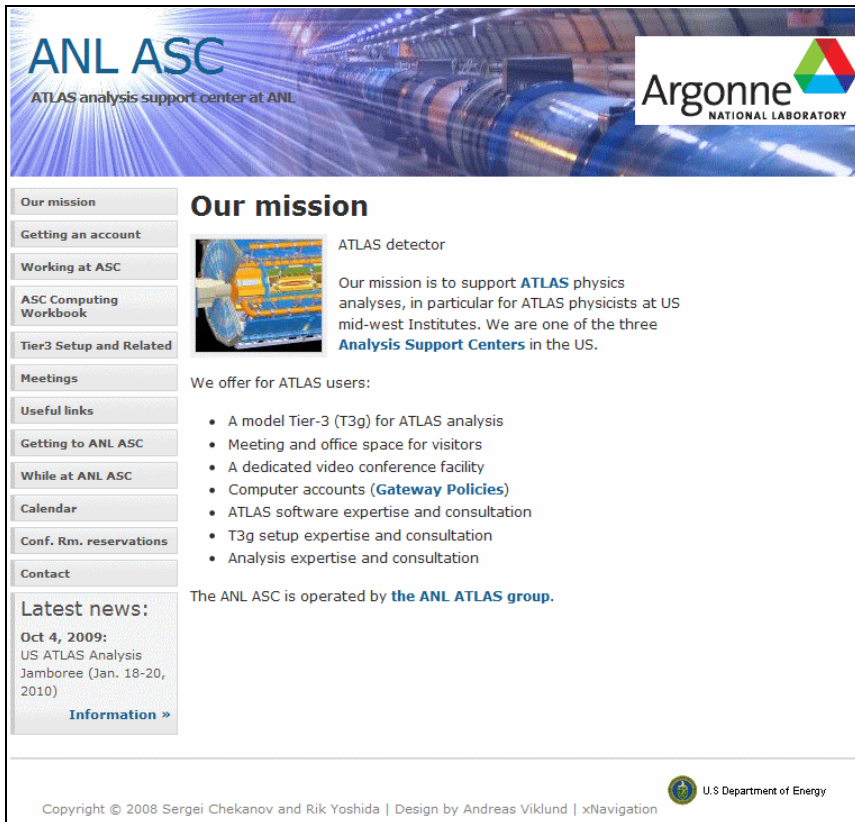


# Welcome to ANL ASC for an ATLAS Analysis Jamboree 18-20 Jan. 10

Some information for the participants



**ANL ASC**  
ATLAS analysis support center at ANL

**Argonne**  
NATIONAL LABORATORY

**Our mission**

Getting an account

Working at ASC

ASC Computing Workbook

Tier3 Setup and Related

Meetings

Useful links

Getting to ANL ASC

While at ANL ASC

Calendar

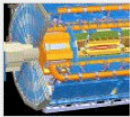
Conf. Rm. reservations

Contact

**Latest news:**

Oct 4, 2009:  
US ATLAS Analysis  
Jamboree (Jan. 18-20,  
2010)  
[Information >](#)

**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 for ATLAS users:

- A model Tier-3 (T3g) for ATLAS analysis
- Meeting and office space for visitors
- A dedicated video conference facility
- Computer accounts (**Gateway Policies**)
- ATLAS software expertise and consultation
- T3g setup expertise and consultation
- Analysis expertise and consultation

