



INTERNATIONAL CONFERENCE

ON RECENT TRENDS IN NUCLEAR PHYSICS-2012

(ICRTNP-2012)

November 19-21, 2012

THIRD CIRCULAR

SYMPOSIUM VENUE:

Chitkara University, Barotiwal, Solan-174103 (H.P.) India

ORGANIZED BY:

Chitkara University, Barotiwal

SPONSORED BY:

Board of Research in Nuclear Sciences (DAE-BRNS), Mumbai

Council of Scientific and Industrial Research (CSIR), New Delhi

Defence Research & Development Organization (DRDO), New Delhi

Department of Science and Technology (DST), New Delhi

Indian National Science Academy (INSA), New Delhi



WELCOME MESSAGE

Dear colleagues,

On behalf of the organizing committee, I have the honor and great pleasure to welcome you to the International Conference on Recent Trends in Nuclear Physics -2012 (ICRTNP-2012) will be held from Nov. 19 to 21, 2012, at Chitkara University, Barotiwala, INDIA.

This event has congregated more than 120 scientists, educators, engineers and organizations. This Conference is an opportunity of interaction with main motive to bring together not only leading nuclear physicists from India and abroad but also young researchers and post-graduate students currently involved in nuclear physics. The area includes of various National and International Laboratories and many more Institutes and Universities.

The conference will include some invited talks by eminent scientists, oral and poster presentations by young researchers including high energy physics, low and intermediate nuclear physics, astrophysics, nuclear fusion, nuclear detectors and Instrumentation and radiation instrumentation.

This Conference will certainly be helpful in exchange of new ideas, sharing of information and presentation of latest research results. I wish you a successful and rewarding meeting.

Yours Sincerely

(Dr. Sushil Kumar)

Barotiwala (H.P.)



SCOPE OF THE CONFERENCE:

The Conference will be devoted to the recent trends and developments in the experimental and theoretical nuclear physics. It will give ample opportunities to discuss and understand various phenomena of nuclear physics and will focus on the following topics:

- ❖ Nuclear structure at the drip lines and proton radioactivity
- ❖ Heavy - ion induced fusion-fission reactions and quasi-fission
- ❖ Isospin effects and nuclear symmetry energy in the nuclear reactions
- ❖ Collective flow, multifragmentation and sub threshold particle production
- ❖ Super-deformation and high-spin states
- ❖ Clustering in nuclei
- ❖ Synthesis of superheavy elements and their decays
- ❖ Nuclear astrophysics, neutron stars and nuclear matter equation of state
- ❖ Accelerator facilities, nuclear detector and radiation

The Conference will provide opportunities to interact with experts and help them build further collaborations with national and international scientists.

PROCEEDINGS:

The proceedings of the conference will be published by the American Institute of Physics - AIP Conference Proceeding Series. Detailed instructions for authors as well as templates in Latex or MS Word are available online at: <http://proceedings.aip.org/outline/8x11d>

AIP | Conference Proceedings

A digital object identifier (DOI) will be attributed automatically to each contributed paper for further citation. There will be no printed version of the proceedings. The contributions will be reviewed by the selected National and International Advisory Committee members.



SPEAKER:

1. Ameeya Bhagwat, UM-DAE CBS, Mumbai, **INDIA**
2. Anto Solaskano, Universitas Indonesia, **INDONESIA**
3. Aradhana Shrivastava, BARC, Mumbai, **INDIA**
4. Avazbek Nssirov, JINR, **RUSSIA**
5. Bijay Agarwal, SINP, **INDIA**
6. Christoph Hartnack, SUBATECH, **FRANCE**
7. David Jenkins, University of York, **UK**
8. Emanuele Vardaci, Università di Napoli, **ITALY**
9. Grigory Rogachev, Florida State University, **USA**
10. G. Politi, INFN Sezione di Catania, **ITALY**
11. Jan –E Alam, VECC, Kolkata, **INDIA**
12. Javid Ahmed Sheikh, University of Kashmir, **INDIA**
13. Jérôme Giovinazzo, Centre d'Etudes Nucléaires de Bordeaux, **FRANCE**
14. Jie MENG, Peking University, **CHINA**
15. Hari Prakash Sharma, BHU, Banaras, **INDIA**
16. Katsuhisa Nishio, Japan Atomic Energy Agency, **JAPAN**
17. Lola Cortina Gil, Universidad de Santiago de Compostela, **SPAIN**
18. Manoj Sharma, Thaper University, **INDIA**
19. Ning Wang, Guangxi Normal University, **CHINA**
20. N. Madhavan, IUAC, New Delhi, **INDIA**
21. P. Arumugam, IIT Roorkee, **INDIA**
22. Radhey Shyam, SINP, **INDIA**
23. R. Palit, TIFR, Mumbai, **INDIA**
24. S. K. Mandal, Delhi University, **INDIA**



