



27th International Conference on Nuclear Tracks and Radiation Measurements

Strasbourg, August 28th to September 1st, 2017



PROGRAM

(version 18th August 2017)

Sunday 27th August 2017

16h - 18h00	Registration (Hall Institut Le Bel, 4 rue Blaise Pascal Strasbourg)
18 h - 20h00	Welcome Reception

Monday 28th August 2017

08h00 – 09h00	Registration
09h00 - 9h30	Opening address <i>FLORENTZ C.</i> , Vice President Strasbourg University <i>ROY C.</i> , Director IPHC Strasbourg <i>NOURREDDINE A.</i> , President INTS <i>BARILLON B.</i> , Chair of organizing committee
Session 1 : Dosimetry - Life Sciences, Chair : <i>HASHEMI-NEZHAD R.</i> (Australia)	
9h30 - 10h20	Plenary conference 1 : <i>CUCINOTTA F.</i> (USA) Track Structure Models in Cancer and Central Nervous System Risks from Heavy Ions
10h20 - 10h50	Coffee Break + Poster session
Session 2 : Environment and detectors, Chair : <i>BALCAZAR M.</i> (Mexico)	
10h50 - 11h30	Invited talk 1 : <i>BOCHICCHIO F.</i> (Italy) New regulations on protection from radon exposure and related needs about radon concentration measurements
11h30 - 11h50	Talk 2.1 : <i>VLASOVA I.</i> (Russia) <i>Non-destructive analyses of "hot" particles</i>
11h50 - 12h10	Talk 2.2 : <i>PEREIRA J.</i> (Portugal) Type testing of LiF:Mg,Cu,P personal dosimeters for the assessment of Hp(10) and Hp(0.07)
12h10 - 12h30	Talk 2.3 : <i>AKSELROD M.</i> (USA) Latest advances in fluorescent nuclear track detector technology and instrumentation
12h30 - 14h00	Lunch

Session 3 : Nanotechnologies - material modification, Chair : FROMM M. (France)	
14h00 - 14h40	Invited talk 2 : TRAUTMANN C. (Germany) Materials modification and nanostructures produced with GeV heavy ions
14h40 - 15h00	Talk 3.1 : CHAUHAN R.P. (India) Lithium Negative Ion Implantation of CdSe Nanowires: Structural, Optical and Electrical properties
15h00 - 15h20	Talk 3.2 : ZAGORSKIY D. (Russia) Two-component Nanowires: fabrication using etched-track-matrix deposition and investigation of magnetic properties
15h20 - 15h40	Talk 3.3 : SAINT MARTIN G. (Argentina) UV C light radiation effect on nuclear tracks of different ions in polycarbonate
15h40 - 16h10	Coffee Break + Poster session
Parallel session 4.1 : Environment , Chair : WALTHER C. (Germany)	
16h10 - 16h30	Talk 4.1.1 : AIT KACI N. (Algeria) Estimation of dose due to exposure of petroleum industry workers to Naturally Occurring Radioactive Materials (NORM)
16h30 - 16h50	Talk 4.1.2 : YUAN W. (China) Yanshan period of tectonic-mineralizing ages from fission track dating in Hariza-Halongxiuma Cu-Mo ore district, Eastern Kunlun Mountains
16h50 - 17h10	Talk 4.1.3 : RABI R. (Morocco) Study of Radon dispersion in typical dwelling using CFD modeling and resulting radiation doses measured in the respiratory tract
Parallel session 4.2 : Detectors and Methods, Chair : LOUNIS-MOUKRANI Z. (Algeria)	
16h10 - 16h30	Talk 4.2.1 : HASHIZUME T. (Japan) Gamma ray effect for track counting of fluorescent nuclear track detectors
16h30 - 16h50	Talk 4.2.2 : KUMAR A. (India) Dose estimation from exposure to radon, thoron and their progeny concentration in the dwellings of Riasi District of Jammu & Kashmir state, India
16h50 - 17h10	Talk 4.2.3 : MATHIEU L. (France) Development of a gaseous proton-recoil detector for neutron flux measurements between 0.1 and 2 MeV neutron energy
18h00 -	Welcome reception at the Hotel

