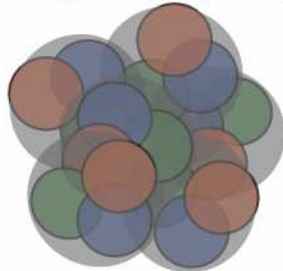


C I N P



I C P N

**Canadian Institute of
Nuclear Physics**

**Institut canadien de
physique nucléaire**

**Town Hall Meeting
June 13-14, 2015
Edmonton, AB**

NSERC's charge to 2017-21 LRPC



As announced on March 25: a new LRP exercise is to be conducted. It will cover the period 2017-2021 and include a look ahead to 2026.

LRPC Mandate:

Taking into account:

- i. the ever increasing internationalization of projects and collaborations in addressing the fundamental questions of subatomic physics
- ii. the concurrent requirement to maintain and further develop world-class domestic research programs and infrastructure
- iii. the established expertise and strengths of the Canadian community and
- iv. the recognition of the fact that the Canadian subatomic physics community cannot be involved in all research endeavours

the Committee is asked to identify subatomic physics scientific ventures and priorities that should be pursued by the community on a five- to ten-year horizon and that would ensure continuous Canadian global scientific leadership.

Budgetary estimates must be provided as well, including funding ranges for prioritized endeavours. These ranges should include funding levels that would allow for a restrained, yet efficient, contribution to the ventures, as well as levels that would enable a more extensive contribution.

N SERC's charge to 2017-21 LRPC



Process and Timeline:

- The CINP and IPP will be tasked to prepare briefs for the LRPC.
- These briefs must summarize the scientific vision and priorities put forward by the sub-communities they represent and serve, including both experimental and theoretical facets.
- Overall recommendations may also be included in the briefs.
- The briefs are to be submitted to NSERC no later than October 1, 2015; they will be forwarded to the LRPC.
- Eventual responses to the briefs by individuals or organizations would be accepted and should be submitted to NSERC; they would be forwarded to the LRPC.
- Throughout the process, the LRP Committee may also solicit additional input from various sources, as it sees fit.
- The LRPC will hold public consultations (town hall meetings) in late 2015 and early 2016, after receiving the briefs.
- Face-to-face or phone meetings of the Committee will then be held up to the spring of 2016.
- The LRPC will submit its final report to NSERC no later than September 1, 2016.

CINP's process



June 26: Final written briefs due

July 2-31: Brief committee has weekly teleconferences to discuss and coordinate writing of assigned chapters of Brief

Aug 1: Early draft of Brief is compiled from assigned chapters

Aug 6-7: Committee members meet in person at TRIUMF to finalize CINP Brief

Aug 10-15: Final edits by Brief Committee

Aug 18: Draft brief is released to NP community for comment

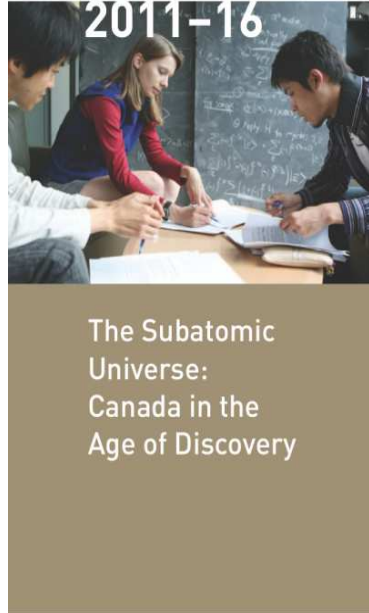
Sept 4: Comments due from NP community on draft CINP Brief

Oct 1: CINP Brief is officially released to LRPC

Dec 2015: CINP Brief is orally presented at LRP Town Hall Meeting

Canadian Subatomic Physics LRP

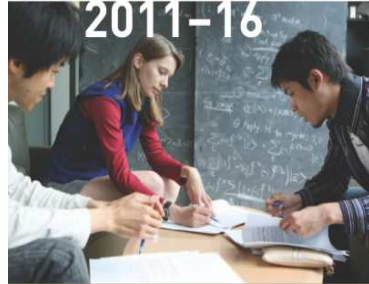
2011-16: Priorities in Nuclear Physics



- Continue and expand full exploitation of TRIUMF's ISAC-I and ISAC-II facilities, with unique suite of measurement tools, including new spectrometers and devices.
- Support key experimental initiatives offshore where Canadians lead. Examples:
 - Jefferson Lab Halls D,C,A following 12 GeV Upgrade.
 - Canadian Penning Trap at Argonne.
 - ALPHA at CERN.
- Maintain a vibrant and diverse theoretical community pursuing the most actively pursued questions in nuclear physics.

Canadian Subatomic Physics LRP

2017-21: Upcoming Nuclear Physics Projects



The Subatomic
Universe:
Canada in the
Age of Discovery

- Implementation of ARIEL project at TRIUMF, including second ISAC proton beam line and new actinide target stations, has tremendous potential for scientific discovery and advancement of the field.
- Movement of the Ultra-Cold Neutron (UCN) source from RCNP to TRIUMF would make it the world's most intense source of cold neutrons and allow the current limit on the neutron EDM to be improved by a factor of ~ 3 .