25. S. Muralithar, IUAC, New Delhi, **INDIA**
26. Shan-Gui Zhou, Institute of Theoretical Physics, **CHINA**
27. Shiwei Yan, Beijing Normal University, **CHINA**
28. Sudhee R. Banerjee, VECC, Kolkata, **INDIA**
29. Suneel Kumar, Thaper University, **INDIA**
30. Suresh K Patra, IOP, Bhubaneswar, **INDIA**
31. Tak Hayakawa, Japan Atomic Energy Agency, **JAPAN**
32. Tomotsugu Wakasa, Kyushu University, **JAPAN**
33. VKB Kota, PRL Ahmadabad, **INDIA**
34. Wasi Haider, Aligarh Muslim University, **INDIA**
35. Yvonne Leifels, GSI, **GERMANY**

VENUE:

The Conference will be held at Chitkara University, Barotiwala, Himachal Pradesh located about 30 km from Chandigarh.

POSTER PRESENTATION:

The poster session will be held on 20th & 21st November, 2012 as per schedule near to the Guitar stage. The Poster dimension is 100cm X 80 cm (height X width). Materials for hanging the poster will be provided by the conference organizer. Poster can be put up at the start of meeting and should be removed by the end of last evening session of the day. An Ad-hoc Committee will select the best poster (s) at the conference.



FOR CONVEYANCE TO CONFERENCE VENUE

We would make arrangements for your conveyance from Chandigarh to the University campus. A shuttle bus service will operate on November 19 to November 21 from the selected points daily: -

From Chandigarh to University Campus (Via Mullanpur-Siswan Dam)

- (a) Departure Hotel Heritage (Sector 35-C), Chandigarh: 7:30AM
- (b) Departure Hotel Regent (Sector 35-B), Chandigarh; 7:40 AM
- (c) Departure Hotel Landmark (Sector 22-C), Chandigarh; 7:50AM
- (d) Departure PGI/Panjab University(Sector-14), Chandigarh; 8:00AM

Note: Those staying under their own arrangements in other hotels may reach the above pick-up points to avail of the bus facility.

From University Campus to Chandigarh

The buses will follow the same route in reverse order and would leave Chitkara University Campus 15 minutes after the last event of the day.

ACCOMMODATION:

Accommodation for limited number of delegates is arranged in the University Hostels. Other delegates are accommodated in the hotels located in the Chandigarh at negotiated prices. Information about the accommodation sent to the delegates already. If not received, please call or e-mail to the Local Organizer.

NOTE:

1. Hotels of various categories are available in Chandigarh; details are available on <http://chandigarhtourism.gov.in/>.
2. In case, if you are interested to visit Delhi and nearby Historical places, details are available on <http://www.delhitourism.gov.in/delhitourism/index.jsp>



WEATHER :

Weather remains very pleasant during the month November of Chandigarh city and nearby places. You will require warm clothes in morning and evening. The maximum temperature of day time remains about 20-22°C. For more information please follow the link

<http://www.weather-forecast.com/locations/Chandigarh/forecasts/latest>

CONFERENCE DINNER:

A cultural event followed by conference dinner will be organized on 20th Nov, 2012. This dinner is included in the registration fee.

