

SNOLAB Workshop

August 27th & 28th 2009

Second Bulletin

1. Introduction

This is an exciting time for the SNOLAB facility as we make the transition from laboratory construction to deployment of the first of the new suite of experiments. The SNOLAB workshop will review the overall science programme, with a major part of the workshop devoted to the astro-particle physics programme. The SNOLAB Experiment Advisory Committee will again review the science programme and provide advice and guidance to the SNOLAB Directorate.

The main goals of the workshop will be:

- To discuss the overall science programme and objectives of SNOLAB
- To review new applications to the Experimental Advisory Committee.
- To allow the Experiment Advisory Committee to review the progress of approved and running SNOLAB experiments, to discuss their infrastructure and resource requirements.
- To review the assignments for space underground

The objective of the meeting is to provide SNOLAB with a well-understood roadmap towards realizing the current experimental programme, and an understanding of future infrastructure needs for new experiments such that we can tailor the facility to suit. We are therefore making a renewed call for Letters of Interest and Proposals to be received by SNOLAB by Aug 9th, 2010. If your project wishes to be sited at SNOLAB within the next few years, we would be pleased to receive a proposal and have a presentation at SNOLAB 2010. In addition, we would welcome requests for development or prototyping space.

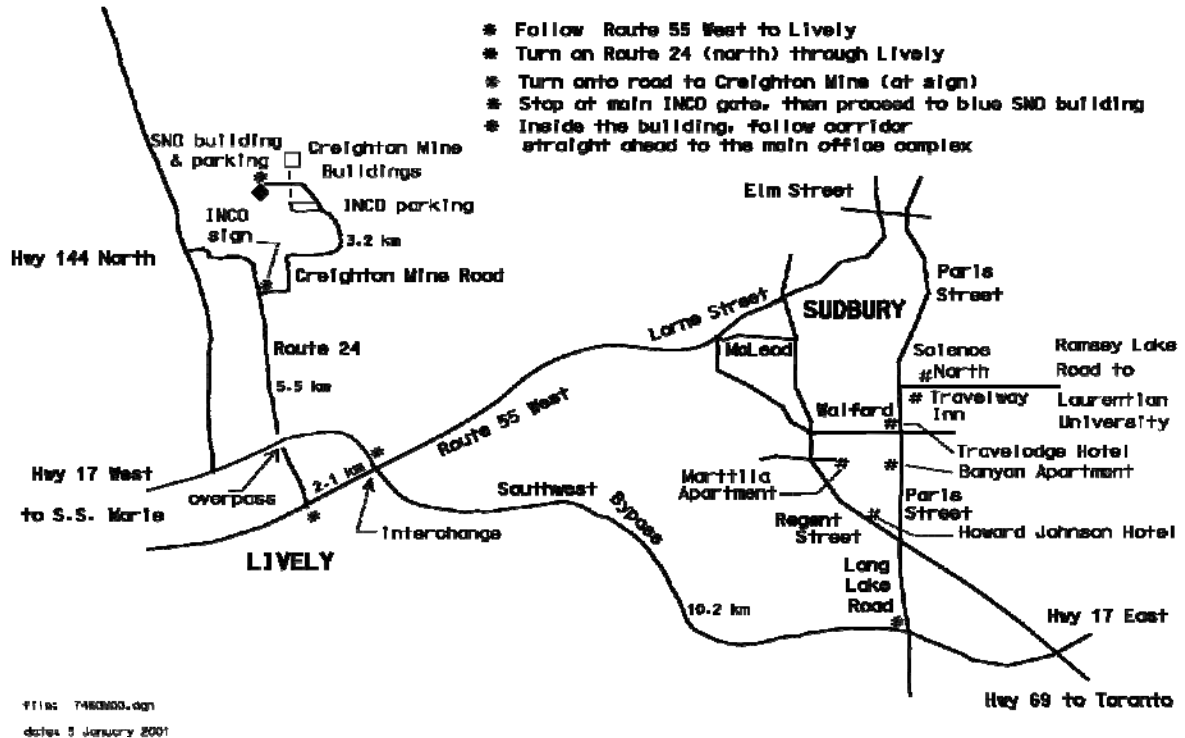
2. Venue and location

The workshop will be held in the surface lecture theatre of the SNOLAB facility. Directions to the facility may be found on the SNOLAB travel [webpage](#).

