


Welcome to ANL ASC for an ATLAS Analysis Jamboree 9-11 Sept 09

Some information for the participants



ANL ASC
ATLAS analysis support center at ANL



Our mission

ATLAS detector



Our mission is to support **ATLAS** physics analyses, in particular for ATLAS physicists at US mid-west Institutes. We are one of the three **Analysis Support Centers** in the US.

We offer:

- Meeting and office space for visitors.
- A dedicated video conference facility.
- A model Tier-3 for ATLAS analysis. See [Gateway Policies](#).
- ATLAS computing expertise and consultation.
- Analysis expertise and consultation.

The ANL ASC is operated by [the ANL ATLAS group](#).

Our mission

Getting an account

Working at ASC

Meetings

Useful links

Getting to ANL ASC

While at ANL ASC

Contact

Latest news:

August 3, 2008:
BNL/ANL/LBNL Joint Jamboree 9-12 September
[Information »](#)

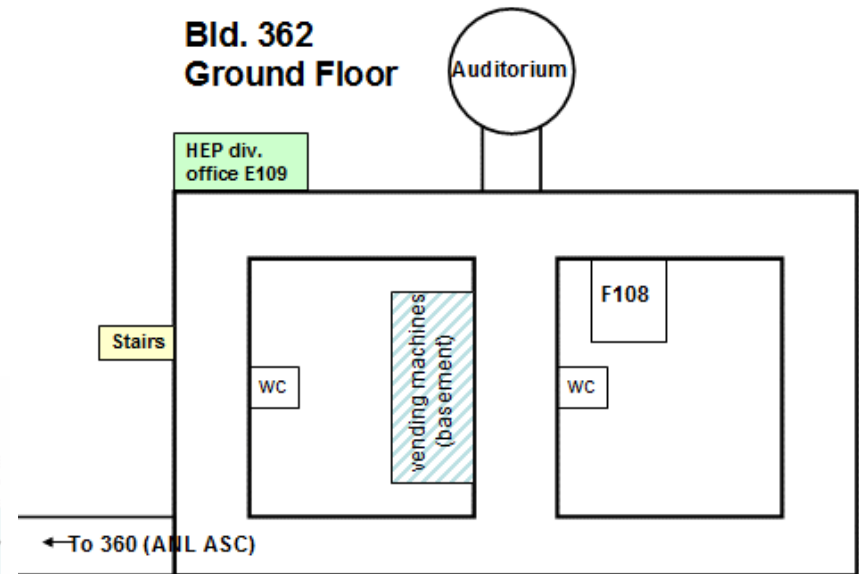
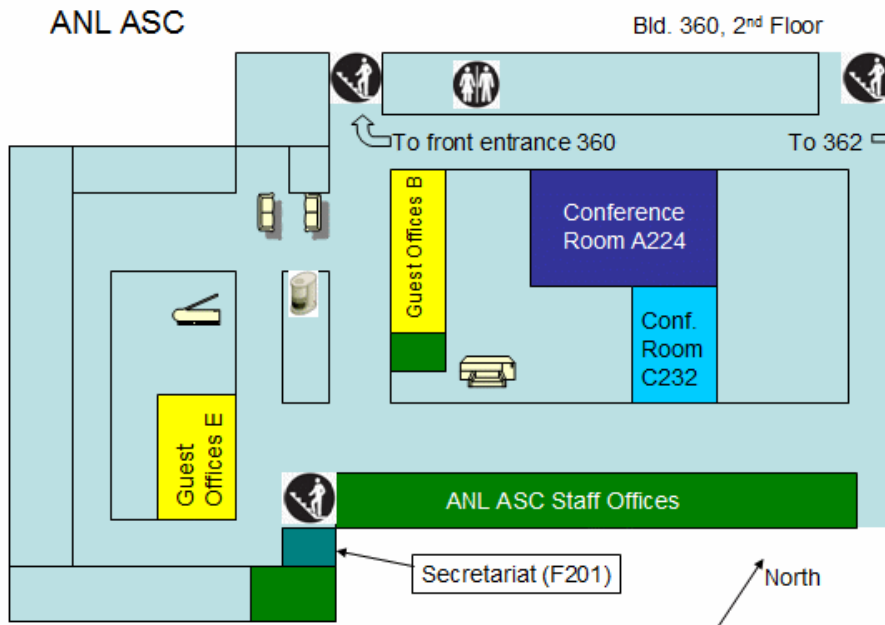
July 17, 2008:
Tom LeCompte next ATLAS physics coordinator
[Article »](#)

