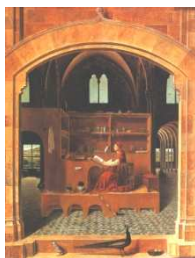




International Conference on
Nuclear Reactions on



FDP
FONDAZIONE
BONINO-PULEJO
MESSINA

Nucleons and Nuclei

Messina (Italy)

October 5-9, 2009



Chairman: G. Giardina (Messina); **Co-Chairmen:** S. Hofmann (Darmstadt) and C. Schaerf (Roma)

Scientific Secretaries: G. Mandaglio (Messina) and R. Di Salvo (Roma)

SECOND CIRCULAR

Registration Fee

The registration fee for a **participant** at the Conference will be **Euro 240** (including welcoming reception, coffee breaks, planned bus service for the connection between the Reggio Calabria airport or the Catania airport with Messina, Conference dinner and a copy of the proceedings). The registration fee for an **accompanying person** will be **Euro 130**. For **payments** received **after August 25th, 2009**, the fees will be **Euro 280** and **Euro 170**, respectively.

It is possible to pay the fee by the moneyGram transfer or bank transfer (made out to: G. Giardina - International Conference on Nuclear Physics) posted to G. Giardina, Dipartimento di Fisica, Salita Sperone 31, 98166 Messina (Italy). In this case the above-mentioned fee is at net of the bank commission. Payment also may be carried out directly at the Conference desk by cash, travellers' cheques or credit cards. If you send money by an international transfer or bank, please also send a copy by fax (++39-090-395004).

If participants want to pay the registration fee on the bank account of the Conference (at net of the bank commission) , we give the IBAN code :

IT13R0301916504000000141008

SWIFT code : BIC

Credito Siciliano , Agenzia N.1 di Messina (Italy) , account for the Conferenza Nuclear Reactions on Nucleons and Nuclei

Preliminary scheme of the program

04 October (Sunday)	afternoon: arrival, registration, welcoming reception		
05 October (Monday)	9:00-13:00 plenary and parallel sessions	interval for lunch 13:15-15:00	15:00-18:45 plenary and parallel sessions
06 October (Tuesday)	9:00-13:00 plenary and parallel sessions	interval for lunch 13:15-15:00	15:00-18:45 plenary and parallel sessions
07 October (Wednesday)	9:00-13:00 plenary and parallel sessions	interval for lunch 13:15-15:00	Excursion to Taormina, and conference dinner
08 October (Thursday)	9:00-13:00 plenary and parallel sessions	interval for lunch 13:15-15:00	15:00-18:45 plenary and parallel sessions
09 October (Friday)	9:00-13:00 plenary and parallel sessions	interval for lunch 13:15-15:00	15:00-17:00 plenary and parallel sessions

List of Invited Talks and Oral Presentations

Invited Talks – Section: Nuclear Reactions on Nuclei

- Y. Aritomo *“Fusion-fission and quasi-fission processes in reactions using actinide target nuclei”*
- B. B. Back *“The HELIOS spectrometer and the radioactive beam program at Argonne”*
- M. Di Toro *“Probing the Nuclear Matter at High Baryon and Isospin Density with Heavy-Ion-Collisions”*
- S. N. Dmitriev *“Chemical Identification and Study of properties of Superheavy Elements”*
- G. Giardina *“Expectations and limits to synthesize nuclei with $Z \geq 120$ ”*
- M.G. Itkis *“Fusion-fission and quasifission properties of superheavy nuclei”*
- C.J. Lister *“Precision measurements of electromagnetic matrix elements in ^{10}Be as a test of ab-initio calculations”*
- Y. G. Ma *“Studies on p-p momentum correlation function of ^{23}Al ”*
- M. Mazzocco *“Reaction dynamics for light RIB's at near-barrier energies”*
- S. Mitsuoka *“Barrier distribution of quasi-elastic backward scattering in very heavy reaction systems”*
- A. K. Mohanty *“A double barrier penetration model for fusion at deep-barrier energies”*
- A. K. Nasirov *“Mechanisms producing fission-like binary fragments in heavy ion collisions”*
- B. K. Nayak *“A new hybrid surrogate ratio method for neutron-induced fission cross section measurements of short-lived actinides”*
- D. Pierroutsakou *“Dynamical dipole mode in fusion heavy-ion reactions”*
- A. Sobiczewski *“Properties of heaviest nuclei at the saddle-point configuration”*
- W. Tian *“Isoscaling effect in statistical sequential decay model and projectile fragmentation”*

