



**Canadian Institute of Nuclear Physics
Institut canadien de physique nucléaire**

April 2012 Newsletter

Prepared by: Garth Huber

In order to improve communications with its faculty and associate members, the CINP Board of Directors has decided to institute a periodic newsletter. We hope this will help keep our membership abreast of CINP activities and opportunities for support.

CINP Board Members.

President:	Kumar Sharma,	University of Manitoba	sharma@physics.umanitoba.ca
Vice-President:	Dave Hornidge	Mt. Allison University	dhornidge@mta.ca
Membership:	Garth Huber	University of Regina	huberg@uregina.ca
Treasurer:	Paul Garrett	University of Guelph	pgarrett@physics.uoguelph.ca
Secretary:	Peter Blunden	University of Manitoba	blunden@physics.umanitoba.ca
	Jens Dilling	TRIUMF	jdilling@triumf.ca

Webmaster: Zisis Papandreou University of Regina zisis@uregina.ca

CINP Scientific Working Group Chairs.

Hadron Structure/QCD:	Charles Gale	McGill University	gale@physics.mcgill.ca
Nuclear Astrophysics:	Barry Davids	TRIUMF	davids@triumf.ca
Nuclear Physics			
Education & Training:	Corina Andreoiu	Simon Fraser University	caa12@sfu.ca
Nuclear Structure:	Krzysztof Starosta	Simon Fraser University	starosta@sfu.ca
Beyond the Standard Model:	Gerald Gwinner	University of Manitoba	gwinner@physics.umanitoba.ca

CINP Sessions at the CAP 2012 Congress.

An exciting series of activities are planned at the CAP Congress (Monday, June 11, 2012) in Calgary, Alberta. The sessions are scheduled prior to the official start of the Congress on Monday afternoon, so please be sure to arrive early and attend the CINP sessions!

Time	Event	Speaker
Sunday, June 10		
17:00	CINP Board Meeting (closed)	
Monday, June 11		
8:30	Joint CINP/IPP session	
	NSERC SAP ES Chair's report	Randy Lewis
	TRIUMF Scientific Director's report	Reiner Kruecken
	SNOLAB Director's report	Nigel Smith
10:30	Coffee	
11:00	CINP Annual General Meeting	Kumar Sharma

Nuclear Astrophysics Update (submitted by Barry Davids).

As part of an effort to foster interactions among Canadian researchers active in nuclear astrophysics, the members of the community have produced a white paper entitled "Nuclear Astrophysics in Canada." This document provides a comprehensive overview of the state of Canadian research in the origin of the elements and the nuclear physics of extreme matter and astrophysical explosions. While the final stylistic touches are being put on the document, a final draft version can be downloaded via the link: <http://astro.triumf.ca/canadian-nuclear-astrophysics-white-paper>. One of the exciting projects that was conceived during the 2010 CINF-sponsored Canadian Workshop on the Nuclear and Astrophysics of Stars is the Nova Framework, a publicly available set of tools that individual researchers and students can use to study nova explosions and nucleosynthesis. This project is an ongoing effort supported by the NSF Joint Institute for Nuclear Astrophysics, TRIUMF, and the University of Victoria and can be accessed via <http://astro.triumf.ca/nova-framework>.

Best wishes to Jean-Michel Poutissou.

After more than 20 years as Associate and Science Director of TRIUMF, Jean-Michel Poutissou has stepped down to take up new challenges within the laboratory. During this period, he has had significant impact and influence on our community, via his role at TRIUMF, service on long range planning committees, conference organization, and other significant service. He has been a leading figure throughout the mandates of four directors and a period of significant changes at TRIUMF. These accomplishments were recently celebrated with a symposium given at TRIUMF in his honour. Poutissou has been selected to lead the TRIUMF's new nuclear-medicine program for the interim, and he will return to research life with the Tokai-to-Kamioka long-baseline neutrino collaboration in Japan after his retirement this year. The CINF conveys its congratulations to Jean-Michel for his long years of service and best wishes for the future.

Student Conference Support (submitted by Corina Andreoiu).

CINF has awarded 4 travel grants to support graduate students to participate in the 2012 WNPPC conference. <http://www.physics.mcgill.ca/WNPPC12/>

The recipients are:

Anthony Fradette, University of Victoria

Jason Sharpe, Saint Mary's University

Badamsambuu Jigmeddorj, University of Guelph

Alejandra Diaz Varela, University of Guelph

Also the CINF will sponsor several travel grants for graduate students and post-docs to CIPANP 2012. <http://cipanp2012.triumf.ca/>. The deadline for requesting financial support was Feb 24.

External Conference Support.

We wish to bring to the attention of faculty and associate members that the CINF may extend partial funding to workshops, meetings and conferences of broad relevance to nuclear physics in Canada. Requests are appraised against the mission and goals of the CINF, and funding is contingent upon satisfactorily showing that the event will further the aims of the CINF and benefit its members.

Application forms for external conference support are available from <http://www.phys.uregina.ca/cinp/node/41> and should be returned, when completed, to the Chair of the Scientific Working Group most closely related to the conference topic.

Recently supported conferences include:

- International Conference on Low Energy Antiproton Physics 2011 (LEAP 2011)

- 14'th Capture Gamma Symposium, September 2011
- Workshop on Coulomb Excitation Techniques with Radioactive Beams
- Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2012)
- Direct Reactions with Exotic Beams (DREB 2014)

Individual Membership.

The CINP currently has 87 individual members, who have membership the Scientific Working Groups (SWGs) as follows:

Nuclear Structure	37
Nuclear Astrophysics	25
Beyond the Standard Model	36
Hadrons and QCD	19
Nuclear Physics Education	25

The CINP is an ex-officio member on reviews such as the Advisory Committee on TRIUMF (ACOT), NSERC Subatomic Physics Large Project day, and the HEP Working Group re. Associate Membership of Canada at CERN. Therefore, it is important that the CINP have as broad membership as possible, and we are reaching out to individuals may be interested. If your students, PDFs and colleagues are not yet members of the CINP, please consider asking them to join and contribute to the activities of the SWGs.

The membership form and introduction letter have been updated are posted at:

http://www.phys.uregina.ca/cinp/sites/cinp/files/CINP_information_2012.pdf

http://www.phys.uregina.ca/cinp/sites/cinp/files/CINP_membership_form_12Jan04_fillable.pdf

or contact Membership Director, Garth Huber, for further information.

Institutional Membership.

The CINP is currently supported by seven institutional members, representing universities in 6 provinces plus TRIUMF. The institutional members are the owners of the CINP and are solely responsible for the election of the Board of Directors. Faculty and associate membership in the CINP is free. Institutional members annual dues are used to support the operation of the CINP and pay expenses not eligible to the CINP's NSERC grant. This includes the payment for the Executive Director, the search for whom is now underway. If your university is not yet a member, we encourage you to contact CINP President, Kumar Sharma, for further information.

NSERC Support for CINP.

The CINP gratefully acknowledges additional support from NSERC in the form of a Major Resources Support (MRS) grant. This grant supports the CINP's external conference support program, planning for the Long Range Plan, and other initiatives. We are pleased to report that in the most recent competition, NSERC has renewed the CINP's grant for the next three years, at the rate of \$8500 for 2012 and \$22,500 for 2013 and 2014. This is a very reasonable award given the tight nature of this years competition, and the large carry-over from previous years. Further details will be announced at the Annual General Meeting in Calgary on June 11.

Next Newsletter.

We encourage you to contact any board member regarding your suggestions for improvements to CINP operation, or topics for future newsletters.