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Most of what I say now is in the web page:
<http://atlaswww.hep.anl.gov/asc/>

Safety information

- Emergency phone number is 911
- Siren means evacuate the building.
- Other emergency action will be announced via PA



Telephones and faxes:

Calling out: 7 to get the outside line.

Calling an internal ANL number: 2+extension.

Calling into ANL from outside: (+1) 630 252 +extension.

Telephones: in the Guest Offices E and B are available for your use.

ANL ASC Secretariat (Jen) : F201 x6290

HEP Division Office : Bld. 362 E109: x6270

Extensions of ANL ATLAS group members

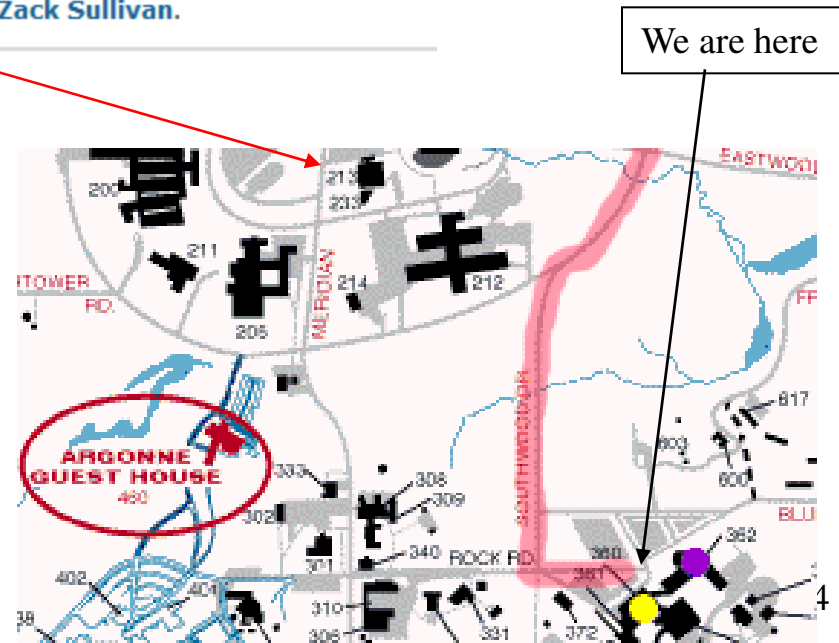
Breakfast, Lunch, Dinner:

Building 213 Cafeteria: (locate on [this](#) map) open for **breakfast** and **lunch**. **Menu**(with prices).

Argonne Guest House open for lunch and dinner. Menu (with prices) are also on that page.

Local Restaurants: **This** is a pretty comprehensive list from **Zack Sullivan**.

A list of nearby restaurants are linked from “While at ANL ASC” page at the bottom.



Laptop connections:

Both wired and wireless (ArgonneG-guest) connections are available. You'll be asked to fill out a form the first time.

This room is A224, Bld. 360, you can use me (R. Yoshida) as contact.

Printing:

Printing instructions are in:

