



*... for a brighter future*

# *Argonne ATLAS Analysis Center*

*ANL-UC-FNAL Mini Workshop on LHC*

*January 23, 2009*

*R. Yoshida*



U.S. Department  
of Energy

UChicago ►  
Argonne<sub>LLC</sub>



A U.S. Department of Energy laboratory  
managed by UChicago Argonne, LLC

# Argonne ATLAS Analysis Support Center (ANL ASC)



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



**Our mission**

**Getting an account**

**Working at ASC**

**Meetings**

**Useful links**

**Getting to ANL ASC**

**While at ANL ASC**

**Contact**

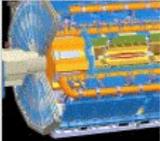
**Latest news:**

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

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

## 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**.

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(<http://atlaswww.hep.anl.gov/asc/>)

## People at ANL ASC

- Jimmy Proudfoot (ATLAS group leader)
- Rik Yoshida (ANL ASC coordinator)
- Bob Blair
- Larry Nodulman
- Larry Price
- Sergei Chekanov
- Esteban Fullana
- Belen Salvacua
- (Sasha Paramonov)

+ people normally at CERN (Tom LeCompte, Bob Stanek ....)

### Regular visitors

- Doug Benjamin (Duke visitor)
- Guilherme Lima (NIU visitor)
- Vishnu Zutshi (NIU visitor)
- Brian Martin (Mich. St. visitor)
- Sebastian Caron (Toronto visitor)
- Daniel Goldin (SMU visitor)

+ Computing group



# 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.

All available for consultation by  
ANL ASC users

July 15, 2008

ANL Analysis Workshop (Jack  
Cranshaw)

2

For ANL ASC related activities, we've been working in particular with  
UChicago: Marco Mambelli, Rob Gardner  
Indiana: Fred Luehring

# ANL ASC

- ANL ASC offers users:
- Up-to-date ATLAS computing environment
  - Basic computing and access to ATLAS GRID
  - Prototype Tier-3 computing farm
- ATLAS software and physics help
- Tutorials and help in getting starting ATLAS analysis
- Basic analysis codes for
  - *Prompt-photon analysis*
  - *Jet analysis*
- Guest offices
- Meeting rooms, VC facilities.
- Workshops and Jamborees

# Workshops/Jamborees



The screenshot shows a website page titled "Workshops at ANL ASC". It features a navigation menu on the left with items like "Our mission", "Getting an account", "Working at ASC", "Meetings", "Useful links", "Getting to ANL ASC", "While at ANL ASC", and "Contact". The main content area is divided into sections: "Upcoming workshops" with dates for May 19-22, 2009 and Feb 25-27, 2009; "Past workshops: 2008" with a list of events including "ANL Analysis Jamboree, 9-12 December", "BNL/ANL/LBNL Joint Jamboree: 9-12 Sept", "ANL Analysis Workshop, 14-16 July", "ANL Analysis Workshop, 14-16 May", "BNL/ANL FDR Jamboree, 17-20 March", and "Argonne FDR Workshop, 23-25 Jan". Each event listing includes links for "Participants" and "Agenda". A "Latest news" section at the bottom left shows dates from December 22, 2009, to November 15, 2008.



We hold bi-monthly workshops and/or jamborees. Some are done jointly with BNL and LBNL (the other support centers)

Attendance at ANL is 20-30 on average.

There are 70 registered users at ANL ASC

## Center Facilities

- We are in the process of moving to a new building (360).
- ASC staff will be all in one area.
- Better meeting rooms.
- Room for expansion.