Please note that SNOLAB is accessed through property belonging to the Vale mining company. **Please adhere to all road traffic signs, especially stop signs.** The Creighton mine is in production, which means there is significant road traffic, including large trucks and vehicles. Parking is available at the SNOLAB surface building.

For accompanying guests, or in the odd spare moment, Sudbury has many visitor attractions in the local environment, details may be found on the city tourist [website](#). These include the Science North science centre, Dynamic Earth, its sister geology centre (including underground tours), art galleries, museums, several shopping malls, sports facilities, walking trails within and around the city, many lakes accessible for swimming or kayaking, cinema complexes, restaurants, etc.

DIRECTIONS TO SUDBURY NEUTRINO OBSERVATORY:



3. Transportation to/from site

Transportation to Sudbury should be arranged by the participants. Sudbury has a local airport, from which rental cars may be arranged, or taxis may be taken into town. There is also an airport shuttle (tel: 1-866-230-3332) which may be booked in advance. Given the size of the airport, it is likely that many participants will be on each flight, making sharing of taxis possible.

For those who requested it, we will be providing minibus transportation from the two conference hotels to the SNOLAB site (about a 25 minute drive). The driver will not have a pickup list of delegates, so please ensure you are at the hotel entrance on time. Expected pickup times are:

Wed:	07:30 Pickup at Travelodge and Holiday Inn, transport to SNOLAB 18:00 Pickup at SNOLAB, transport to Sixth Avenue Golf course 22:00 Pickup at Sixth Avenue Golf course, transport to Travelodge and Holiday Inn
Thurs:	07:45 Pickup at Travelodge and Holiday Inn, transport to SNOLAB 16:15 Pickup at SNOLAB, transport to Travelodge and Holiday Inn
Fri (tour):	06:30 Pickup at Travelodge and Holiday Inn, transport to SNOLAB 14:00 Pickup at SNOLAB, transport to Travelodge and Holiday Inn

4. SNOLAB tours

We will have an underground tour on Friday August 27, 2010. Please note:

- Contact lenses are strictly prohibited underground.
- Wear good socks. We suggest men wear socks and underwear under the mine gear.
- Women should wear a tshirt and shorts. (There is a 4" slit in the coveralls that some women might find immodest if wearing small briefs.)
- If you have long hair, please tie it in a ponytail.
- Lockers are available on surface. Showers are available on surface after the tour.
- We supply mine gear and clean-room clothing.

5. Agenda

The workshop agenda is appended to this bulletin. For speakers giving talks related to the SNOLAB programme, please assume that at least 10-15minutes of the time allocated to the talk should be dedicated to questions. This will allow the EAC time to discuss the projects fully with the proponents, allowing the committee to review the status of these experiments and applications. The project P.I.s will then have an opportunity to discuss projects further with the EAC during the closed session.

6. Secretariat

For questions related to the 2010 workshop, please contact snolab2010@snolab.ca

7. Computer access and talks

Wireless access is available within the SNOLAB surface building. As in previous years, talks will be collected by USB-stick and placed on the conference web pages.