http://atlaswww.hep.anl.gov/asc/ASC_working/index.php?n=Main.PrintingAtASC

The printers are in C216

Argonne HEP Computing Group

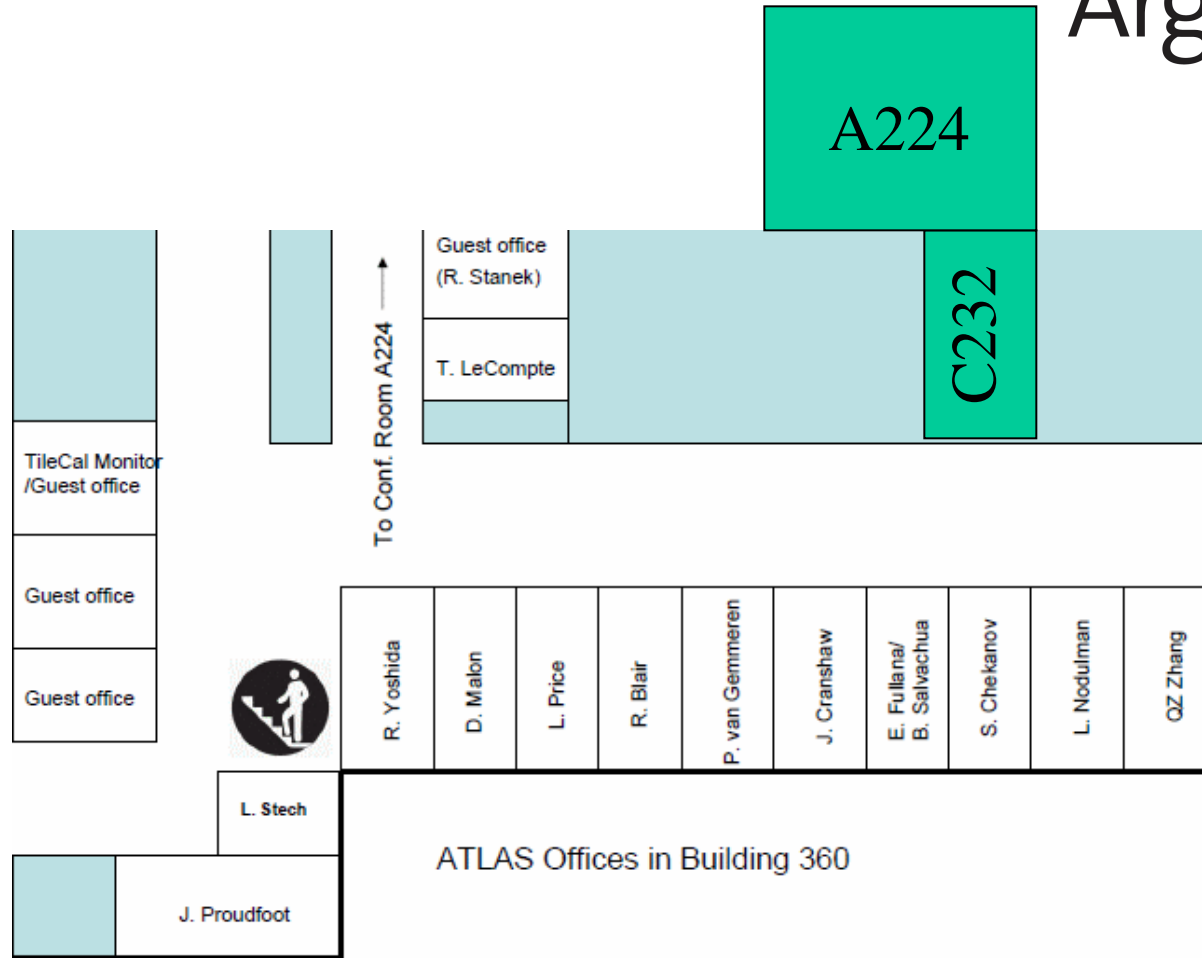
- Headed by David Malon.
 - Event Store coordinator
 - One of the founders of the US Atlas Software Project
- Focus is Event Store software for Atlas.
 - o Alexander Vaniachine:
 - Database Operations and Deployment
 - o Peter van Gemmeren:
 - Athena I/O Framework
 - o Jack Cranshaw:
 - TAG Database and Metadata
 - o Qizhi Zhang
 - Relational Databases
- We collaborate with the MWT2 group.