Tuesday 29th August 2017

Session 5 : Environment dosimetry - life sciences, Chair : VLASOVA I. (Russia)	
8h30 - 9h20	Plenary conference 2 : WALTHER C. (Germany) Nuclear track detection in radioecology: Investigation of hot particles in Chernobyl and Fukushima
9h20 - 9h40	Talk 5.1 : KODAIRA S. (Japan) Radiation dosimetry of α -particle emission from ^{211}At -labeled antibodies in single cells for cancer radioimmunotherapy using CR-39 plastic nuclear track detectors
9h40 - 10h00	Talk 5.2 : TRAINI G. (Italy) Secondary charged fragments tracking for on-line beam range monitoring in Particle Therapy
10h00 - 10h20	Talk 5-3 : GAMBARINI G. (Italy) Study of fluence and dose spatial distributions in phantoms with various shapes exposed to epithermal neutrons for NCT
10h20 - 10h50	Coffee Break + Poster session
Session 6 : Fundamental mechanisms and simulation, Chair : ROZENFELD A. (Australia)	
10h50 - 11h30	Invited talk 3 : FRANCIS Z. (Lebanon) The Geant4-DNA library for numerical simulations in radiobiology
11h30 - 11h50	Talk 6.1 : BALDACCHINO G. (France) Micro- and nanodosimetry of alpha-rays
11h50 - 12h10	Talk 6.2 : VENKATRAMAN P. (India) A strategy for measuring ionization clusters produced by charged particles in nanometer track segments of DNA site
12h10 - 12h30	Talk 6.3 : YAMAUCHI T. (Japan) Distinct step-like changes of G values for the losses of typical functional groups in poly(ethylene terephthalate) along B ion tracks around the detection threshold
Session 7 : Nanotechnologies - material modification, Chair : TRAUTMANN C.(Germany)	
14h00 - 14h40	Invited talk 4 : CHAKARVARTI S.K. (India) Nuclear Tracks in Futuristic Technologies: Some Innovative Novel Applications
14h40 - 15h20	Invited talk 5 : APEL P.. (Russia) Asymmetric track etching : the long-overlooked role of osmotic flow
15h20 - 15h40	Talk 7.1 : FROMM M. (France) A thorough examination of swift ion latent track formation and etching in PADC
15h40 - 16h10	Coffee Break + Poster session
12h30 - 14h00	Lunch

Parallel session 8.1 : Environment and detectors, Chair : BOCHICCHIO F.(Italy)	
16h10 - 16h30	Talk 8.1.1 : MORENO BALTA V. (Spain) Characterization of Rn exhalation in different Spanish soils
16h30 - 16h50	Talk 8.1.2 : MUJAHID S. A. (Pakistan) Measurement of radon exhalation rate and natural radioactivity in the northern areas of Punjab, Pakistan
16h50 - 17h10	Talk 8.1.3 : KANASAKI M. (Japan) Design of the stacked CR-39 energy spectrometer for laser-accelerated protons exceeding 100 MeV from micron-size hydrogen cluster targets
17h10 - 17h30	Talk 8.1.4 : MAULIK A. (India) Comparison of charge response of high threshold PET films of different brands used as high threshold Nuclear Track Detectors.
17h30 - 17h50	Talk 8.1.5 : AIT-ZIANE M. (Algeria) Estimation of radon concentration in air, groundwater and from soil in the Tamanghasset district environment, Algeria
17h50 - 18h10	Talk 8.1.6 : KAKATI R.Kr. (India) <i>Measurement of natural radionuclides and radon exhalation rate of soil samples and its possible correlation with indoor radon concentration in some places of Karbi Anglong district of Assam, India using Gamma ray spectroscopy and can technique method.</i>
Parallel session 8.2 : Dosimetry - life sciences, Chair : ODA K. (Japan)	
16h10 - 16h30	Talk 8.2.1 : MIKOU M. (Morocco) Comparative study of performances of the EPR dosimetry systems with alanine, glucose and table sugar for radiotherapy applications.
16h30 - 16h50	Talk 8.2.2 : LUDWIG N. (France) Study of the radiolysis of aromatic amino acid under ion irradiation
16h50 - 17h10	Talk 8.2.3 : EL AZHAR H. (France) Neutron Dosimetry in High-Energy X-rays Radiotherapy
17h10 - 17h30	Talk 8.2.4 : LARABI K. (Algeria) <i>Characterization and qualification of CRNA eye lens dosimeter</i>
17h30 - 17h50	Talk 8.2.5 : SOLTANI Z. (Iran) Effects of Detector Size and Field Strength Uniformity on ECE Alpha Track Parameters in Mega-size Polycarbonate Image detection Systems
17h50 - 18h10	Talk 8.2.6 : SEKINE M. (Japan) Design of the GAGG scintillator for High Active liquid waste
18h15 -	International Nuclear Track Society Executive Committee meeting

