



NUPPAC' 09

**11 - 15 Nov. 2009
Sharm El-Sheikh, Egypt**

Programme

**7th Conference
on Nuclear and Particle Physics
11 - 15 Nov. 2009
Sharm El-Sheikh, Egypt**

NUPPAC' 09

**Organized by
Egyptian Nuclear Physics Association (ENPA)
Cairo, Egypt**

**In Cooperation with
Atomic Energy Authority (AEA)**

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Prof.Dr. M.N.H. Comsan**

**Conference Coordinator
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Conference Programme

Wednesday, 11 Nov. 2009

9:00 - 10:30	Registration Headquarter Building, Egyptian Atomic Energy Authority, El-Zohour District, Nasr City, Cairo
10:00 - 11:30	Coffee Break
10:30 - 11:00	Gathering EAEA site, Nasr City
11:00	Bus Departure to Sharm El-Sheikh
15:00 – 15:30	Midway Rest
19:00	Arrival Sharm El-Sheikh Hotel accommodation

Thursday, 12 Nov. 2009

9:00 - Registration Desk

9:00 - 9:10 Opening Ceremony

9:15 - 10:30 Session IKN1 [38/9/10]

Chairperson: M. N. H. Comsan

- 1- 60 years of broken symmetries in quantum physics: D.V. Shirkov 38
- 2- Results from the G0 parity violation experiment carried out at Jefferson Laboratory: L. Bimbot 9
- 3- Pyrolytic graphite as a tunable second order neutron filter: M Adib 10

10:30 - 11:00 Break

11:00 - 13:00 Session IKN2 [95/43/77/85]

Chairperson: L. Bimbot

- 1- Calculations of $^8\text{He}+p$ elastic cross sections using microscopic optical potential: V.K. Lukyanov 95
- 2- Parity violation in QCD motivated hadronic models at extreme conditions: V.A. Andrianov 43
- 3- Theory of dipolar echoes in amorphous matter at low temperatures: Analogies and differences with the nuclear spin echoes and the role of an applied magnetic field: G. Jug 77
- 4- A search for new physics in a kaon decay: P. Depommier 85

13:00 – 14:00 Break

14:00 – 15:30 Session NSR1 [58/89c/122/130/148]

Chairperson: A. Abdel-Salam

- 1- Properties of nuclear and neutron matter using effective interactions: H.M.M. Mansour 58
- 2- Scalling description of electromagnetic cascades fluctuations at intermediate energies: B. Słowiński, P. Duda and P. Hładki 89c
- 3- Scattering of $K\{+\}$ meson from light nuclei at intermediate energies: K.M. Hanna, R.A.R. Ghobrial, Sh.M.E. Sewailem, H.O. Nafie and M.S.M. Nour El-Din 122
- 4- Yield of High-Spin Isomeric States in Reactions Induced by He Isotopes: T.V. Chuvilskaya and A.A. Shirokova 130
- 5- The New Kind of the Nuclear Reactions: A.A. Zhmud 148

14:00 - 15:30 Session MCS [59/61/81/103/116/40/144/146]

Chairperson: G. Jug

- 1- Efficient second order algorithms for function approximation with neural networks. Application to sextic potentials: L. Ait Gougam, H. Taibi, A. Chikhi and F. Mekideche-Chafa 59
- 2- ChainSolver as simulation tool for nuclear transmutation: A. Boucenna and N. Amrani 61
- 3- Analysis, verification, and benchmarking of the transient thermal hydraulic ITER/THA code for the design of ITER divertor: S.E. El-Morshedy and A. Hassanein 81
- 4- Hardware implementation of Diamond Search Algorithm for motion estimation and object tracking: Sh.M. Hashimaa, I.I. Mahmoud and A.A. Elazm 103

- 5- Worst air concentration from non-Gaussian plume model: Kh.S.M. Essa and M. Embaby 116
- 6- Three dimensional simulation of thin films growth: S. Kimiagar 40
- 7- New Model of Atom and Relativistic Effect: R.A. Hamza 144
- 8- Artificial neural networks for hadron-hadron cross-sections: M. EL.Mashad, M.Y. EL.Bakray, M. Tantawy and D.M. Habshy 146

