



*... for a brighter future*

# *APS/User Monthly Operations Meeting*

*J. Murray Gibson*

*May 23, 2007*



U.S. Department  
of Energy

UChicago ►  
Argonne<sub>LLC</sub>

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

# Agenda

- 2:30 p.m. – Refreshments
- 2:45 p.m. – Welcome/Introduction and Presentation of Pacesetter Awards - Murray Gibson
- 3:00 p.m. – User Meeting Report - Susan Strasser
- 3:15 p.m. – Upcoming Summer Schools – Julie Cross
- 3:30 p.m. – Leadership Computing Facility – Ray Bair
- 3:45 p.m. – Adjourn

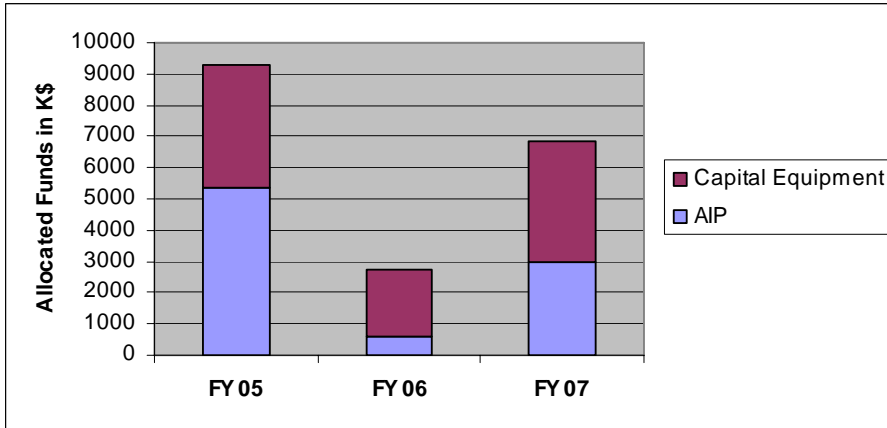
***Removing a stuck plug with a pair of pliers from an energized 208V receptacle is unauthorized electrical work in anybody's book!***

*User institution  
asked to follow-up  
on avoiding future  
violations*

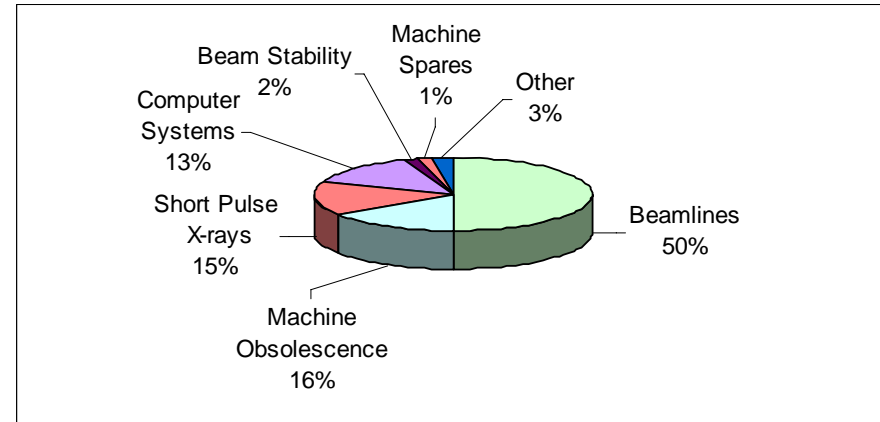


Could have caused serious injury...  
ORPS incident filed, affects ANL contract performance...