Wednesday 30th August 2017

Session 9 : Detectors and methods in life sciences and Physics, Chair : <i>BENTON E.</i> (USA)	
8h30 - 9h20	Plenary conference 3 : <i>ROZENFELD A.</i> (Australia) Advanced Silicon Detectors for Mini-and Microdosimetry in Contemporary Radiation Therapy
9h20 - 10h00	Invited talk 6 : <i>BAUDOT J.</i> (France) Progress on silicon detectors from high-energy physics for small and large scale systems
9h40 - 10h20	Talk 9.1 : <i>DITLOV V.</i> (Russia) Measurement of the energy spectrum of electrons formed after the muonium decay in a nuclear photoemulsion.
10h20 - 10h40	Talk 9.2 : <i>HASHEMI-NEZHAD R.</i> (Australia) Spatial distribution of natural uranium fission and activation of ²³⁸ U in a subcritical nuclear assembly under 1 GeV deuteron irradiation
10h40 - 11h10	Coffee Break + Poster session
Parallel session 10.1 : Material modifications and detectors, Chair : <i>FONT L.</i> (Spain)	
11h10 - 11h30	Talk 10.1.1 : <i>CHINNASAMY G.</i> (India) Current-voltage characterization of gamma radiation induced graphene oxide
11h30 - 11h50	Talk 10.1.2 : <i>PANCHAL S.</i> (India) Silver ion irradiation effects on selenium nanowires
11h50 - 12h10	Talk 10.1.3 : <i>LU J.</i> (China) A new method for determination Solid State Nuclear Track by the change of the specific heat capacity
12h10 - 12h30	Talk 10.1.4 : <i>BRIONNET P.</i> (France) Characterization of new generation silicon detector: SIRIUS tunnel "Stripy-Pad" detector
Parallel session 10.2 : Detectors and methods, Chair : <i>SOHRABI M.</i> (Iran)	
11h10 - 11h30	Talk 10.2.1 : <i>AHMED A.</i> (UK) GAMBE: thermal neutron detection system based on a sandwich configuration of silicon semiconductor detector coupled with neutron reactive material
11h30 - 11h50	Talk 10.2.2 : <i>BADREDDINE A.</i> (Algeria) Using Phosphorus Pentoxide for characterization of mixed neutron fields
11h50 - 12h10	Talk 10.2.3 : <i>MACHRAFI R.</i> (Canada) Neutron Fields around an Intense Neutron Generator
12h10 - 12h30	Talk 10.2.4 : <i>WILHELM E.</i> (France) Experimental validation of a Monte Carlo framework for high energy X-rays activation studies
12h30 - 14h00	Lunch
14h00 - 1800	Excursion