14:00 - 15:30 Session RQP1 [21/31/54/80/100a/145/150]

Chairperson: K. Gridnev

- 1- Standard model forbidden decays: L. Ghegal 21
- 2- Equation of state for finite nuclear matter: 31
- 3- Inverse scattering revisited: Sh. Aldenfaria and A.M. Awin 54
- 4- Extended particle structure, gauge field and curvature: A. Smida and M. Hachemane 80
- 5- Path integral treatment for the Rabi oscillations: M. Aouachria 100a
- 6- Co-current stratified gas-liquid flow in a horizontal pipe with two discharging branches: R. Bowden, I. Hassan and W. Saleh 145
- 7- Effect of different size dust grains on the properties of solitary waves in space environments: S.A. Elwakil, M.A. Zahran, E.K. El-Shewy and H. G. Abdelwahed 150

15:30 - 17:00 Session AR1 [117/33/3/47/118/127/137]

Chairperson: V. A. Andrianov

- 1- The physics of Mo-99 production: M.N.H. Comsan 117

- 2- An overview of Egypt's human resources strategy for the nuclear power program: A.S. Awaise 33
- 3- Surprising thinking pause to remaining development countries, with uses self-sufficient in nuclear economic development management: A. Zati-Rostami and P. Dadmehr 3
- 4- Electron impact L- and M- shell ionization cross sections of atoms at relativistic energies: A. A.K.F. Haque and M. Alfaz-Uddin 47
- 5- Electron acceleration by microwave radiation inside rectangular waveguide: B. Mohamed and A. Gouda 118
- 6- Study of miniband structures in dimer quasiperiodic superlattices: Z. Aziz, R. Djelti, S. Bentata and Y. Sefir 127
- 7- Theoretical Study of Ion Beam Mixing for Bilayer Te/In and Se/In: M.A. Nasr, M. Sallah and M.A. Swisy 137

15:30 - 17:00 Session NAT1 [70/18/19/20/49/13b]

Chairperson: A. El-Farrash

- 1- Neutron diffraction research of charge density waves regime in layered single crystal InSe: G.V. Lashkarev, O.I. Dmitriev, V.M. Kaminskiy, P.E. Butorin, Z.D. Kovalyuk, V.I. Ivanov, A.M. Balagurov and A.I. Beskrovnyy 70
- 2- Elemental analysis of natural and synthetic eye-liner samples using different analytical techniques: Ashraf S. Elkady, W.M. Abdel-Aziz, I.1 Bashter and A.M. Hassan 18
- 3- Radioactive measurements in gas-flow lantern mantles used in Egypt: M. Fayez-Hassan, Kh.M. Hella and T.A. Salama 19

4- Thin film thickness determination using instrumental neutron activation analysis: M.A. Ali 20

5- Na, Al, K, Mn, Mg, Br, Ca, and Cl concentration values in the whole blood samples of human cancer using short time neutron irradiation facility of ET-RR-2: N.F. Soliman, A. Sroor, L.S. Ashmawy, N. Walley El-Dine and T. El Mohamed 49

6- Calculation of buildup factor in water for gamma-ray up to 5 MeV using MCNP4c code and taking into account bremsstrahlung: M.N. Nasrabadi 13b

6- Farmer ionization chamber calibration using Co-60 and Sr-90 sources: F. Scarlat, S. Bercea, A. Scarisoreanu, E. Badita and E. Mitru 110

7- Instrumentation for NPP radiation safety monitoring: S. Iievliev, O. Kazymyrov, G. Kazymyrova 154

19:00 - 22:00 Cultural Evening (*)

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Chairperson: A. M. Hassan

1- Thermoluminescence studies of some TLD materials and its usability in radiation measurements: M.A. El-Kolaly 56

2- Calibration of single high purity Germanium detector for whole body counter: T.M. Taha and T.M. Morsi 73