July 15, 2008

ANL Analysis Workshop (Jack
Cranshaw)

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ANL ASC Tier-3 Computing Environment: Sergei Chekanov



Offices in Building 362

R. Stanek	F217
A. Vaniachine	E265
D. Underwood	F225



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Setup and Related

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Workshops at ANL ASC

Current workshop

- [ATLAS Analysis Jamboree, Sept 9-11](#)
[Agenda](#)
[Registration](#)
[Participants](#)



Past workshops: 2009

- [Tier3\(g,w\) Meeting, May 18,19](#)
[Documentation](#)
[Agenda](#)
- [ATLAS Analysis Jamboree, May 20-22](#)
 With a joint session with the [ANL/IIT Theory Institute](#)
[Agenda](#)

If you would like an account, let me or Sergei know.



If you intend to work from ANL ASC computers, start here

At ANL ASC one can use any of these servers/PC :

atlas16.hep.anl.gov	(server, 4 CPU)	}	Grid Access
atlas17.hep.anl.gov	(server, 4 CPU)		
atlas18.hep.anl.gov	(server, 4 CPU)		
atlas20.hep.anl.gov	(2 CPU, desktop E-116D,		no login from outside)
atlas21.hep.anl.gov	(2 CPU, desktop E-116D,		no login from outside)
atlas22.hep.anl.gov	(2 CPU, desktop, E-116A,		no login from outside)
atlas23.hep.anl.gov	(2 CPU, desktop, E-116B,		no login from outside)

Plan of the Jamboree

This Jamboree is largely pedagogical

Wednesday 09 September 2009		top ↑
10:00->12:40 Introduction to ATLAS Analysis		
10:00	Welcome and Introduction (20)	Rik Yoshida
10:20	ATLAS Analysis Model and StoreGate (30) ( Slides )	Peter Van Gemmeren
10:50	Getting started with ATLAS software (20)	Esteban Fullana Torregrosa (Argonne National Laboratory (ANL))
11:10	Working Time (1h30)	
12:00	Lunch (1h30)	
13:30->15:10 Athena Analyses; Using the Grid		
13:30	Athena and StoreGate: Demonstration / Exercise (30)	Peter Van Gemmeren
14:00	Example AOD Jet analysis (20)	Esteban Fullana Torregrosa (Argonne National Laboratory (ANL))
14:20	Submitting to the Grid (20)	Rik Yoshida
15:00->17:00 Working time		

This morning: getting started with ATLAS software

This afternoon: working with Athena and submitting to Grid

Plan of the Jamboree



Thursday 10 September 2009

[top](#)↑

09:00->10:30 **Advanced analysis topics**

09:00	Analysis of ATLAS Cosmic Data (30')	Brian Thomas Martin
09:30	How TAG's fit into the Analysis Model (20')	Jack Cranshaw (ANL)
09:50	Services for doing TAG Selections (20')	Qizhi Zhang (High Energy Physics Division-Argonne National Laboratory-Unknown)
10:10	Interactive Jet Analysis (20')	Brian Thomas Martin

Thursday morning: How to analyze comic data
How to use TAG in your analysis

Eventually, you will bring your analysis back to your local computing facility (Tier 3)

13:30->15:00 Introduction to T3 Computing

13:30 Tier 3 computing (30)

Doug Benjamin (*Duke University*)

14:00 ANL Tier 3 (20)

Sergei Chekanov (*HEP division (ANL)*)

14:20 ANL T3 Batch/Parallel Processing (PC Farm) (20)

Sergei Chekanov (*HEP division (ANL)*)

15:00->17:00 T3g demonstration and working time

18:30

Dinner (self-pay) (1h30) (Argonne Guest House (Argonne Guest House Restaurant))

Using T3g facilities

Plan of the Jamboree



Friday 11 September 2009

[top](#)↑

09:00->09:20 ATLAS run plan

09:00 The Evolving Run Plan (20)

Thomas Le Compte (*Argonne National Laboratory*)

09:20->10:50 T3g advanced topics

09:20 PC Farm: advanced usage (20)

MC generation. On-the-fly reconstruction. Root n-tuple analysis etc.

Sergei Chekanov (*HEP division (ANL)*)

10:50->12:50 Working Time

12:50->13:20 Wrap-up

Update on ATLAS run plan from Tom
+further use cases for Tier 3

Dinner:

We'll go to the guest house restaurant on Thursday evening.
It'll be a pay-as-you-go (no subscription) dinner.

You'll get a mail about it later today.