Thursday 31th August 2017

Session 11 : Nanotechnology from fundamental to applications, Chair : WANG Y. (China)	
8h30 - 9h20	Plenary conference 4 : EBBESEN T. (France) The Alchemy of Vacuum - Hybridizing Light and Matter
9h20 - 10h00	Invited talk 7 : LIU F. (China) Highly selective ionic transport through tuneable subnanometer pores based on nuclear tracks
10h00 - 10h20	Talk 11.1 : KOUWENBERG J. (Netherlands) SIM Super-Resolution Microscopy for individual Alpha Particle Track Measurement using FNTD
9h20 - 10h40	Talk 11.2 : VALLE S. M. (Italy) Study of the radiation produced by therapeutic He, C and O ion beams impinging on a PMMA target for beam range monitoring purpose in Particle Therapy
10h40 - 11h10	Coffee Break + Poster session
Parallel session 12.1 : Nanotechnologies - material modification, Chair : APEL P. (Russia)	
11h10 - 11h30	Talk 12.1.1 : GUPTA R. (India) Modifications in properties of gamma irradiated low dimensional copper wires synthesized via ion track-etch membrane
11h30 - 11h50	Talk 12.1.2 : CHOUDHARY R. (India) Ion implantation induced modifications in electrodeposited cadmium selenide thin films
11h50 - 12h10	Talk 12.1.3 : GOYAL S. (India) Study of the variation in properties of gamma irradiated cadmium telluride nano thin films
12h10 - 12h30	Talk 12.1.4 : KUSUMOTO T. (Japan) Radial electron fluence around ion tracks as a new physical parameter for the detection threshold of PADC using Geant4-DNA toolkit
Parallel session 12.2 : Nuclear physics, Chair : GUO S.L. (China)	
11h10 - 11h30	Talk 12.2.1 : VOSOUGHIAN H. (Iran) Production of Multi-MeV ions from thin foils irradiated by ultrashort laser pulses
11h30 - 11h50	Talk 12.2.2 : RASHED NIZAM Q. (Japan) Total Charge Changing Cross-section for ¹² C at the energy of 30 and 135 MeV/n
11h50 - 12h10	Talk 12.2.3 : ZARUBINA I. (Russia) Exposures of newly reproduced nuclear track emulsion to slow ions
12h10 - 12h30	Talk 12.2.4 : ZHANG D. H. (China) Fragmentation of carbon on elemental targets at 400 A MeV
12h30 - 14h00	Lunch
10h40 - 11h10	Coffee Break + Poster session

Session 13 : Environment and detectors, Chair : <i>CUCINOTTA F.</i> (USA)	
14h00 - 14h50	Plenary conference 5 : <i>TOKONAMI S.</i> (Japan) Thyroid equivalent doses for evacuees from Fukushima nuclear accident
14h50 - 15h10	Talk 13.1 : <i>BENTON E.</i> (USA) Portable, Low-cost Proportional Counters for Space, Atmospheric and Ground based Applications
15h10 - 15h30	Talk 13.2 : <i>PRESSYANOV D.</i> (Bulgaria) Passive radon monitors with part-time sensitivity to radon
15h30 - 16h00	Coffee Break + Poster session
Parallel session 14 : Detectors and methods, Chair : <i>SAINT MARTIN G.</i> (Argentina)	
16h00 - 16h40	Invited talk 8 : <i>SOHRABI M.</i> (Iran) Breakthrough in 4π Panorama Ionology in Plasma Focus Devices for Mechanisms Understanding and Advanced Applications
16h40 - 17h00	Talk 14.1 : <i>GIACOMETTI V.</i> (Italy) Characterization of secondary neutrons for the MONDO experiment by means of FLUKA simulations
17h00 - 17h20	Talk 14.2 : <i>BHADANE M.S.</i> (India) Development of Thermal Neutron Detector based on Europium Oxide (EO) Phosphor
17h20 - 17h30	History of ICNTRM , <i>BALCAZAR M.</i> (Mexico)
17h30 - 19h30	INTS General Assembly
20h30 - 23h00	Banquet