3- Radiation-measuring dosimetric systems based on vitreous chalcogenides: V. Balitska and O. Shpotyuk 91

4- An Estimation of a passive infra- red sensor's probability of detection: E.A. Osman, M.I. El-Gazar, M.K. Shaat, A.A. El-Kafas, W.I. Zidan and A.A. Wadoud 92

5- The study on medical radiography using the film densitometer: A. Scarisoreanu, F. Scarlat, E. Badita, F. Mihai and E. Mitru 109

Friday, 13 Nov. 20097

Full Day Sharm and Sinai (*)

Saturday, 14 Nov. 2009

9.00 - 10:30 Session HEP1 [14/57/52/25/78/108a]

Chairperson: M. S. El-Nagdy

- 1- Inclusive pion production in relativistic pA and AA collisions: A. AbdeIsalam, M.S. El-Nagdy, B.M. Badawy and E. El-Falaky 14
- 2- Spin and model identification of Z' bosons in lepton-pair production at the LHC: A.A. Pankov and A.V. Tsytrinov 57
- 3- Coherent-pair approximation in the logarithmic quark model: M. Abu-shady 52
- 4- Study of backward relativistic hadrons emitted in 4He and 7Li interactions with emulsion at ~ 2A GeV: E. El-Falaky 25
- 5- Monte Carlo studies of hadron production in e+e- collisions: T. Hussain, Fazal-e-Aleem and H. Rashid 78
- 6- Laser electron acceleration in relativistic regime: F. Scarlat, A. Scarisoreanu, E. Badita and E. Mitru 108a

9.00 - 10:30 Session NRP1 [153a/11/84a/107/141/142]

Chairperson: M. Adib

- 1- Research studies performed using the Cairo Fourier diffractometer: R.M.A. Maayouf 153a
- 2- Neutron transmission of germanium poly- and mono-crystals: N. Habib 11
- 3- Burnup and criticality analysis of carbon-coated particle fuel in HTR-10 reactor: M. Aziz and R. Refeat 84a

4- Modeling of core heatup following large Loss of Coolant Accident (LOCA) in tank type research reactor: M.S. El-Koliel and A.A. Fahmy 107

5- Stochastic neutron transport in a semi-infinite medium with refractive-index dependent boundary for pure-triplet scattering: A.R. Degheidy and M. Sallah 141

6- Neutron propagator on light elements nuclei: M. Kolomiiets 142

9.00 - 10:30 Session ARU [30/82/90b/119/46/134/136]

Chairperson: A. A. El-Kady

- 1- Quality assurance and quality control activities relevant to site qualifications and construction of nuclear power plant: M. Samir Abdel-Azim 30
- 2- Heavy ion TOF-ERDA technique for stopping power application of heavy ions crossing thin mylar foil: H. Ammi, C.A. Pineda-Vargas, S. Mammeri, M. Msimanga, S. Ourabah and A. Dib 82
- 3- High-energy irradiation effects in amorphous chalcogenide semiconductors: A review on recent progress: O.I. Shpotyuk, M.M. Vakiv, A.P. Kovalskiy, V.O. Balitska and L.I. Shpotyuk 90b
- 4- Production of Mo-99 in the Federal State Unitary Enterprise "Karpov Institute of Physical Chemistry". Ordinary and alternative technologies: O. Kochnov and V. Pavshook 119
- 5- New and powerful energy development in 21 century: Fusion or fission: A. Zati-Rostami and P. Dadmehr 46
- 6- High energy electron beam application to air pollution removal: D. Ighigeanu, D. Martin, I. Calinescu, E. Manaila and G. Craciun 134

7- Application of electron accelerators in conjunction with microwave sources in medical studies: D. Martin, G. Craciun, I. Margaritescu, M. Neagu, E. Manaila, D. Ighigeanu and D. Chirita 136

10: 30 - 11: 00 Break

11: 00 - 13:00 Session IKN3 [66/124/89a/24]