Invited Talks – Section: Nuclear Reactions on Nucleons

- A. Anisovich *“Bonn-Gatchina partial wave analysis. Present status and observation of new baryons.”*
- H. J. Arends *“Overview on the baryonic resonance program at MAMI”*
- M. Battaglieri *“JLAB12: the new INFN collaboration at JLAB”*
- A. Braghieri *“Photoproduction on the Deuteron in double polarization and the GDH sum rule for the Neutron”*
- E. Chudakov *“Meson Spectroscopy”*
- K. de Jager *“The SuperBigBite project”*
- D. Elsner *“Polarised photon beams at ELSA and recent results of double polarisation measurements”*
- C. Hyde *“Nucleon Tomography through a study of Generalized Parton Distributions”*
- L.P. Kaptari *“ ω and η (η') mesons from NN and ND collisions at intermediate energies”*
- H. Kohri *“Polarized HD target for future LEPS experiments at SPring-8 in Japan”*
- B. Krusche *“Photoproduction of mesons off the deuteron and other light nuclei”*

- K. Kumar *“Low-energy Tests of the Standard Model”*
- M. Lang *“Upgrade of the CBELSA/TAPS Experiment at ELSA for η and η' decays”*
- G. Mandaglio *“Beam asymmetry Σ and invariant mass measurements on the π^- photoproduction”*
- S. A. Pereira *“Hyperon production and polarization with CLAS and CLAS12 at JLab”*
- A. Sandorfi *“Unravelling the Spectrum of the Nucleon”*
- H. Schmieden *“The BGO-OpenDipole Setup - New Experimental Perspectives at ELSA”*
- A. Thomas *“Recent Results from the Real Photon Experiment at MAMI”*
- G. M. Urciuoli *“A model-independent measurement of the neutron radius in ^{208}Pb ”*

Oral Presentations

- F. Amorini *“Study of exotic beams induced reactions in the region of ^{11}Be with CHIMERA array”*
- S.V. Artemov *“Estimation of the astro s-factors of proton radiative capture by ^{10}B and ^{24}Mg nuclei at the extremely low energies using the ancs from proton transfer reactions”*
- S. Bufalino *“Mesonic weak decay of Λ -Hypernuclei: a new tool for the spectroscopic study of hypernuclei”*
- E. Casarejos *“Energy dependence of heavy-ion collisions above 200 A MeV”*
- Y. H. Chung *“Estimation on Stopping Powers of Superheavy Ion with $Z=120$ and $A=300$ in Several Media”*
- S. Das *“Decay of omega meson produced in the $(\gamma, \pi^0\gamma)$ reaction on Nb nucleus”*
- D.O.Eremenko *“Dynamic model of angular distributions of fission and quasi-fission fragments”*
- O.V. Fotina *“Preequilibrium effects in the secondary particle spectra in the reactions with heavy ions”*
- F. Giacoppo *“Two -Proton radioactivity of ^{18}Ne ”*
- O.Gorpinich *“Particle-decay spectroscopy of lightest nuclei”*
- O. Gritzay *“Precision Nuclear Data Measured at Reactor Neutron Filtered Beams for Nuclear Science and Technology”*
- K.K. Gudima *“On the problem of the bound state of negative pions and neutrons”*
- O.Jachmenjov *“Search of low energy levels in excitation spectrum of ^6He from the $a+t$ interaction”*
- G. Kaminski *“Study of isotope and velocity distributions of light fragments in the $^{11}\text{B}(32.9 \text{ A MeV}) + ^9\text{Be}(^{27}\text{Al}, ^{197}\text{Au})$ reactions”*
- V.A. Karnaukhov *“Hot Nuclei: Comparative Study of Formation and Disintegration in Collisions of Light Relativistic Projectiles with Heavy Target”*
- E. Konobeevski *“Study of the nd-breakup reaction at neutron energy of 40-60 MeV”*
- V.M. Kyryanchuk *“Energy dependence of elastic scattering of ^7Li with light nuclei”*
- I.Lombardo *“Dynamical and thermodynamical properties of incomplete fusion events at 25 MeV/A”*
- M. Manganaro *“Preliminary results on the η' photoproduction at Graal”*
- S.S. Markochev *“New experimental method of investigation rare nuclear transformations accompanying atomic processes: bremsstrahlung emission in spontaneous fission of ^{252}Cf ”*
- S. P. Maydanyuk *“Bremsstrahlung emission accompanying decays, fission and collisions”*
- V. P. Mikhailyuk *“Manifestation of nuclear molecule-like configurations in the intermediate energy elastic scattering of particles by α -cluster nuclei”*
- A. Mushkarenkov *“Photoproduction of $\pi^0\pi^+$ on the deuteron at $E_\gamma = 0.7-1.5 \text{ GeV}$ ”*