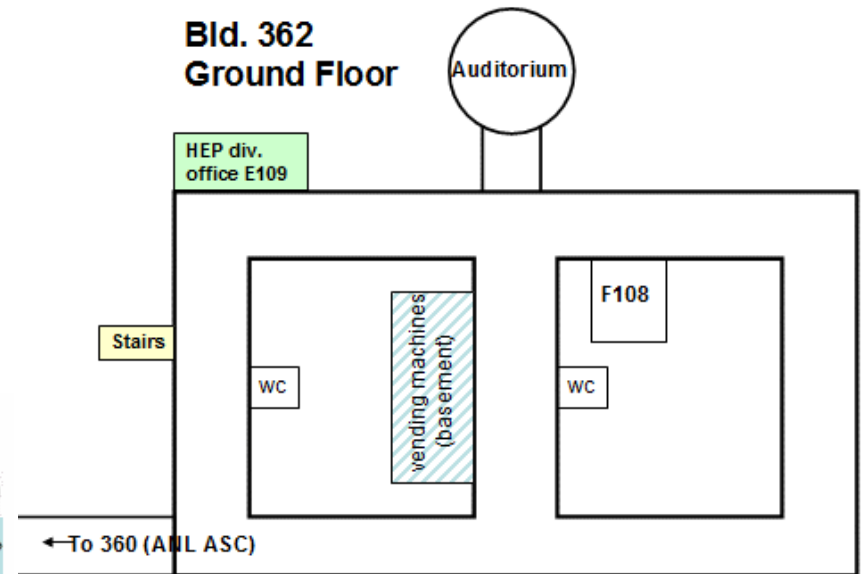
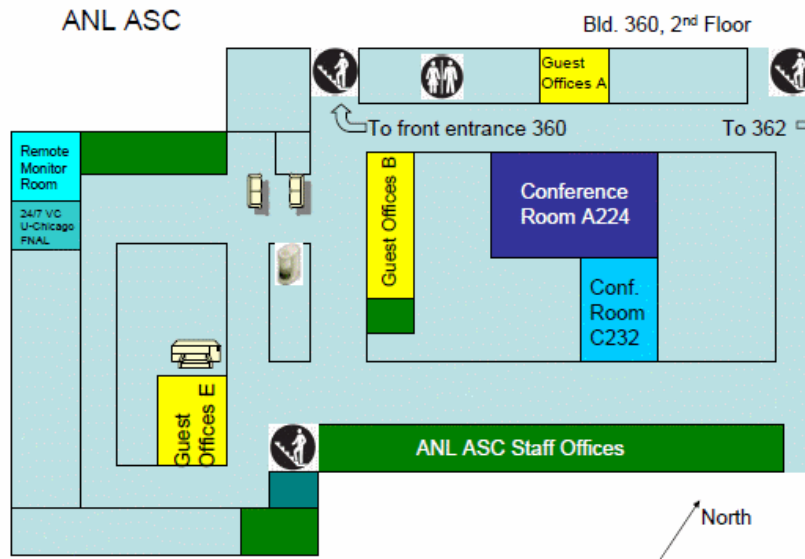
The ANL ASC is operated by **the ANL ATLAS group**.

Copyright © 2008 Sergei Chekanov and Rik Yoshida | Design by Andreas Viklund | xNavigation  U.S. Department of Energy

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



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## 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**

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## 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**.

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

We are here



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

The printers are in E209

## Argonne HEP Computing Group

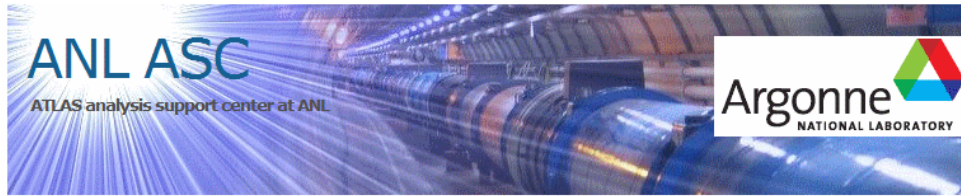
- Headed by David Malon.
  - Event Store coordinator
  - One of the founders of the US Atlas Software Project
- Focus is Event Store software for Atlas.
  - o Alexander Vaniachine:
    - Database Operations and Deployment
  - o Peter van Gemmeren:
    - Athena I/O Framework
  - o Jack Cranshaw:
    - 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



Our mission Workshops at ANL ASC

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Latest news:

Upcoming workshop, 2010

- [US ATLAS Analysis Jamboree, Jan 18-20](#)  
[Agenda](#)  
[Registration](#)  
[Participants](#)



Past workshops: 2009

- [US ATLAS Tier-3 Meeting, Oct 29-30](#)  
[Agenda](#)  
[Participants](#)
- [ATLAS Analysis Jamboree, Sept 9-11](#)  
[Agenda](#)  
[Participants](#)

The complex block contains a navigation menu on the left and workshop information on the right. A photograph of a workshop is included, with an arrow pointing from the "US ATLAS Analysis Jamboree, Jan 18-20" link to the photo.