Chairperson: M. E. Abdel Aziz

- 1- Bose-Einstein condensate in nuclei – theory and experiment: K.A. Gridnev and S.Yu. Torilov 66
- 2- Low-energy interaction of anti-kaons: J. Marton 124
- 3- Spallation neutron production in extended targets initiated by electronuclear reactions: A. Polański, B. Słowiński and A. Wojciechowski 89a
- 4- Bulk samples PGNAA with isotopic neutron sources: A.M. Hassan 24

13:00 – 14:00 Break

14.00 - 15.30 Session NSR2 [5/23/34/50/60/129]

Chairperson: A. Z. Hussein

- 1- Comparative analysis of central and semicentral collisions in the interactions of relativistic nuclei: L. T. Akhobadze, V. R. Garsevanishvili, Yu. V. Tevzadze 5
- 2- Investigation of the proton induced reactions on Tin at low energies: E.K. Elmaghraby, S.A. Said and F.I. Asfour 23
- 3- Systematics of the (p,n) excitation functions belonged to several isotopes at energies < 60 MeV: E.K. Elmaghraby, S.A. Said and F.I. Asfour 34

4- Radionuclides produced by proton induced reactions on In and Mn targets at low energy: M. Al-Abyad, H. Al-Shewaimy, A. Khalaf and M.N.H. Comsan 50

5- Evaluation of technetium transmutation rate in thermal and fast spectrum: N. Amrani and A. Boucenna 60

6- Search for P-odd CP-violating effects in nuclear gamma transitions: Yu.M. Tchuvil'sky 129

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Chairperson: P. Depommier

- 1- Hyperfine magnetic anomaly in europium isotopes: S.G. Zemlyanoi, Yu.P. Gangersky, D.V. Karaivanov, K.P. Marinova and B.N. Markov 99
- 2- A new PSDPF interaction to describe the $1\&\#295;\&\#969$; intruder states in sd shell nuclei: M. Bouhelal 94
- 3- Quark-like model and nuclear binding energy: M. Ghanaatian 115
- 4- Study of isospin dependence of nuclear level density: M.N. Nasrabadi 13a

14:00 - 15:30 Session RAR1 [37/55/65/96/114/126/131a]

Chairperson: J. Marton

- 1- ICNIRP limits of exposure to static magnetic fields: Occupational and general public: M.A. Gomaa 37
- 2- Assessment of gamma activity of building materials commonly used in Upper Egypt: M. A. M. Uosif 55
- 3- Radiometric characterization of sand in Northeast Sinai: Kh.A. Ramadan, M.K. Seddeek, T. Sharshar, H.M. Badran 65

4- Radiation effects in physical ageing of binary As-S(Se) glasses: R. Golovchak, O. Shpotyuk, A. Kozdras, B.J. Riley, S.K. Sundaram and J.S. McCloy 96

5- Scattered ionizing radiations from low energy focus plasma and radiation dosimetry assessment: G.M. E-Araqi, M.A. Ayad, M.A. El-Kolaly and W. Madcour 114

6- Radiological impact of radioactive Iodine discharge after hypothetical nuclear accident: A. Abdelhady, T. Abou El Maaty 126

7- HEU and LEU fuel shielding comparative study applied for spent fuel transport: C.A. Margeanu, S. Margeanu and D. Barbos 131a

15:30 - 17:00 Session AR2 [36/42/67/90a/102/132133]

Chairperson: L Lakosi

1- Recent results with a cold cathode ion source system: F.W. Abdel Salam, A.G. Helal and H. El-Khabearv 36

2- Surface modification of metals using plasma torch: Amin Hassan 42

3- Modification of properties of substances under radiation: M. Abdelguerfi and A. Soualmia 67

4- Radiation-structural metastability in amorphous semiconductors described within configuration-coordinate model: O.I. Shpotyuk and V.O. Balitska 90a

5- Post-irradiation instability dynamics in quasi-binary As/Sb trisulphide glasses: Ya. Shpotyuk and J. Filipeck 102

