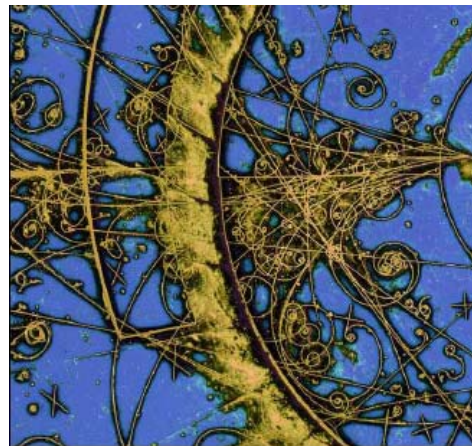


# Life after the 2006 Long-range Plan

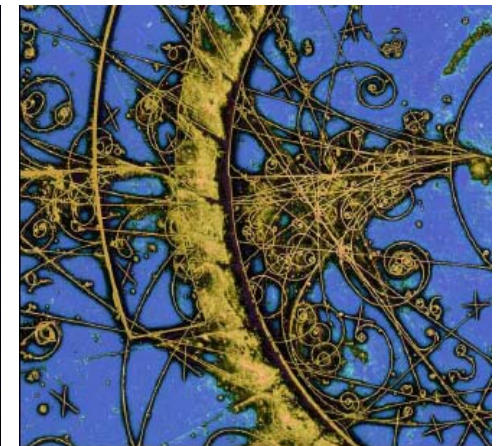
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K. Ragan  
McGill University  
Chair, 2006 LRP committee



Perspectives on  
Subatomic Physics  
in Canada for  
2006-2016

REPORT OF THE NSERC  
LONG-RANGE  
PLANNING COMMITTEE



Perspectives sur  
la physique subatomique  
au Canada  
2006-2016

RAPPORT DU COMITÉ  
DE PLANIFICATION À  
LONG TERME DU CRSNG

# Outline

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- Reminder of LRP salient points
- What has happened since the LRP
  - Production of smaller brochure
  - subatomicphysics.ca website
  - “Lobbying” efforts in Ottawa
- Where we’re going
- Ways you can get involved
- The outlook

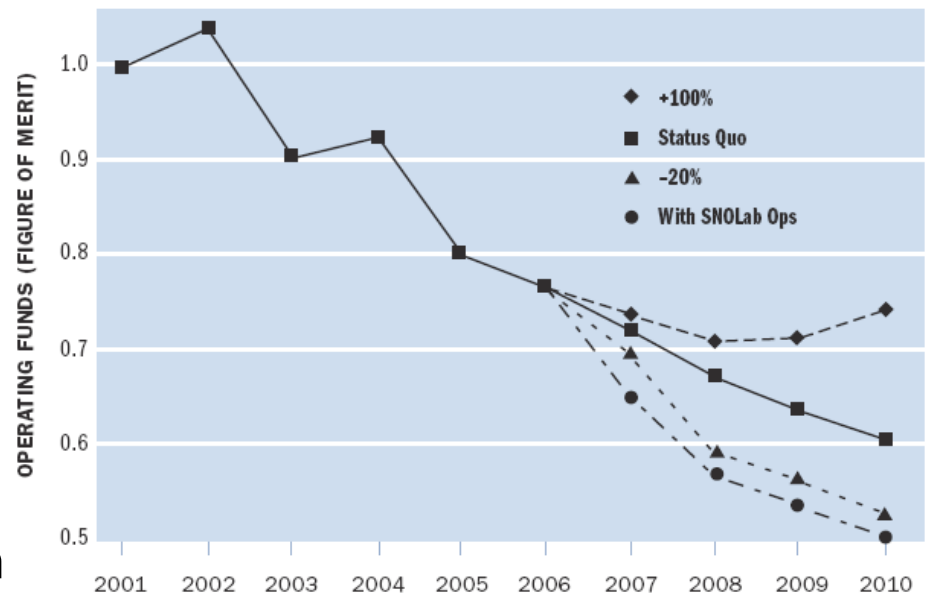
# Reminder of LRP salient points

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- NSERC-sponsored process but community driven
- Surveyed the current state of SAP in Canada and progress since the last LRP in 2001
- Identified 6 high-priority areas for Canadian SAP over the next decade:
  - ATLAS .. ISAC .. SNOLab .. T2K .. ILC .. Breadth
- Examined 4 GSC-19 budget scenarios:
  - -20% over 10 years
  - Status quo
  - +100% over 10 years
  - Status quo with SNOLab operations coming from GSC envelope

# Reminder of LRP salient points (II)

- Found a strong, focussed and growing community with significant successes in our previous LRP priorities
- Identified a metric to measure budget scenarios
- Found only ONE scenario (+100%) to be consistent with our community's aspirations of leadership and effective exploitation of past investments