Friday 1st September 2017

Session 15 : Astro and nuclear physic, Chair : <i>CHAKARVARTI S.K.</i> (India)	
8h30 - 9h20	Plenary conference 6 : <i>SCHUTZ Y.</i> (France) Resolved and open questions in heavy ion physics at LHC : the ALICE perspective
9h20 - 10h00	Invited talk 9 : <i>FONT L.</i> (Spain) Very High Energy Gamma-ray astronomy with Cherenkov Telescopes
10h00 - 10h20	Talk 15.1 : <i>GUO S.L.</i> (China) Determination of number and diameter of superheated droplets in bubble detectors (BD) of type T-12 by irradiation with high-energy heavy ions ⁵⁶ Fe, ⁸⁴ Kr and ¹³² Xe at accelerator
10h20 - 10h40	Talk 15.2 : <i>ZARUBIN P.</i> (Russia) Dissociation of light relativistic nuclei in nuclear track emulsion (some highlights and prospects)
10h40 - 11h00	Coffee Break + Poster session
Parallel session 16 : Environment and detectors, Chair : <i>TOKONAMI S.</i> (Japan)	
11h00 - 11h40	Invited talk 10 : <i>YASUDA N.</i> (Japan) Some aspects on radioecology after TEPCO-Fukushima Daiichi Nuclear Accident in 2011.
11h40 - 12h00	Talk 16.1 : <i>MARCATILI S.</i> (France) Fast diamond detectors for beam tagging applications in hadrontherapy.
12h00 - 12h20	Talk 16.2 : <i>BALCAZAR M.</i> (Mexico) Permeation and faults location in geothermal studies through radon distribution
12h20 - 12h40	Talk 16.3 : <i>WASIKIEWICZ J.</i> (UK) Passive etched track detectors application in outdoor radon monitoring in the UK.
12h40 -13h00	Closing
13h00 -...	Lunch

POSTER SESSIONS - EXHIBITION

Topic 1 : Fundamental mechanisms and simulation, Microdosimetry	
P 1.1	<i>AZUMA K.</i> (Japan) Quantitative analyses of hydroxyl group in poly(allyl diglycol carbonate) and poly(vinyl alcohol)
P 1.2	<i>GAMBARINI G.</i> (Italy) Study of proton and carbon ion pencil-beam trend in water phantom for EBT3-film sensitivity quenching evaluation and amendment
P 1.3	<i>KOWALSKI T.</i> (Poland) Factors Limiting the Linearity of Response of Tissue Equivalent Proportional Counters Used in Micro- and Nano – Dosimetry
P 1.4	<i>KUSUMOTO T.</i> (Japan) Anomalous increase of the contact angle of water droplets on the surface of PADC detector exposed to proton
P 1.5	<i>LI J.S</i> (China) Projectile fragments emission in the fragmentation of ^{28}Si on carbon targets at 736 A MeV
P 1.6	<i>MATUO Y.</i> (Japan) Study on radiation-induced damage of DNAs using a fluorescence modified oligonucleotide
P 1.7	<i>MOUAWAD L.</i> (France) Fundamental study of the ionization of water by single electron impact: A theoretical model to calculate triply differential cross sections using Gaussian 03
P 1.8	<i>NAGASAKI Y.</i> (Japan) Study of fully automated analyzing system for the study of low-dose radiation effects on cellular radiobiology
P 1.9	<i>OTANI T.</i> (Japan) Dual stage damage formation process in radio-sensitive parts of PADC detectors exposed to gamma rays
P 1.10	<i>SAKAI M.</i> (Japan) An up-to-date local dose distribution theory for ion tracks and its applications to detection thresholds in PET and PI
P 1.11	<i>WANG M.</i> (China) A Molecular Dynamic Simulation of Ion Selectivity in 1nm Wide Latent Track Nanopore
P 1.12	<i>YAMAUCHI T.</i> (Japan) Dependence of G values for losses of typical functional groups along heavy ion tracks in bisphenol A polycarbonate on the crystallization degree
P 1.13	<i>YUJI F.</i> (Japan) Micron-size hydrogen clusters for proton acceleration exceeding 100 MeV via super-relativistic laser-plasma interactions