6- Electron beam diagnosis and dynamics using diadyn plasma source: D. Toader, S. Marghitu, G. Craciun, E. Manaila and C. Oproiu 132

7- Biodegradable polyelectrolytes obtained by radiation polymerization: G. Craciun, D. Martin, E. Manaila, M. Nemtanu, M. Brasoveanu and D. Ighigeanu 133

15:30 - 17:00 Session NAT2 [17/32/41/72/101/123/143]

Chairperson: B. Constantinescu

1- A prompt gamma-ray system using Pu/Be isotopic neutron source for elemental analysis of bulk material samples G. Mesbah, N.F. Soliman, L.S. Ashmawy and A.M. Hassan 17

2- Sequential analysis of gamma spectra: M. Fayez-Hassan and Kh.M. Hella 32

3- ²³⁸U and ²³²Th concentration in rock samples using alpha autoradiography and gamma spectroscopy techniques: A.H. El-Farrash, H.A. Yousef and A.F. Hafez 41

4- Methodology for quantitative analysis of large liquid samples with prompt gamma neutron activation analysis using Am-Be source: Z. Idiri, H. Mazrou, A. Amokrane and S. Beddek 72

5- Characterization of uranium-bearing material by passive non-destructive gamma spectrometry: L. Lakosi, J. Zsigrai and C. Tam Nguyen 101

6- A Dual-hemisphere (Spherical) Irradiation Facility for Am-Be Neutron Field Optimization: M. Tohamy, M. Fayez-Hassan, S. Abdel-Ghany, S. El-Minyawy, M.M. Abdel-Khalek and M.N.H. Comsan 123

7- Ultra high energy cosmic rays and atmospheric monitoring of Air-fluorescence and air-Cherenkov telescopes via high spectral resolution Lidar: P. Fetfatzis, E. Fokitis, S. Galanis, A.

Georgakopoulou, V. Gika, M. Kompitsas, G. Koutelieras, S. Maltezos, I. Manthos, K. Patrinos and A. Aravantinos 143

15.30 - 17:00 Session RQP2 [62/48/93/86/100b/149]

Chairperson: D. V. Shirkov

- 1- Application of the Bertlmann-Martin inequality to systems with spin: S. Boufas, F.Z. Ighezou and R.J. Lombard 62
- 2- Radiative transfer equation for anisotropic spherical medium with specular reflective index: A. Elghazaly 48
- 3- Study of the spectrum of photons in planar QED at finite temperature and density. Exact Green function: S. Bannikov and V. Skalozub 93
- 4- Search for O(6) behavior: Approximate formula of the energy spectra in O(6) limit with three-body potential: H.M. Mittal and V. Devi 86
- 5- Two-level atom in an electromagnetic wave of circular polarization: Exact solution via path integral: M. Aouachria 100b
- 6- Time Domain Nonlinear Analysis of a Two-Phase Natural Circulation Loop: Kazem Arrdaneh, Hadi Davilu and Salman Zaferanlouei 149

19:00 – 22:00 Cultural Evening (*)

Sunday, 15 Nov. 2009

9.00 - 10:30 Session HEP2 [89b/15/53/64/83/152]

Chairperson: K. M. Hanna

- 1- Rapidity and impact parameter correlation in pion-xenon interaction at GeV energies: B. Słowiński, R. Sobczak and R. Korzeniewski 89b
- 2- On the possibility of a new light neutral boson in heavy ion collisions: M. S. El-Nagdy, A. Abdelsalam and B.M. Badawy 15
- 3- The role of S11(1535) resonances on incoherent eta electro-production off the deuteron: M. Tammam 53
- 4- Hadron multiplicities from the top and W boson: A.V. Kisselev and V.A. Petrov 64
- 5- Horizontal symmetry of leptons from the bottom up: C.S. Lam 83
- 6- Strange quarks in nucleon and parity-violating effects in elastic electron-deuteron scattering: Shakeb Ahmad, S.K. Singh and H. Arenhovel 142