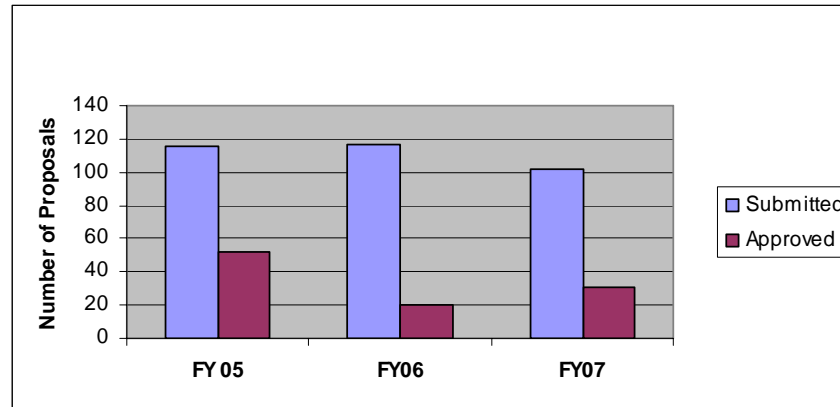
# Capital and Accelerator Improvement money distributed for FY'07



How much?



Where spent in FY 2007?



Proposal "pressure"

# Intermediate Energy X-Ray Beamline funded by NSF

Thanks to J-C Campuzano, P Abbamonte and J Allen

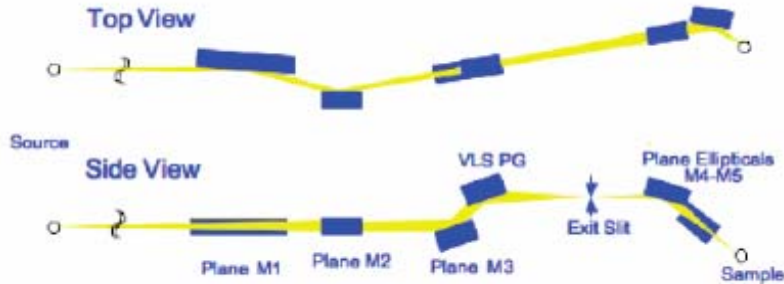
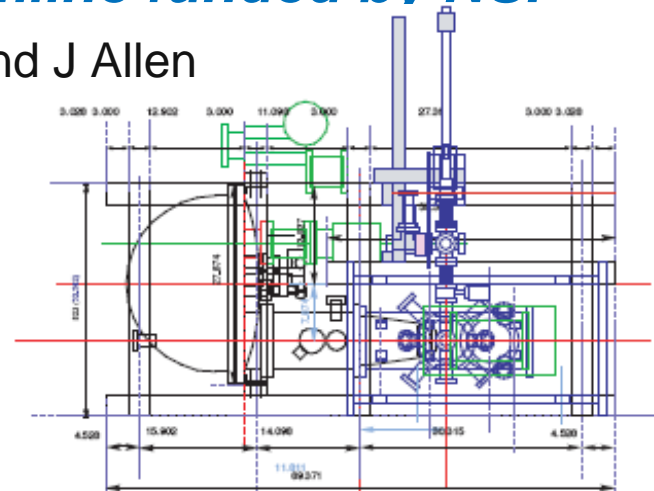


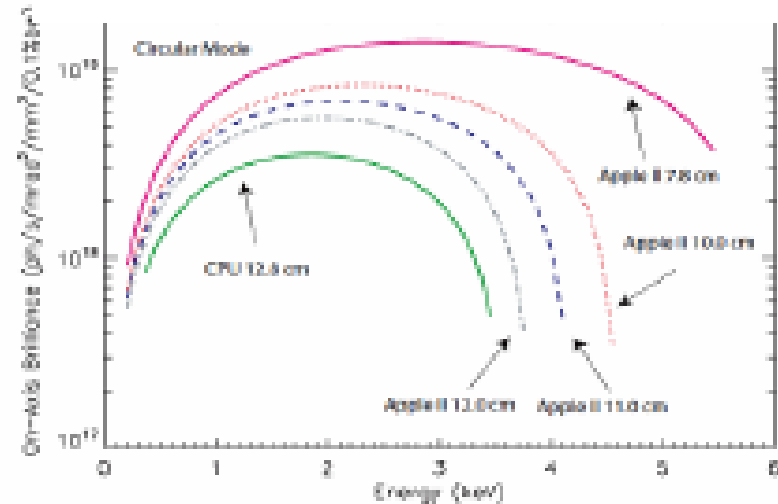
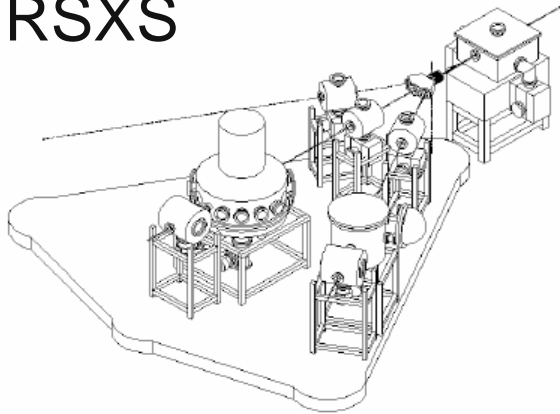
Figure 4.3: Cartoon of the proposed beamline