Guest Offices

TileCal Remote Monitoring Station

ANL ASC as of today

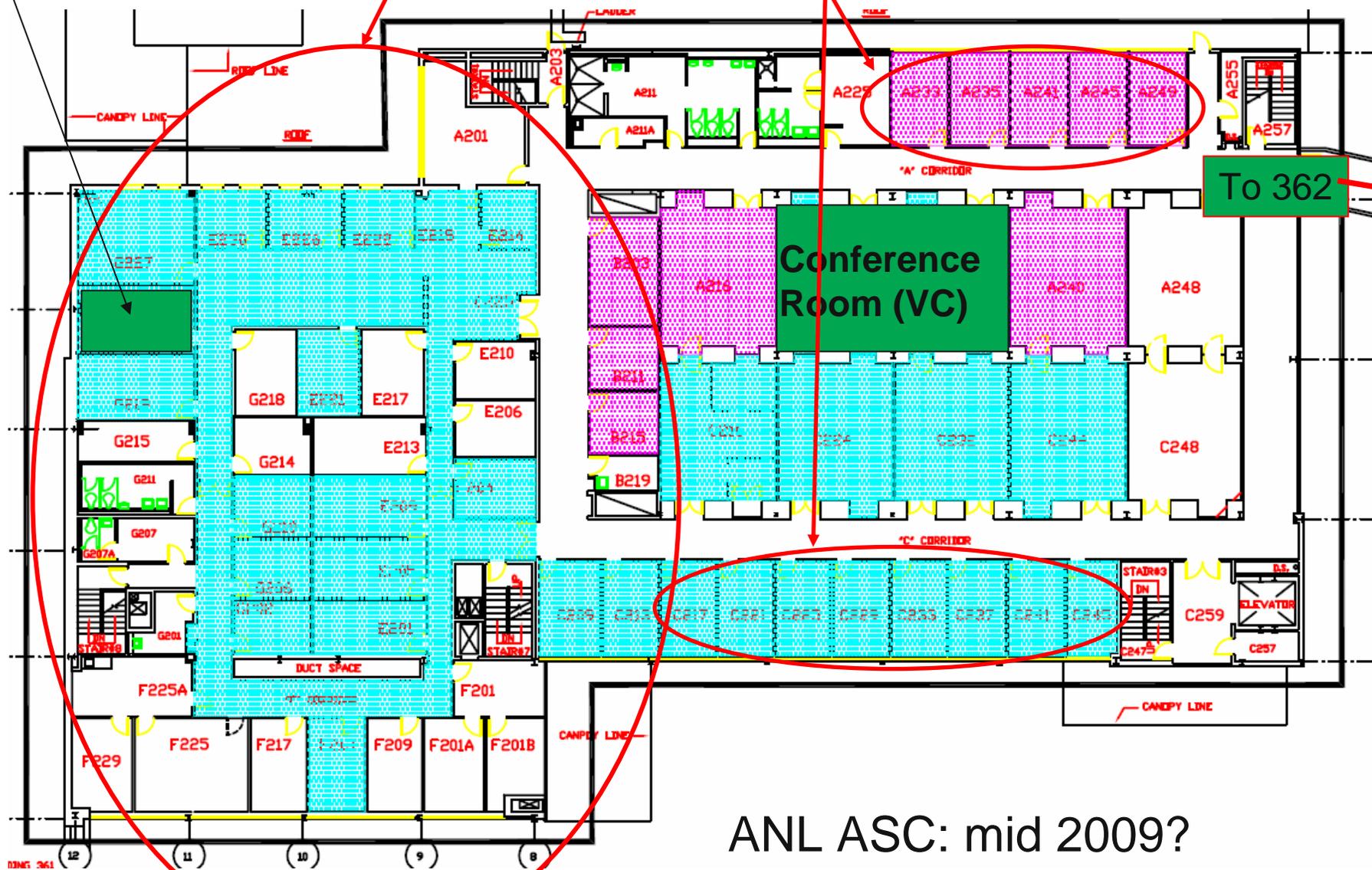


ANL ASC Staff Offices

Small conf. room

“Directorate” Area

Additional and visitor’s offices



ANL ASC: mid 2009?

## Summary

- ANL ASC has been established for some time now.
- Good computing and analysis expertise are available.
- Infrastructure is good and improving.
- Well utilized by mid-West ATLAS for the past year.