8. Accommodation

Although block bookings have now been released, rooms may still be available at the following hotels:

1. [Travelodge](#) - (705) 522-1100
1401 Paris Street, Sudbury, ON, P3E 3B6
18 rooms
Rates of \$99/\$109/\$121.
Key word: CGSNO7 when reserving
Check in Aug 24, Check out Aug 27
2. [Holiday Inn](#) - (705) 522-3000
25 rooms
Rates of \$100/\$120.
Key word: WOR-SNOLAB WORKSHOP when reserving
Check in Aug 25/26, Check out Aug 28/29
3. [Hampton Inn Sudbury](#) - (705) 523-5200 or 1-800-HAMPTON
2280 Regent Street, Sudbury

SNOLAB Workshop Agenda August 25th & 26th 2010

Wednesday, August 25th 2010

08:00 – 08:45	<i>Registration</i>	
08:00 – 08:45	<i>EAC in Camera</i>	
Session I: Welcome and SNOLAB status <i>Chair: Nigel Smith</i>		
08:45 – 08:50	Welcome and Logistics	Nigel Smith
08:50 – 09:00	Aims of the meeting	Nigel Smith
09:00 – 09:30	Status of the SNOLAB facility	Fraser Duncan
Session II: Status of SNOLAB Experimental Programme: Neutrino <i>Chair: Nigel Smith</i>		
09:30 – 10:30	Status update and progress on the SNO+ neutrino experiment	Mark Chen
10:30 – 11:00	<i>Coffee in atrium</i>	
11:00 – 11:45	Status update and progress on the HALO supernova detector	Clarence Virtue
11:45 – 12:30	Status update and progress on the EXO double beta experiment	Jacques Farine
Session IIIa: Status of SNOLAB Experimental Programme: Dark Matter <i>Chair: Nigel Smith</i>		
12:30 – 13:15	Status update and progress on the super-CDMS Test Facility and plans for sCDMS at SNOLAB	Wolfgang Rau
13:15 – 14:15	<i>Lunch on third floor</i>	
14:15 – 15:15	Status update and progress on the DEAP-3600 dark matter experiment	Mark Boulay
15:15 – 16:00	Status update and progress on the COUPP dark matter experiment	Eric Ramberg
16:00 – 16:30	<i>Coffee in atrium</i>	
16:00 – 17:45	<i>EAC in Camera</i>	
Session IVa: News from around the world <i>Chair: Richard Ford</i>		
16:30 – 17:00	International underground facility upgrades	Nigel Smith
17:00 – 17:30	Backgrounds within underground facilities	Vitaly Kudryavtsev
18:30 for 19:00	<i>Workshop Dinner: Sixth Avenue Golf Club, Lively</i>	
		All

SNOLAB Workshop Agenda August 25th & 26th 2010

Thursday, August 26th 2010

08:15 – 08:45	<i>Registration</i>	
Session IIIb: Status of SNOLAB Experimental Programme: Dark Matter <i>Chair: Nigel Smith</i>		
08:45 – 09:45	Status update and progress on the MiniCLEAN dark matter experiment	Andrew Hime
09:45 – 10:30	Status update and progress on the PICASSO dark matter experiment	Carsten Krauss
10:30 – 11:00	<i>Coffee in atrium</i>	
10:30 – 15:00	EAC in Camera	
Session IVb: News from around the world <i>Chair: Richard Ford</i>		
11:00 – 11:30	Update from DEAP-I: a liquid argon dark matter detector	Chris Jillings
11:30 – 12:00	Update from Darkside-50: a two-phase argon dark matter detector	Alex Wright
12:00 – 12:30	Recent results from the CDMS dark matter detector	Philippe di Stefano
12:30 – 13:30	<i>Lunch on third floor</i>	
Session IVc: News from around the world <i>Chair: Chris Jillings</i>		
13:30 – 14:00	Update on the Majorana double beta decay detector	Melissa Boswell
14:00 – 14:30	Update and progress on the COBRA double beta decay detector	Kai Züber
14:30 – 15:00	Update and recent results on the CUORE double beta decay programme	Filippo Orio
15:00 – 15:30	<i>Coffee in atrium</i>	
Session V: Feedback and close-out		
15:30 – 15:55	Feedback from EAC	Stewart Smith
15:55 – 16:00	Closing Remarks	Tony Noble

Friday, August 27th 2010

Underground tour – logistical details will be provided separately