- G.K.Nie “Masses and radii of nuclei with $n \geq z$ in an alpha - cluster model” + “Determination of parameters of single particle bound state potential” (one unique contribution)
- V.S.Olkhovsky “New developments in time analysis of low-energy and high-energy nuclear processes”
- S.R. Palvanov “Isomeric yield ratios and cross section ratios of the (γ, n) reaction on $^{85,87}\text{Rb}$ ” + “isomeric yield ratios of the reaction (γ, n) on $^{120,130}\text{Te}$ ” (one unique contribution)
- Yu.N. Pavlenko “Decay properties of short lived resonances of light nuclei in many-particle nuclear reactions”
- S.Yu. Platonov “Fission time of α -induced reactions measured by the crystal blocking technique”
- O. Povoroznyk “The excited states of ^4He studied by using the $^3\text{H}(\alpha, tt)p$, $^3\text{H}(\alpha, t\tau)n$ and $^3\text{H}(\alpha, td)d$ reactions”
- R. Sagaidak “Fusion Probability and Survivability Estimates in Production Cross Sections Predicted for Heaviest Nuclei”
- V. Scuderi “Structure effects in collisions induced by halo and weakly bound nuclei around the Coulomb barrier”
- V. Vegna “OMEGA photoproduction at GRAAL”
- O.A.Yuminov “Dynamic-statistical approach to the description of the induced fission in wide excitation energy range”

Proceedings

Invited talks and oral presentations of contributed papers will be published by the World Scientific in the International Journal of Modern Physics E , as a special issue .

Participants have to prepare a paper of 7 pages (for an oral presentation) or 12 pages (for an invited talk) in style of the *International Journal of Modern Physics E* (see guidelines of the website <http://www.worldscinet.com/ijmpe/mkt/guidelines.shtml>) .

When participants will be at Messina for the Conference, they will have to give the text of the article on an electronic support to the Organizer Committee.

Each paper will be submitted to a Referee for the reviewing process. Such a procedure is explicitly requested by the World Scientific.

Therefore, if the paper will be accepted it will be send for the publication in *International Journal of Modern Physics E* .

Travel and Accommodation

It is possible to reach Messina from Catania and Reggio Calabria airports.

On October 04th afternoon or evening will be arranged the bus connecting Catania airport (or Reggio Calabria airport) with Messina.

In any case, SAIS bus (from Catania) and Federico bus (from Reggio Calabria) connect the airports with Messina.

The last bus from the Catania airport is at 20:30.

The prices for hotel accommodation (bed and breakfast) are:

Hotel 4 stars:

- single room: **Euro 85,00** / per day
- double room: **Euro 120,00** / per day

Hotel 3 stars:

- single room: **Euro 70,00** / per day
- double room: **Euro 95,00** / per day

The price for meals (lunch or dinner) is **Euro 25,00** per person for a fixed menu.

Social Events

The **Welcoming Reception**, combined with the **registration**, will be held at the Main Building of the University (Piazza Pugliatti), on **October 04th** at **19:00 hrs**.

The **registration** will continue on **October 5th morning** at the “*Aula Magna*” of the University of Messina, and in the **afternoon** at the “*Aula Accademia Peloritana*” of the same building.

Banquet

The Conference Dinner is planned for **Wednesday October 07th**, at **20:00 hrs** after the excursion to Taormina.

For participants (or accompanying persons) exempted from the registration fee, the cost of the Conference dinner is **Euro 50,00** per person.

Weather Conditions

The weather is fine during the first part of October. There are sunny days with temperatures between 20-27°C. Sometimes it is possible to have a transient perturbation with wind and rain, but normally the weather is stable.

All correspondence concerning the Conference should be sent to:

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