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

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

# Computers at ANL ASC

- Pardon our dust. We are in the process of extending and reconfiguring our clusters.
- Login to
  - atlas17.hep.anl.gov
  - atlas16.hep.anl.gov
  - You can ssh from outside to these computers. You can also submit Grid jobs from these computers.
- In addition, you can ssh (from atlas16 or 17) to
  - atlas20
  - atlas23
  - and atlas25
  - interactive exercises can be ran on these machines. (no grid access)
- In addition we have a PC Farm (parallel batch machines)
  - atlas50-53
  - How to use this cluster is described at <https://atlaswww.hep.anl.gov/twiki/bin/view/Workbook/UsingPCF>



# Plan of the Jamboree

## Monday 18 January 2010

[top](#) ↑

10:00 Welcome to ANL ASC (20') Rik Yoshida

### 10:20->12:00 Tutorial 1

Description:

The first day's tutorial will cover starting analyses using ATLAS software. After going through this, a person new to ATLAS should be able to follow the more advanced analyses of actual collision data to be covered on the second day.

10:20 Introduction to ATLAS data analysis model and StoreGate (1h00') Peter Van Gemmeren

The overall design of the ATLAS analysis model will be described and discussed. How to access the relevant information for your analysis in the ATLAS data will be described.

11:20 Getting started with ATLAS software (15') Rik Yoshida (ANL)

 Slides   )

How to start running Athena.

- Hello world
- Example job to run over AODs and produce plots

11:40 Working time (20')

12:00 lunch (1h30')

### 13:30->18:00 Tutorial 2

13:30 Example AOD Analysis + Using the Grid (50') Esteban Fullana Torregrosa (Argonne National Laboratory (ANL))

Advanced AODs analysis with real data.

- Examples
- Exercises
- Submitting jobs to the Grid

14:20 break (15')

14:35 Working time (2h00')

Time to work on examples and exercises presented. ASC personnel will be available for help and consultation.

Today is really for people new to ATLAS analysis computing

Will connect 7:00 am to the ATLAS weekly

# Plan of the Jamboree



Tuesday 19 January 2010

[top](#)↑

## 09:00->12:00 Analysis of the first collision data I

Description:

Talks in this section will walk through the technicality of analyzing the first collision data. The Jamboree participant will be able have examples that will enable them to run similar jobs over the collision data.

09:00	Getting to Early Physics (45') Overview of early physics analysis	Tom LeCompte
09:45	ESD analysis of jets (30')	Belen Salvachua (Argonne National Laboratory (ANL))
10:15	AOD gamma-jet analysis (30')	Sergei Chekanov (HEP division (ANL))
10:45	break (15')	
11:00	Double Parton Scattering at the LHC (45')	Chris Jackson (Argonne National Lab. (HEP Div.))
11:45	The Z' in Early LHC Data (15')	Seth Quackenbush (Argonne National Lab. (HEP Div.))
12:00	Lunch (1h30')	
13:30->18:15	Analysis of the first collision data II	
13:30	E-gamma D3PD (30')	Scott Snyder (BNL)
14:00	Analysis with the E-Gamma D3PD (15')	R. Blair
14:20	Using TAG selection with the collision data (30')	David Mallon (TBC)
14:50	break (15')	
15:05	Working Time (2h15')	
	Time to try out the examples described during the day. ASC personnel will be available for help and consultation.	
18:30	Jamboree Dinner (2h00') (TBD )	

} Theory  
talks on  
early physics

Tomorrow is about the analysis of the first collision data.

18 Jan 10

Lunch seminar (sign up for pizza) 12:00 on  
"SUSY without Prejudice" J. Gainer in F108

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# Plan of the Jamboree



Argonne  
NATIONAL LABORATORY

## Wednesday 20 January 2010

[top](#)↑

### 09:00->12:10 Early Analyses

09:00	N-tuple Analysis (30')	Brian Thomas Martin ( <i>Department of Physics and Astronomy - Michigan State University</i> )
09:30	Search for Higgs in leptoSusy models (20')	Simona Rolli
09:50	Jet and Missing Et in the first collision data (20')	Esteban Fullana Torregrosa ( <i>Argonne National Laboratory (ANL)</i> ), Belen Salvachua ( <i>Argonne National Laboratory (ANL)</i> )
10:10	Model-independent searches for heavy particles (20')	Sergei Chekanov ( <i>HEP division (ANL)</i> )
10:30	break (15')	
10:45	Conclusion (15')	
11:00	HEP Division Seminar (1h00')	

cancelled

Wednesday are talks about plans for the data coming this year.

Division seminars on Wednesday

- Galaxy Cluster as Cosmological Probes (P. Ricker, Illinois) 11:00 am
- Precise Prediction for Terascale Physics (C. Berger, MIT) 2:00 pm

Dinner:

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

You'll get a mail about it later today.