Topic 2 : Dosimetry - Life Sciences	
P 2.1	<i>ABDELNABY A.</i> (Egypt) Neutron dose equivalent in tissue due to clinical linacs
P 2.2	<i>ABDESSELAM M.</i> (Algeria) Corrected dose calculation for MeV H+ irradiated polyethylene terephthalate film
P 2.3	<i>ASSENMACHER F.</i> (Switzerland) Personal dose estimation with a passive neutron dosimeter for fast and thermal neutrons based on PADC with a 6Li converter
P 2.4	<i>BADREDDINE A.</i> (Algeria) <i>Biodistribution and radiotoxicological studies of iodine 131 in two murin models: Wistar rat with and without thyroid</i>
P 2.5	<i>BELAFRITES A.</i> (Algeria) The Annual Effective Dose and the Excess Life Time Cancer Risk Assessment of Gamma Radiation From Tobacco Plants, Algeria
P 2.6	<i>EL BAYDAOUI R.</i> (Morocco) Analysis of dosimetric properties in the field of radiotherapy of glucose irradiated by megavoltage X photons, electrons and analyzed by ESR spectroscopy
P 2.7	<i>JI S. W.</i> (Korea) Analysis of Inhalation Dose Rate to Workers in NORM Industries
P 2.8	<i>LEE H. R.</i> (Korea) Feasibility study on coincidence imaging system for prompt gamma activation imaging
P 2.9	<i>LEE H. R.</i> (Korea) Gamma Electron Vertex Imaging (GEVI) System for Proton Therapy Monitoring by Measuring Prompt Gamma Distribution
P 2.10	<i>MESRADI M.R.</i> (Morocco) Evaluation of the dose delivered to patients in CT using the platform (GEANT4 / GATE)
P 2.11	<i>ROMERO-EXPOSITO M.L.G.</i> (Spain) Measurement of neutron dose equivalent in an anthropomorphic child phantom for a proton therapy treatment using a Poly Allyl Diglycol Carbonate based track-etched dosimeter
P 2.12	<i>SAINT MARTIN M.L.G.</i> (Argentina) Optical density analysis in autoradiographic images from BNCT protocols
P 2.13	<i>SEMGHOULI S.</i> (Morocco) Evaluation of Radiation Risks during CT Brain Procedures for Adults
P 2.14	<i>SOUZA L.</i> (Brazil) Dosimetric characterization of MgB4O7:Ce,Li as an Optically Stimulated dosimeter for radiodiagnostic and radiotherapy applications
P 2.15	<i>VALLE S.</i> (Italy) The FOOT (Fragmentation Of Target) experiment

Topic 3 : Astro and nuclear physic, accelerators	
P 3.1	<i>CHENG J.X. (China)</i> The odd-even effect of fragmentation cross sections for ^{36}Ar and ^{40}Ar
P 3.2	<i>HASHEMI-NEZHAD R. (Australia)</i> Studies on the graphite moderated spallation neutron field using $^{238}\text{U}(n, \gamma)$ reaction
P 3.3	<i>KONOVALOVA N. (Russia)</i> Emulsion detector for future experiment SHiP at CERN
P 3.4	<i>LI Y. (China)</i> <i>Relative Fission Rate of VENUS- II Measuring by Nuclear Tracks Measurements</i>
P 3.5	<i>MACHRAFI R. (Canada)</i> Study of the Charged Particle Response of Superheated Droplet Detectors Used in Space Radiation Dosimetry
P 3.6	<i>MAULIK A (India)</i> <i>Investigation of heavy charged particles flux in cosmic rays at Antarctica using high detection threshold PET films</i>