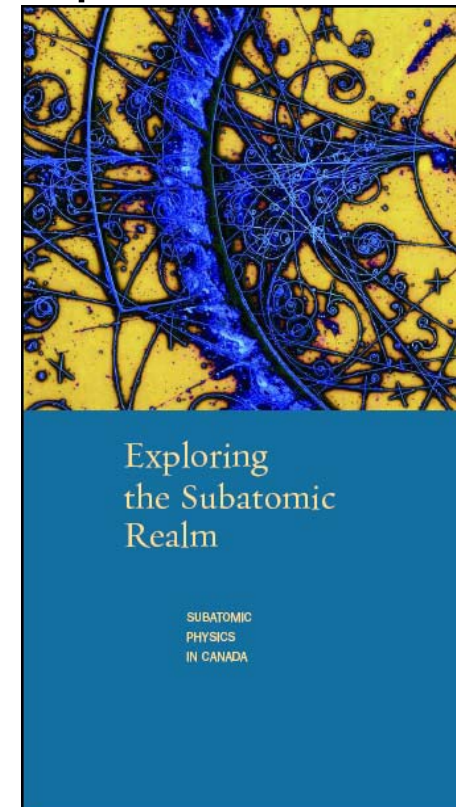
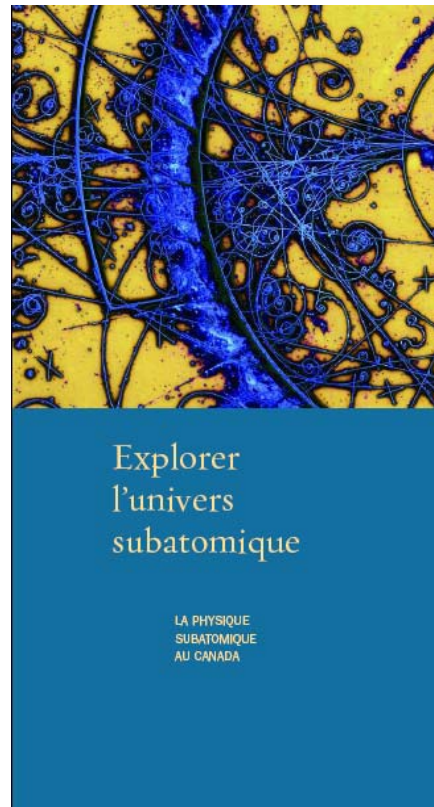


- This will NOT happen on its own

# Since the LRP

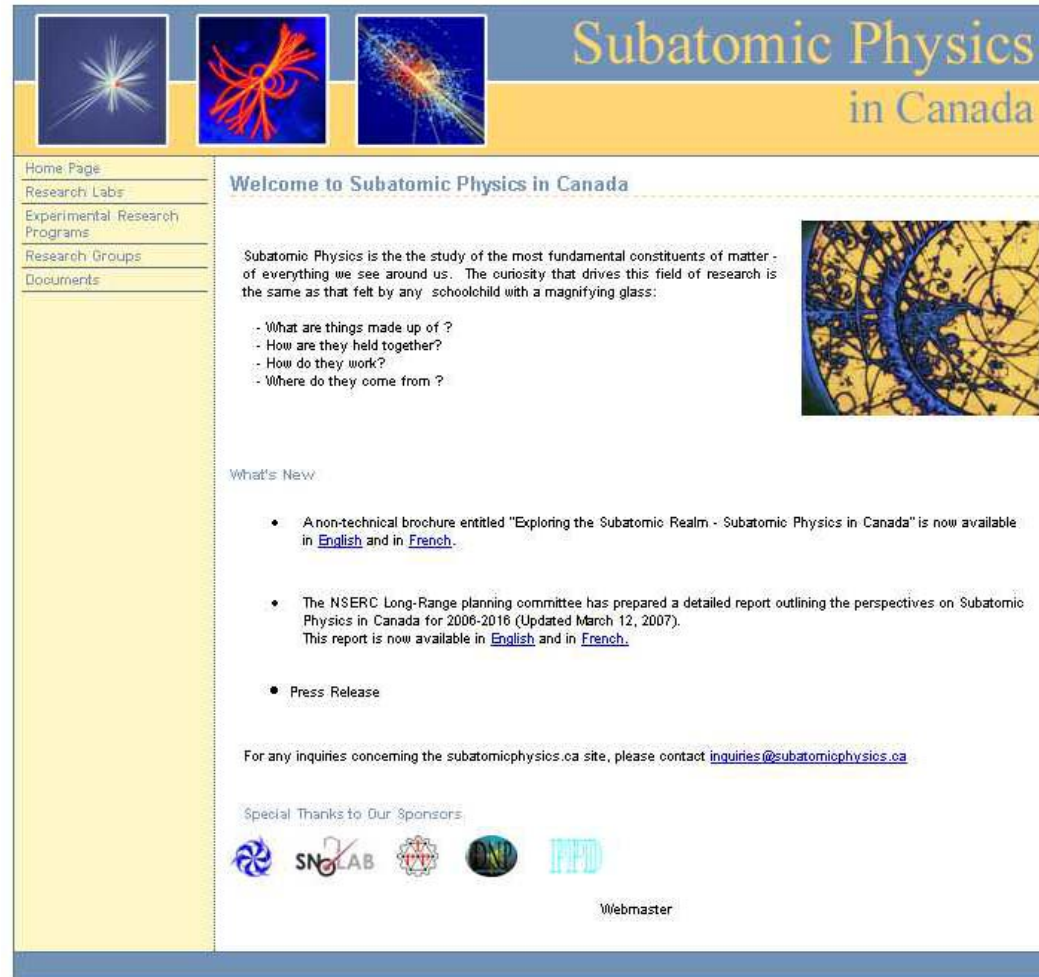
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- LRP document finalized in fall '06
- Results have informed two GSC competitions
- Smaller, “flashier”, less technical brochure produced in Feb '07