VISA:

Foreign participants are required to possess a valid passport of their country and a valid Indian Visa. For more information please check

<http://india.gov.in/overseas.php>

INSURANCE:

Participants are strongly advised to make their own insurance arrangements. The organizers cannot accept any liability for personal injuries sustained, or for loss or damage to property belonging to participants and accompanying persons, either during or as a result of the Conference.

For details, please ask your insurance agent.

HOW TO REACH CHANDIGARH:

There are daily flights between Chandigarh and New Delhi, making it very convenient for global tourists to visit this city beautiful. Chandigarh has an airport which is located just 11km away from the city centre. **Free transportation would be provided to all the participants from Chandigarh to university campus to Chandigarh during the conference.** The Chitkara University (HP Campus) is well connected to Kalka and Chandigarh by road. It is about 8 kms from Kalka railway station and approx 30 kms from Chandigarh railway station. Pre paid taxis are available from Chandigarh ISBT, Railway



Station & Airport to the said Hotel(s)/University Campus. For more information and details please follow the conference website

<http://icrtnp2012.chitkara.edu.in>

COMPUTER & OTHER FACILITIES:

A few computers will be available for the participants in Computer labs and Wi-Fi network inside/outside the conference room. A separate room will be available for discussions.

REGISTRATION AND PAYMENT:

Participants are invited to register using the registration form available from 25th June, 2012 at <http://icrtnp2012.chitkara.edu.in>

Registration fee includes registration kit (conference materials), poster boards, book of abstracts, coffee/tea breaks and lunch on all days, dinner on 20th Nov, 2012 and cost of AIP proceedings of the Conference.

Conference Fees:

Registration fee for foreign participants	Before 3 rd Oct., 2012	\$ 200
	4 th Oct - 30 th Oct., 2012	\$ 250
	After 30 th Oct. 2012 or on site payment	\$ 300
Registration fee for foreign Graduate Students/ Research Scholar/Post Doc's # <i># a proof of status is mandatory from supervisor</i>	Before 3 rd Oct., 2012	\$ 100
	4 th Oct. - 30 th Oct., 2012	\$ 120
	After 30 th Oct. 2012 or on site payment	\$ 150
Registration fee for accompanying persons (Foreigners)	\$ 100	
Registration fee for Indian participants	Before 3 rd Oct., 2012	INR 2500



(Post Doc/Research Associates, Academic and Government)	4 th Oct. - 30 th Oct., 2012	INR 3000
	After 30 th Oct. 2012 or on site payment	INR 4000
Registration fee for Indian Students (UG/PG)*/Research Scholars*	Before 25 th Aug., 2012	INR 2000
	26 th Aug. - 30 th Oct., 2012	INR 2500
	After 30 th Oct. 2012 or on site payment	INR 3000
<i>* a proof of status is mandatory from supervisor/chairman</i>		
Registration fee for accompanying persons (Indian)	INR 1200	
Registration fee for Industry participants	Before 3 rd Oct., 2012	INR 5,000
	4 th Oct. - 30 th Oct., 2012	INR 7,500
	After 30 th Oct. 2012 or on site payment	INR 10,000

- *INR -Indian Rupees*

NOTE: Registration will be valid only if accompanied by corresponding payment.

THE REGISTRATION FEE IS NON-REFUNDABLE. The Conference Organizing Committee has tried its best to keep the Registration Fee as low as possible. Registration fee includes registration kit, book of abstracts, coffee/tea and lunch on all days, dinner on 20th Nov, 2012 and cost of proceedings of the Conference.

We feel very regretful that no funds will be available from the Organizing Committee to assist in your expenses.



Chief Patron

Dr. Ashok Chitkara

Patron

Dr. Madhu Chitkara

General Chair

Brig. (Dr) R. S. Grewal, Vice Chancellor, Chitkara University

Chairperson

Dr. Sushil Kumar, Chitkara University

Co-Chair

Prof. A. K. Jain, IIT Roorkee

Prof. Rajeev K. Puri, Panjab University

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Ms. Sakshi Gautam	Panjab University





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We look forward to seeing you
at

Chitkara University, India.