

# Canadian Subatomic Physics

## LONG RANGE PLAN 2022 - 26

Community Topical Townhall consultation

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

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### Community Topical Townhall consultation

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- Welcome and land acknowledgement
- Public forum - respect, inclusion and courtesy are requested

# SAP Long Range Plan 2022



## Topical Townhall 1: SAP Community

- Tues Feb 16, 9am-11am PST [Education, Training and Careers]
- Wed Feb 17, 11am-1pm PST [EDI, Early Career Researchers, Community Org]

## Topical Townhall 2: SAP Science Opportunities

- **Mon Mar 8, 11:30am-1:30pm PST [Science Planning and Opportunities]**
- Wed Mar 10, 9am-11am PST [SAP Connections]

## General Community Townhall

- Tues-Wed April 20,21

# Canadian Subatomic Physics

## LONG RANGE PLAN 2022 - 26

### Topical Townhall 2: Scientific Opportunities

# Science Planning and Opportunities

*LPR Committee Conveners:*

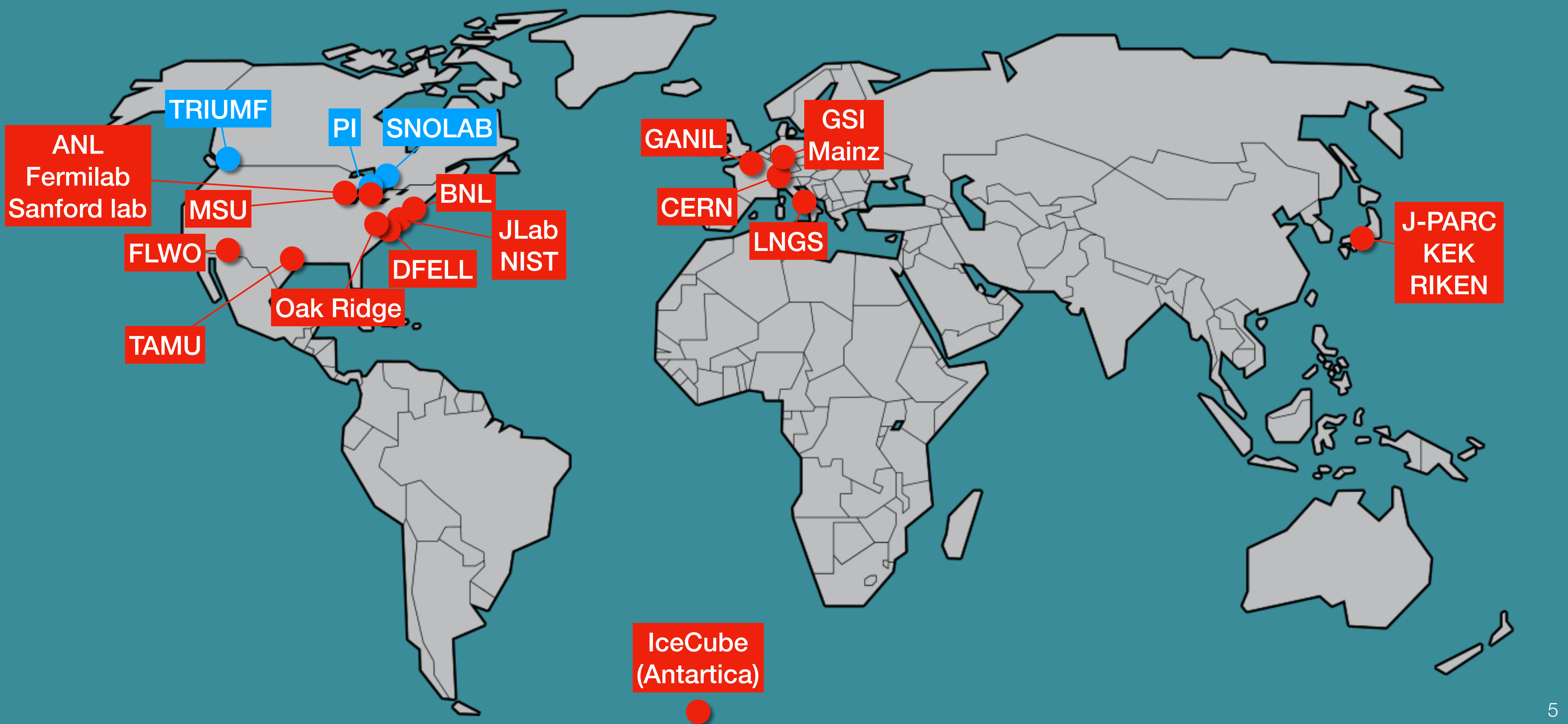
Eckhard Elsen (DESY)

Jeff Martin (Winnipeg)

Niki Saoulidou (Athens)

March 8th, 2021

# Canadian SAP activities



# Science Planning and Opportunities

**Aims:** To explore the opportunities and planning needed for Canadian subatomic physics to optimize its impact within the global context.

**Format:** The discussion will be led by an international panel with expertise ranging across nuclear, particle and accelerator physics and instrumentation.

- I will pose a discussion topic in the form of a question, and provide some context
- First, I will call on panel members to comment on the question
- Then, the floor will be opened to the audience for additional discussion
  - Please raise your hand in Zoom, or type into the chat, or send a private chat message to either Brigitte Vachon or Adam Ritz to be read without your name
- We have ~30 mins/question. Slack is available to continue the discussion offline (link in the chat)

Notes will be taken, but the meeting will not be recorded.

# Panel Members

- **International Members**

- ▶ Maria Borge (CERN, Spokesperson - ISOLDE)
- ▶ Marcel Demarteau (ORNL, Head of Physics Division)
- ▶ Lia Merminga (Fermilab, Director of PIP-II Program)
- ▶ Mark Thomson (Cambridge, Executive Chair - STFC)

- **Responding to specific topics**

- ▶ Jens Dilling (TRIUMF, Associate Lab Director for Physical Sciences)
- ▶ Art McDonald (Queen's, Former Director - SNO, Nobel 2015)
- ▶ Nigel Smith (SNOLAB, Executive Director, incoming Director of TRIUMF)

# Discussion topics

- What are the advantages and disadvantages of stronger coalescence of the Canadian subatomic physics community around a few selected projects, and of mission driven funding?
- Is the Canadian subatomic physics community ambitious enough? What are the major limitations?
- How can the Canadian subatomic physics community continue to position itself for further development and full exploitation of emerging technologies (AI, quantum sensors, etc)?



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# Wrap-up

**Thank you for your participation!**

Further feedback is welcome

- ▶ Email: [lrpc@subatomicphysics.ca](mailto:lrpc@subatomicphysics.ca)
- ▶ Slack: <https://canadian-sap-lrp-2022.slack.com>
- ▶ Anonymous Survey: <https://www.surveymonkey.ca/r/STHSK3D>

**Topical Townhall 2: Subatomic Physics Connections:  
Interfacing to other fields and society**

**Wed Mar 10, 9:00AM - 11:00AM PST**

**Looking forward to your input**