9.00 - 10:30 Session NRP2 [22/69/84b/138/139/131b/153b]

Chairperson: O. Gritzay

- 1- Precision total cross section measurements for natural hafnium at reactor neutron filtered beams: O. Gritzay, V. Koloty, N. Klimova, O. Kalchenko, A. Grymalo and V. Schachov 22
- 2- Calculations of radiological source term for light water reactor following severe accidents: R.M. Mohamed, E. Massoud, M.R. Ezz El-Din, Moustafa Aziz, R.A. Rizk 69

- 3- MCNP computer simulation to MYRRHA accelerator driven sub-critical system: E. Amin, M. Aziz, H.K. Louis and I.I. Bashter 84b
- 4- Third order nodal expansion method for the solution of the neutron diffusion equation in cylindrical geometry: A.I. Topuz, M. Mercimek and H.A. Özgener 138
- 5- Comparison of the nodal expansion method and the finite elements method for the solution of the neutron diffusion equation in cylindrical geometry: M. Mercimek, A.I. Topuz and H.A. Özgener 139
- 6- Thorium-based fuels preliminary lattice cell studies for CANDU reactors: C.A. Margeanu and A.C. Rizoiu 131b
- 7- On the use of plexiglass substrates for neutron mirrors: R.M.A. Maayouf 153b

9.00 - 10:30 Session RQP3 [1/29/98/111/112/97/151]

Chairperson: M. N. H. Comsan

- 1- Application of effective field theory for light nuclei formation: H. Sadeghi 1
- 2- Influence of gravity on noncommutative Klein-Gordon equation and scalar particles creation: S. Zaim 29
- 3- Nonperturbative calculations in QCD, R-related quantities and the operator product expansion: O. Solovtsova 98
- 4- Calculation of theoretical isotropic Compton profile for many particle systems: A.A. Alzubadi and Kh.H. Albayati 111
- 5- Analytically solvable model for fusion near coulomb barrier: R. Gupta, S.S. Malik and A.K. Jain 112

- 6- Reissner-Nordstrom black hole in non-commutative spaces: S.A. Alavi 97
- 7- Solitary waves in space dusty plasma with dust of opposite polarity: S.A. Elwakil, M.A. Zahran, E. K. El-Shewy and H.G. Abdelwahed 151

10: 30 - 11: 00 Break

11: 00 - 13:00 Session NSR3 [121/106/45/71/87/125]

Chairperson: M. S. M. El-Tahawy

- 1- One boson exchange microscopic potentials in K(+)-nucleon and nuclei interactions: K.M. Hanna, R.A.R. Ghobrial, Sh.M.E. Sewailem, H.O. Nafie and M.S.M. Nour El-Din 121
- 2- Contribution of 194.1 keV resonance to $^{14}\text{N}(p,\alpha)^{14}\text{N}$ reaction rate using R matrix code: A. Chafa, F-Zohra Messili and S. Barhoumi 106
- 3- Elastic scattering at high energies vs LHC agenda for measurements: Fazal-e-Aleem 45
- 4- Study of light charged particle production double-differential cross sections at intermediate energy: H. Iwamoto, Y. Koba, Y. Fukui, Y. Fukuda, G. Wakabayashi, Y. Uozumi, P. Evtoukhovitch, V. Kalinnikov, N. Khomutov, N. Kuchinskii, A. Moiseenko, V. Samoilov, Z. Tsamalaidze and A. Mzavia 71
- 5- Analysis of Li-6 scattering at 600 MeV: M. El-Azab Farid and K.O. Behairy 87
- 7- Super symmetry in strong and weak interactions: U.V.S. Seshavatharam and S. Lakshminarayana 125

11: 00 - 13:00 Session AR3 [74/27/75/108b/135/92b]

