 H 2 AND C 2 H 6 ICES INDUCED BY 252 CF FISSION FRAGMENTS	OLIVEIRA, Pablo Ramón
14:00	[21] RADIOSENSITIVITY OF TWO LENS CULINARIS MEDIKUS SUBSP. CULINARIS VARIETIES TO ELECTRON BEAM IRRADIATION	Dr MEJRI, SONIA
14:00	[41] VENTILATION AIR SYSTEM ISSUE AT THE UNIVERSITY OF COSTA RICA'S CYCLOTRON FACILITY	Mr CORRALES-CORRALES, Ernesto
14:00	[188] NEAR at n_TOF/CERN: The first multi-foil activation measurement	STAMATI, Elisso
14:00	[48] Feerix, a novel Irradiation Platform for R&D, Education and Training	KUNTZ, Florent
14:00	[13] Shielding considerations of a bunker to be taken into account by the regulatory body for authorization purposes: Case study of radiotherapy center in MALI.	Mr DICKO, Aly Ag Mohamed
14:00	[143] REVIEW OF 20 YEARS OF INDUSTRIAL APPLICATIONS OF ION BEAM AND RADIATION TECHNIQUES	POPA-SIMIL, Liviu
14:00	[11] Possibility of Using Sludge from Drinking Water Treatment Plant as Fertilizer in Agriculture after E-beam Treatment: Effects of aging	VUJCIC, Ivica
14:00	[172] PERFORMANCE COMPARISON OF METHODS FOR THE DETECTION OF 10Be AT THE HELSINKI AMS FACILITY	GONSALVES, Basil
14:00	[30] Determination of the effectiveness and control of food irradiation process with a low-energy electron beam	GRYCZKA, Urszula
14:00	[97] Synthesis and irradiation effects on CrNbTaVWx high entropy alloys	DIAS, Marta
14:00	[89] ACCELERATOR-BASED QUANTIFICATION AND DEPTH PROFILING OF HYDROGEN ISOTOPES AND IMPURITY ATOMS IN WALL MATERIALS FROM CONTROLLED FUSION DEVICES	DITTRICH, Laura
14:00	[120] Development and applications of the dual-beam ion irradiation facility for fusion materials (DiFU) at RBI, Zagreb	DUNATOV, Toni
14:00	[14] Concrete and stainless steel activation/decay heat data for the IFMIF-DONES Test Cell components	STANKUNAS, Gediminas
14:00	[16] THE RIANBOW ION-SOLID INTERACTION POTENTIAL	Dr PETROVIĆ, Srdjan
14:00	[122] ARTIFICIAL NEURAL NETWORKS AND ION BEAMS FOR 3D IMAGING	Dr CORREGIDOR, Victoria
14:00	[146] ACCELERATORS USE TO ENGINEER NANO-MATERIALS FOR ENERGY	POPA-SIMIL, Liviu
14:00	[63] MULTIPURPOSE ELECTRON BEAM FACILITY IN SLOVAKIA FOR RESEARCH AND INDUSTRIAL APPLICATIONS	Dr SAGATOVA, Andrea
14:00	[28] Socioeconomic Impact of Cyclotrons in King Faisal Specialist Hospitals & Research Centre in Saudi Arabia	Dr ALJAMMAZ, Ibrahim
14:00	[75] THE DEVELOPMENT OF AN EXTERNAL BEAM IRRADIATION SYSTEM FOR MATERIAL ANALYSIS AT THE CYCLOTRON FACILITY IN THAILAND	THONGJERM, Piyanud Mr PORNROONGRUENGCHOK, Weerawat Mr NGAMLAMIAD, Akkapob Dr WONGLEE, Sarinrat Dr BOONSIRICHAI, Kanokporn
14:00	[64] SESAME, a Synchrotron Radiation Facility in the Cradle of History	LAUSI, Andrea
14:00	[62] CONCEPTS AND METHODOLOGY OF THE PARTICLE THERAPY MASTERCLASS (PTMC) FOR CAPACITY BUILDING – PTMC IN GREECE AS A CASE STUDY	Prof. IOANNIDOU, Alexandra

14:00	[66] METHOD FOR DETECTION OF ILLEGAL CIGARETTE BOXES IN IRON ORE CARGO	Dr FULOP, Marko
14:00	[137] EFFECTS OF IONS IRRADIATION ON TIO ₂ NANOPARTICLES: A REVIEW	AHMAD, Ishaq
14:00	[91] GLYCINE BOMBARDMENT BY ALPHA PARTICLE – DESTRUCTION CROSS SECTION DEPENDENCE WITH keV ENERGY AND TEMPERATURE	Dr MARTINEZ, Rafael
14:00	[152] Photodegradation effect of the electron beam irradiated devulcanized natural rubber/polypropylene compound under natural weathering condition	Dr LEE, Tin Sin
14:00	[79] DEGRADATION OF AMINO ACIDS BY MEV IONS	DA COSTA, Cíntia
14:00	[201] SWITCHING IRRADIATION FACILITY IN JORDAN FROM CO-60 TO E-BEAM X-RAY	Mr ETOOM, M.
14:00	[200] THE PROOF-OF-CONCEPT RESULTS: DEVELOPMENT OF HYBRID ELECTRON ACCELERATOR SYSTEM FOR THE TREATMENT OF MARINE DIESEL EXHAUST GASES	Mr TORIMS, Toms
14:00	[61] The potential use of electron beam irradiation to preserve micro-biologically infected Egyptian papyrus	ABDELREHIM, Hassan
14:00	[7] ION BEAMS AND ION-ACCELERATORS FOR BIOLOGY-ORIENTATED APPLICATIONS AND RESEARCHES – CMU PRACTICES	Dr YU, Liangdeng
14:00	[192] A COMPREHENSIVE OVERVIEW OF THE UNIVERSITY OF JORDAN VAN DE GRAAFF ACCELERATOR (JUVAC)	HASAN, Ruba
14:00	[175] Design of the Sweeper Magnets for the High-Power Bombardment Station for Radioisotope Production at iThemba LABS	Dr MIRA, Joele
14:00	[59] Concept and methodology of the Particle Therapy MasterClass	MAMARAS, Aristeidis
14:00	[26] Establishment of the first accelerator-based Infrared free-electron laser facility in Southeast Asia	RIMJAEM, Sakhorn
14:00	[83] ESTABLISHMENT OF THE CYCLOTRON FACILITIES IN BANGLADESH–PRESENT STATUS AND EXPERIENCES	Mr HOSSAIN, Md. Nahid
14:00	[81] Impact pathways for research infrastructures: the case of CMAM-UAM	GARCÍA, Gaston
14:00	[71] How induced activated accelerator parts have an impact on the radiation safety of a proton therapy facility	BERGANS, Niki
14:00	[5] EFFECT OF ELECTRON BEAM IRRADIATION ON THE DEGRADATION OF HYDROXYCHLOROQUINE IN AQUEOUS SOLUTION	Mrs ZAOUAK, Amira

Thursday, 26 May 2022

Poster Session: Poster Session (2) - Same content as Poster Session (1) - Vienna, Austria (14:00 - 15:30)