Topic 4 : Nanotechnologies – material modification	
P 4.1	<i>BEDIN S.A. (Russia)</i> Radiation and Thermal Stability of Metal Nanowires obtained by replication of Ion Track Matrixes
P 4.2	<i>CHINNASAMY G. (India)</i> Capacitance-voltage characterization of gamma radiation induced graphene oxide
P 4.3	<i>DOLUDENKO ILIA S.A. (Russia)</i> Track pores Matrixes for fabrication of layered Ni/Cu Nanowires
P 4.4	<i>GUPTA R. (India)</i> Swift heavy ions induced modifications in Cu nanostructures synthesized using electrochemical deposition
P 4.5	<i>KAUR A. (India)</i> Radiation induced effects on properties of heterojunction nanowires
P 4.6	<i>KUMAR V. (India)</i> Low Energy (keV) ion induced modification of $\text{SnO}_2\text{-TiO}_2$ nanocomposite thin films
P 4.7	<i>PANCHAL S. (India)</i> Silver ion irradiation effects on selenium nanowires
P 4.8	<i>SHAIKH A.A. (India)</i> Chemical synthesis and characterization of Mn_3O_4 thin films for supercapacitor application
P 4.9	<i>SINGH N.L. (India)</i> Influence of ion beam irradiation on electrical and structural properties of polyvinylchloride/Al polymer composites

Topic 5 : Detectors and methods	
P 5.1	<i>DITLOV V.</i> (Russia) The action of gamma-rays in nuclear photoemulsion
P 5.2	<i>EL AZHAR H.</i> (France) Evaluation of a CR-39 System Performances for neutron Dosimetry in High Energy X-Rays Radiotherapy
P 5.3	<i>HOANG S. M.T.</i> (Korea) Design and Experimental Validation of Nested Neutron Spectrometer Apply to Accelerator-Based Neutron Source with Monte Carlo Code and Artificial Intelligence Algorithm
P 5.4	<i>KANG M.</i> (Kora) Improvement of calculation performance of EXVol code
P 5.5	<i>KIM J.</i> (Korea) Comparative Evaluation of Neutron Spatial Distribution between Real and Equivalent Flux
P 5.6	<i>LEE M.</i> (Korea) Simulation study of a multi-hole collimator for high-resolution and far-field measurements gamma-ray imaging to visualize of radioactive source in nuclear power plants
P 5.7	<i>LOUNIS-MOUKRANI Z.</i> (Algeria) <i>Characterization of structural modifications induced by gamma rays in MAGIC gel polymer</i>
P 5.8	<i>MALINOWSKA A.</i> (Poland) Measuring the protons participating in the $^{11}\text{B}(p, \alpha)^8\text{Be}$ nuclear-fusion reaction using CR-39 TASTRAK
P 5.9	<i>MALINOWSKA A.</i> (Poland) Alpha-particle spectroscopy by the use of polyallyl-diglycol-carbonate (PADC) detectors
P 5.10	<i>MAULIK A.</i> (India) Empirical relationships between detection thresholds and physical parameters of different Nuclear Track Detectors
P 5.11	<i>POLIAKOVA T.</i> (Russia) Alpha-spectroscopy using alpha-track radiography for analyses of the contaminated environmental samples
P 5.12	<i>ROMERO-EXPÓSITO M.</i> (Spain) Calibration of a Poly Allyl Diglycol Carbonate (PADC) based track-etched dosimeter in neutron thermal fields.
P 5.13	<i>SAINT MARTIN M.L.G.</i> (Argentina) Heavy ion beam characterisation with polycarbonate detectors
P 5.14	<i>SOHRABI M.</i> (Iran) The State-of-the-art on Polycarbonate/ ^{10}B Neutron Dosimetry
P 5.15	<i>SOHRABI M.</i> (Iran) High Quality Teflon Corona Electret Dosimeter : Production for Radon Monitoring
P 5.16	<i>SOLTANI Z.</i> (Iran) A Packing Factor Method to Characterize Overlapped Particle Tracks at High Particle Fluences

P 5.17	<i>SOLTANI Z.</i> (Iran) Double-Exposure Holographic Interferometry for Radiation Dosimetry: a new developed model
P 5.18	<i>SZYDLOWSKI A.</i> (Poland) Application of track detectors to measure neutrons emitted from 14 MeV neutron generators
P 5.19	<i>VENKATRAMAN P.</i> (India) A positive ion detectors for track Nanodosimetry
P 5.20	<i>WANG G.F.</i> (China) Ion beam induced luminescence study of lithium fluoride under 2MeV proton beam at different temperature
P 5.21	<i>ZARUBIN P.</i> (Russia) Imaging and digitations of relativistic and low energy nuclear processes by means of nuclear track emulsion