# ARPES

Fig. 4.25 The ARPES station

# RSXS



Matching support expected from DOE

Proposals for remaining three sectors to be submitted to DOE this year and next year  
Imaging, Magnetism (2?), Surface and Interface Scattering? (BioNanoprobe to NIH)

## *ERL R&D program being developed*

- Focus on superconducting RF and gun development
  - Lab strategic R&D support, proposal under development to DOE
  - R&D strongly encouraged by our UC review committee
- Meeting in UK at Daresbury this week on ERLs – we have seven participants
  - Identify collaborations and avoid duplication
- Update users soon on proposed R&D plans

## Other

- Review by University of Chicago of AES and ASD went well
  - Reviews of safety and science (overall) to come in Fall
- XOR review by Science Advisory Committee focuses on science
  - Next week Biology, Polymers and Soft Materials (May 29<sup>th</sup>)
  - Time-Resolved Science (May 30<sup>th</sup>)
  - .... more to come
- ISO9001 efforts by ANL (new Laboratory Management System) aim to reduce the number of documents/procedures, and improve efficiency of operations

# Argonne Clean Sweep

- Area 400 cleanup June 2007.
- More details to follow.
- Area roll-off-boxes located at APS.
- Recyclable metals, debris, broken equipment, broken office equipment.



Intra-Laboratory Memo

May 17, 2007

## Announcement

TO: All Building and Area Managers, DD/DH  
FROM: T.S. Bray *T.S. Bray* Deputy Director, NOD  
SUBJECT: **Semi-annual "Clean-Sweep"**

We are pleased to announce the start of our semi-annual "Clean Sweep" effort. The Clean Sweep goal is the removal of Unneeded Materials and Chemicals (UMC), including debris and other housekeeping items, within each area to release lease space back to Facilities Management and Services (FMS) and to create a safe and more efficient work environment throughout

Attachment 1

## Instructions

### Clean Sweep Support Request Instructions

This provides guidance for completing the Clean Sweep Support request. As the Clean Sweep effort proceeds within each area, modification to the request is permitted to meet the goal of the effort and to account for any volume and space increases.

#### Section I – Basic Contact Information

I. Basic Contact Information			
Building / Area	Building / Area Manager	Contact Number	
Date of Request	Safety Rep	Contact Number	
II. Clean Sweep / UMC Material Volumes and Resources			
Estimated Volume of Materials			
Number of Roll-Off Boxes Needed for Volume			
Roll-Boxes (Loads)	Box Size	Desired Location	
Metal Recycle Boxes (Loads)	Box Size	Desired Location	