Chairperson: M. A. Ali

- 1- Micro-SR-XRF studies for archaeological gold identification - The case of Carpathian gold and of Dancian bracelets: B. Constantinescu, A. Vasilescu, M. Radtke and U. Reinholz 74
- 2- Supperlattice and intersubband comparison of quantum cascaded lasers: I.I. Mahamoud, M.B. El_Mashade and M.S. El_Tokhy 27
- 3- Some applications of X-ray based elemental analysis methods for Romanian gold minerals studies: D. Stan, B. Constantinescu, C. Pauna, A. Neacsu and Gh. Popescu 75
- 4- Laser proton acceleration for radiotherapy: F. Scarlat, A. Scarisoreanu, E. Badita, E. Mitru and N. Verga 108b
- 5- Electron beam processing of rubber mixtures with polyfunctional monomers: E. Manaila, D. Martin, G. Craciun, D. Zuga and D. Ighigeanu 135
- 6- Distribution and parameter's cCalculations of television cameras inside a nuclear facility: A.A. El-kafas etal 92b

11: 00 - 13:00 Session RAR2 [63/68/104/105/113/120/128/140]

Chairpersons: M. A. M. Gomaa

- 1- Inventory of used, disused, waste & disposed sources in Kenya: S. Kiti, J. Keter and R. Kinyua 63
- 2- Analysis of the air by SPR techniques: Kh. Ayadi 68
- 3- Evaluation of mercury as a passive shielding for the low-level gamma-ray spectrometers: A. Al-Sharkawy, T. Sharshar and H.M. Badran 104

4- Radiological studies in the hot spring region of Oyouun Mossa and Hammam Faraun thermal spring areas in Western Sinai: Kh.A. Ramadan, M.K. Seddeek, T. Sharshar and H.M. Badran 105

5- Assessment of the radiological impact of Fe-Mn alloy production plant in Abu Zenima, southwest Sinai: H.M. Bakr, T. Sharshar, T. Elnimr and H.M. Badran 113

6- Radiological study of the black sand region of the north-east of the Nile Delta Egypt: W.A. Moafy and M.S. El-Tahawy 120

7- ALARA principle application for loading spent nuclear fuel assemblies from nuclear research reactor VVR-S Magurele-Bucharest Romania into transportation casks. M. Dragusin 128

8- Halide film dosimeter system response influenced by chemical processing: F. Mihai 140

13:00 - 14:00 Conference Lunch

14:00 - 14:30 Session CS

Chairpersons: M.N.H. Comsan,

Conference conclusions and recommendations.
Conference closing.

(*) For details, please contact information desk.

**7th Conference on Nuclear and Particle Physics
11-15 Nov. 2009
Sharm El-Sheikh, Egypt**

Conference Timetable

Time	Wed., 11 Nov.	Thu., 12 Nov.	Fri., 13 Nov.	Sat., 14 Nov.	Sun., 15 Nov.
9:00-10:30	Cairo	OS IKN1		HEP1/NRP1/ ARU	HEP2/NRP2/ RQP3
10:30-11:00	Registration	Tea/Coffee	Full	Tea/Coffee	Tea/Coffee
11:00-13:00	Departure	IKN2	Day	IKN3	NSR3/AR3/ RAR2
13:00-14:00	(Bus	Break	Sharm	Break	Conf. Lunch
14:00-15:30	to	NSR1/MCS/ RQP1	and	NSR2/NSS/ RAR1	CS Departure
15:30-17:00	Sharm)	AR1/NAT1/ DI	Sinai	AR2/NAT2/ RQP2	(Bus) to
19:00-22:00	Arrival	Cult Evening		Cult Evening	Cairo

Programme abbreviations:

OS	Opening Session	RQP	Relativistic & Quantum Physics
IKN	Invited/Keynote Talk	MCS	Modelling, Codes & Simulation
HEP	High Energy & Particles	NAT	Nuclear Analytical Techniques
NSR	Nuclear Scattering & Reactions	DI	Detectors & Instrumentation
NSS	Nuclear Structure & Spectroscopy	RAR	Radiation and Radioactivity
NRP	Neutron & Reactor Physics	AR	Activity Review
ARU	Accelerator & Reactor Utilization	CS	Concluding Session

2009 15 - 11

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