Topic 6 : Environment	
P 6.1	<i>AIT-ZIANE M.</i> (Algeria) Assessment of the radon risk in some thermal stations in eastern Algeria
P 6.2	<i>BALCAZAR M.</i> (Mexico) Safety radon levels in a mine site Environment
P 6.3	<i>BELAHBIB L.</i> (Morocco) Impact of the Phosphate Industry on Natural Radioactivity in Sediment, Sea Water and Coastal Marine Fauna of the Province of El Jadida - Morocco
P 6.4	<i>CAMPOS M.</i> (Brazil) Radon concentrations at Águas de Lindoia thermal spa
P 6.5	<i>CHAUHAN N.</i> (India) Modelling of radon gas transfer from soil to environment and validation through measurements
P 6.6	<i>CHEN J.</i> (Canada) ²¹⁰ Po in Pacific Salmon from West Coast of Canada and its Contribution to the Dose by Ingestion in Comparison to Radioactive Cesium
P 6.7	<i>CHEN J.</i> (Canada) A Review of Natural Radionuclides in Canadian Drinking Water
P 6.8	<i>IWAOKA K.</i> (Japan) Measurement of Natural Radioactivity in Philippine Cigarettes
P 6.9	<i>KAKATI R.K.</i> (India) Measurement of soil and outdoor radon concentration with reference to meteorological parameters
P 6.10	<i>KAUR A.</i> (India) Study of uranium content in drinking water, its associated age-dependent radiation dose and water quality parameters in four districts of NE Punjab, India.
P 6.11	<i>LOUNIS-MOUKRANIZ.</i> (Algeria) Neutron dose evaluation at workplaces around NUR Research Reactor of Algeria

P 6.12	<i>MOUSTAKIM M.</i> (Morocco) Nuclear techniques and radiation measurements for a better understanding of the impact of climate change on soil erosion in upland agroecosystems of the Tangier-Al Hoceima region
P 6.13	<i>RASTE P.M.</i> (India) Radon mass exhalation rate of soil and water in different region of Kolhapur district
P 6.14	<i>RODIONOVA A.</i> (Russia) The radionuclide distribution onto different mineral phases of the rocks of the exocontact of Nizhnekanskiy granitoid massif
P 6.15	<i>SHARMA A.</i> (India) Study of radon, thoron concentration and their progeny in some dwellings of Delhi, India
P 6.16	<i>SHARMA A.</i> (India) Measurement of natural radioactivity levels and associated dose rates in soil samples collected from NTPC, Badarpur, Delhi, India
P 6.17	<i>SHARMA A.</i> (India) Distribution of terrestrial gamma dose rate in fly ash samples collected from NTPC, Dadri, Uttar Pradesh, India
P 6.18	<i>SUZUKI T.</i> (Japan) Evaluation of exhalation rates of radon and thoron using a passive type radon-thoron discriminative monitor
P 6.19	<i>TAMAKUMA Y.</i> (Japan) A portable radioactive plume monitor using a silicon photodiode
P 6.20	<i>VENOSO G.</i> (Italy) Improving the quality of radon measurement protocols: some experimental tests on different techniques based on CR-39 radon detectors.
P 6.21	<i>YOSHIDA K.</i> (Japan) Spatiotemporal Big Data analysis of real time data on natural background /on air dose rate at Fukushima and in Japan
P 6.22	<i>ZHANG D.H.</i> (China) Investigation of the gross α -radioactivity level in drinking-water in major cities of Shanxi province

Training and Exhibition	
TE 1	<i>WALTHER C.</i> (Germany) <i>The European network on nuclear and radiochemistry education and training</i>
TE 2	<i>PARAVICINI A.</i> (Italy) POLITRACK system for automatic reading of CR-39 detectors : neutron dosimetry/LET spectrometry
TE 3	<i>DURANTON B.</i> (France) AERIAL : Dosimetry and Multisectorial applications