# Since the LRP (II)

- Website setup as public portal (documents, press releases, links to university groups):  
[www.subatomicphysics.ca](http://www.subatomicphysics.ca)
- Still in its infancy; ideas welcomed!
- Please send your links (for SAP groups) to me and/or William Trischuk



The screenshot shows the homepage of the Subatomic Physics in Canada website. The header features three images of particle tracks and the title "Subatomic Physics in Canada". A navigation menu on the left includes links for Home Page, Research Labs, Experimental Research Programs, Research Groups, and Documents. The main content area has a welcome message, a definition of subatomic physics, a list of questions, and a "What's New" section with three bullet points. At the bottom, there are logos for sponsors like SNOLAB and IPPD, and a "Webmaster" link.

Subatomic Physics  
in Canada

Home Page  
Research Labs  
Experimental Research Programs  
Research Groups  
Documents

Welcome to Subatomic Physics in Canada

Subatomic Physics is the the study of the most fundamental constituents of matter - of everything we see around us. The curiosity that drives this field of research is the same as that felt by any schoolchild with a magnifying glass:

- What are things made up of ?
- How are they held together?
- How do they work?
- Where do they come from ?

What's New

- A non-technical brochure entitled "Exploring the Subatomic Realm - Subatomic Physics in Canada" is now available in [English](#) and in [French](#).
- The NSERC Long-Range planning committee has prepared a detailed report outlining the perspectives on Subatomic Physics in Canada for 2006-2016 (Updated March 12, 2007). This report is now available in [English](#) and in [French](#).
- Press Release

For any inquiries concerning the subatomicphysics.ca site, please contact [inquiries@subatomicphysics.ca](mailto:inquiries@subatomicphysics.ca)

Special Thanks to Our Sponsors

SNOLAB IPPD

Webmaster

# Since the LRP (III)

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- Extensive effort to use LRP as starting point for discussions with Ottawa decision makers:
  - Agencies & departments:
    - NSERC
    - NRC
    - Industry Canada (including Office of the NSA)
  - NGOs:
    - CFI
    - CAS
  - lobbying groups:
    - CCR
    - AUCC
- General publicity (articles in Symmetry, CERN Courier)

# Where we hope to go

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- Continue 'soft' lobbying
- Move to more 'political' lobbying – including locally (university administrators, MPs) & in Ottawa
- Define & refine our “ask” (see next page)
- Continue discussions with astronomy people about joint lobbying – there are many common points with SAP

# What is our “ask” ?

---

- Has to be well-defined, concise, non-fuzzy
- Must be well-supported by the community
- To set scale: +100% funding scenario in GSC-19 envelope is \$100M in new funding over 10 years
- How to evaluate potential CFI & TRIUMF demands, since LRP (as per its mandate) specifically focused on NSERC GSC-19 only?
- SNOLab experiments, ATLAS & ISAC upgrades, ILC could conceivably double (triple, quadruple,...?) GSC-19 figure

# What is our “ask” ?

---

- There could be other elements in our “ask”:

|                | Past 10 yrs | Next 10 yrs – status quo | Next 10 yrs – growth |
|----------------|-------------|--------------------------|----------------------|
| NSERC – GSC 19 | 230         | 230                      | 330                  |
| CFI            | 75          | ~30?                     | ~100?                |
| TRIUMF         | 400         | 450                      | 600                  |
| <b>Totals</b>  | <b>705</b>  | <b>710</b>               | <b>&gt;1000</b>      |

# Ways you can get involved

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- We DO need help – but we recognize that not everyone is comfortable with ‘lobbying’
- To help:
  - Together with other SAPers, talk to your University administrators (Dean, VP Research, President) – bring them up to speed on the LRP
  - Send your MP a copy of the LRP & brochure, explain the LOCAL connection, and invite them to visit your lab or department
  - Stay in contact – with William Trischuk (IPP) or me

# The outlook

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- As point of comparison, Astronomy LRP is now ~7 years old, and they have had some success: ~\$90M in new investments over last several years
- They are now feeling that they've hit a 'ceiling' and are wondering how to proceed further
- New elements have emerged on the Ottawa landscape: recent budget, new S&T policy, arrival of CECRs.
- Our efforts should be to persuade the government that ALL basic science needs to be reinforced
- Personally I believe we have a non-zero probability of doing this, but it will not be easy and is NOT a sure thing!