## Forms

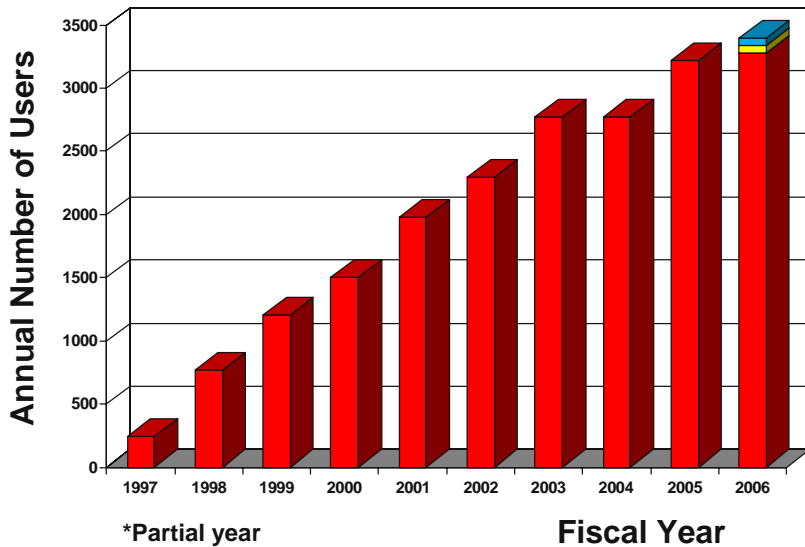


# Pacesetter: Linda Carlson, Cindy Doran, Sharon Fisher, and Rachel Reed



3274  
visiting users  
FY 2006

- Mail-in users\*
- Off-site users\*
- Visiting users



Extraordinary effort in support of APS user access and training during Run 2006-2. Their work enabled a record number of users to maximize their time for learning and research.

## *Pacesetter: John Sidarous*



LOM437 project -- completed the project ahead of schedule and within budget

# Pacesetter: Yu Huang

**APS - General User Proposal**

Main Menu | Search Criteria | Instructions | Logout

General | Experimenters | Abstract | Beamtime Request | Questions | **Sample** | Reviews

Proposal : GUP-1

**List of Samples**

- test1111
- test2

**Sample name and type of molecule must be entered if any other sample related data is to be saved.**

Sample Name: test1111

Type of molecule:  Protein  DNA  RNA  Virus  Prion  Toxin  Complex of type  Other

Unit Cell Information				Crystal Size and Quality				Safety Information	
Space Group :	test2111111			fsdf	mm by	df	mm by	mm	Bio Safety Level:
a :	A	alpha :		Resolution Limit	A		Known Biohazard:		
b :	A	beta :		Mosaicity	Degree		<input type="checkbox"/>		
c :	A	gamma :							

**Experimental Needs**

Desired Energy: KeV

Crystal Cryo-Freezing Conditions:  Known  Unknown

Structure Solution Strategy:

- MIR - elements
- MAD - elements
- Molecular Replacement
- High Resolution - Resolution Desired 5 A
- Other

Crystal mounting method and type of pins  Yale  Hampton  1/8 inch or 3 mm pin  Other

**Please specify the funding source(s) for this sample:**

<input type="checkbox"/> DOD (specify)	<input type="checkbox"/> DOE, Office of Basic Energy Sciences	<input type="checkbox"/> DOE, Office of Biological and Environmental Research
<input type="checkbox"/> DOE, Other (specify)	<input type="checkbox"/> Foreign (specify)	<input type="checkbox"/> HHH
<input type="checkbox"/> Howard Hughes Medical Institute (HHMI)	<input type="checkbox"/> Industry	<input type="checkbox"/> NASA
<input type="checkbox"/> NIH	<input type="checkbox"/> NSF	<input type="checkbox"/> Other U.S. Government
<input type="checkbox"/> USDA	<input type="checkbox"/> Other (specify)	<b>Specify Other :</b>

Previous Page | Generate Report

Proposal # : 1

Main Menu | Search Criteria | Instructions | Logout

ANL

Implemented the new APS policy for submission of research proposals



## Pacesetter: David Leibfritz

Upgraded the APS network switches and firewalls, and wrote software to improve cyber security at APS



***Pacesetter: Michael Dwyer, William Ward,  
Randy Brown, Robert Lange (FMS), Ed Theres (AES),  
and Sue Zitzka (SUF)***



The FMS rigging team and APS coordinators completed a large scale storage move from building 369 while providing service to APS staff and users during our shutdown and end of fiscal-year period

# Agenda

- 2:30 p.m. – Refreshments
- 2:45 p.m. – Welcome/Introduction and Presentation of Pacesetter Awards - Murray Gibson
- 3:00 p.m. – User Meeting Report - Susan Strasser
- 3:15 p.m. – Upcoming Summer Schools – Julie Cross
- 3:30 p.m. – Leadership Computing Facility – Ray Bair
- 3:45 p.m. – Adjourn