

# Canadian Subatomic Physics LONG RANGE PLAN FOR 2022 - 26

LRP Committee Co-chairs  
Adam Ritz (Victoria) & Brigitte Vachon (McGill)

LRP Website: [subatomicphysics.ca](http://subatomicphysics.ca)  
([physiquesubatomique.ca](http://physiquesubatomique.ca) en construction)



# LRP Committee

Name	Institution
Adam Ritz (Co-chair)	Victoria
Brigitte Vachon (Co-chair)	McGill
Eckhard Elsen (INTL)	CERN
Chris Jillings	SNOLAB
Rituparna Kanungo	St Mary's
Bob Laxdal	TRIUMF
Augusto Macchiavelli (INTL)	LBNL
Juliette Mammei	Manitoba
Jeff Martin	Winnipeg
Niki Saoulidou (INTL)	Athens
Kate Scholberg (INTL)	Duke
(Others TBC)	

Thank you to everyone for their willingness to serve and support this process

# LRPC non-voting members/observers

Position	Name
CINP Executive Director (non-voting)	Garth Huber
IPP Director (non-voting)	J. Michael Roney
NSERC Team Leader (non-voting)	Emily Diepenveen
SAPES Co-chairs (non-voting)	TBA
TRIUMF Director (ex-officio)	Jonathan Bagger (or delegate)
SNOLAB Director (ex-officio)	Nigel Smith (or delegate)
Perimeter Institute Director (ex officio)	Cliff Burgess (delegate)
CFI Director of Programs (ex officio)	Mohamad Nasser-Eddine (or delegate)

Provide expert input to LRPC members, if requested, but will not participate in the formulation of the LRP Recommendations and writing of the report.

# LRPC Mandate

## Based on broad consultation with the Canadian community:

- Identify subatomic physics scientific ventures and priorities that should be pursued by the community on a 5-15 year time horizon and that would ensure continuous Canadian global scientific leadership.
- Provide budgetary estimates (for capital and operations), including funding ranges for prioritized endeavours allowing for (i) a restrained, yet efficient, contribution, and (ii) more extensive involvement.
- Address funding opportunities, the relationship between funding agencies and other organizations, the activities of national research organizations, and the international context.
- Address Equity, Diversity and Inclusion and support for early career researchers within the the subatomic physics community.

**NB: LRP scope is 2022 - 2036; plan active from 2022 - 2026**

# Background

- The increasing internationalization of projects and collaborations in addressing the fundamental questions of subatomic physics
- The requirement to maintain and further develop world-class domestic research programs and infrastructure
- The established expertise and strengths of the Canadian community
- Recognition that the Canadian subatomic physics community cannot be involved in all research endeavours

# Purpose and Value

- An inclusive planning process helps to strengthen and coordinate the Canadian SAP community, enabling an efficient pursuit of the science it considers most important and maximizing global impact
- The LRP report clarifies the status of current and future projects, and advises funding agencies of these priorities and the funding needs
- The report communicates to international partners (and policy makers) the Canadian plans and priorities, and resource requirements

# Process

- **LRP is inclusive of research in the NSERC SAP ES scope**
  - All research areas within the CINP/IPP mandate are requested to work within the Institute's processes to prepare briefs (by Dec 1st). Research outside CINP/IPP may submit briefs directly.
- **Consultation process**
  - Community surveys
  - Mini-townhalls - 5-6 short themed meetings, at centres across the country in February 2021
  - Comprehensive townhall meeting to be held in early April 2021 (hopefully in person, TRIUMF)
  - Virtual townhall with draft recommendations prior to CAP Congress 2021
- **Deliverable**
  - LRP Report by September 30, 2021

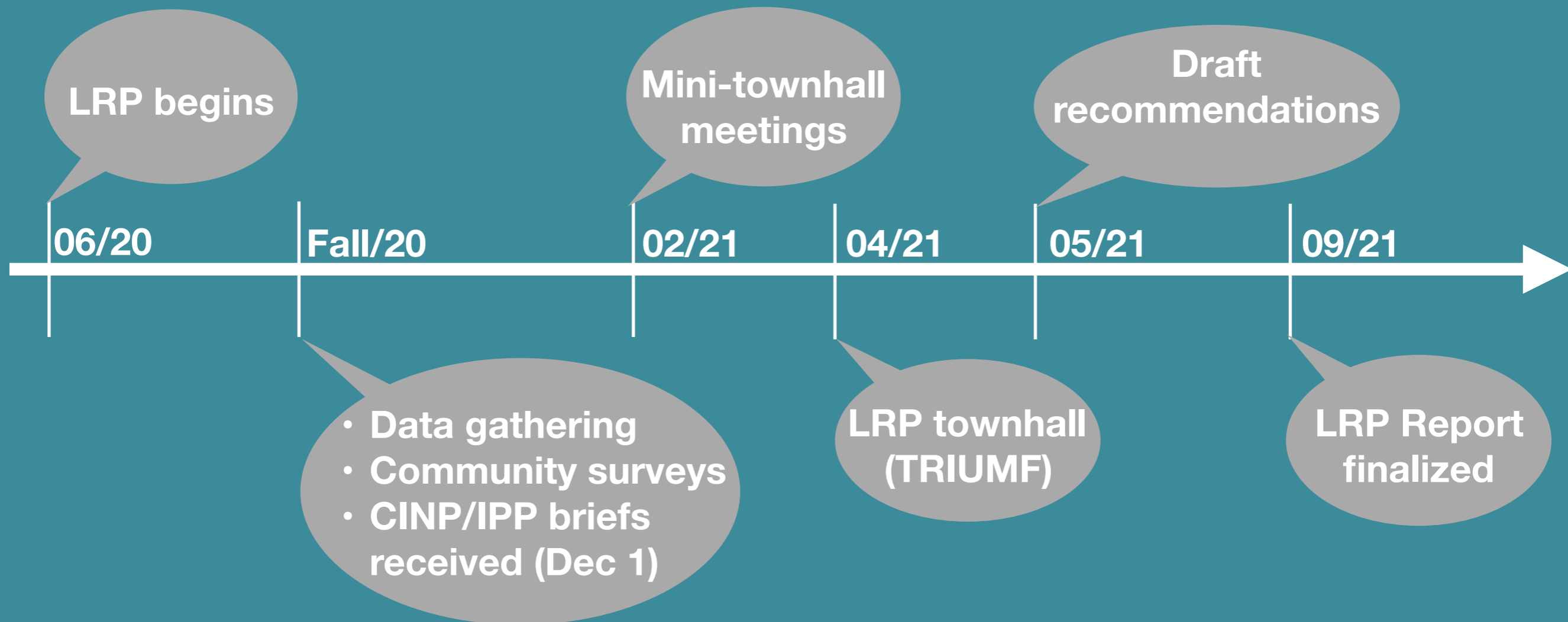
# Mini-townhall meetings

## Goals of holding 5-6 short themed meetings, hosted at centres across the country and utilizing videoconference

- Enhance the inclusivity of the planning process, to hear from the entire community, including invited international speakers who can present a global perspective, and from students, postdocs, and early career researchers.
- Highlight SAP research across Canada, providing a national spotlight on individual departments and institutions.
- Facilitate focussed discussion on several topics:
  - essential pillars enabling SAP research (e.g. instrumentation, facilities, computing).
  - broader issues (industry connections, education & outreach, career progress, EDI, community organization and public policy)



# LRP Schedule



LRP Website: [subatomicphysics.ca](http://subatomicphysics.ca)