Seminar Room 1,  
Monday, June 21: 18:00

- March visit to DOE and outcome – W. Smith
- AmZeus Budget - W. Smith for S. Magill
- AmZeus Computing – D. Kçira
- DIS ‘05 – W. Smith
- AOB
AmZeus Visit to DOE

DOE Presentations
Visit by D. Reeder, J. Repond, W. Smith, R. Yoshida, March 11, 2004

Talks:
AmZeus overview- W. Smith
DESY plans: Zeus & HERA, US Role – R. Klanner
(by phone)
Zeus Physics Overview – R. Yoshida
ANL Role in ZEUS – J. Repond
AmZeus Membership
(January, 2004)

Argonne National Laboratory,
M. Helbich*, Y. Ning*, Z. Ren*, W.B. Schmidke, F. Sciulli
Columbia University
N. Brummer, B. Bylsma, L.S. Durkin, T.Y. Ling
Ohio State University,
E.A. Heaphy, F. Metlica, B.Y. Oh, J.J. Whitmore
Pennsylvania State University,
University of Wisconsin, Madison,
S. Dhawan (Yale University), M. Mattingly (Andrews U.)

23 Ph.D. Physicists +
10 Ph.D. Students

All Zeus: 241 Ph. D. Physicists + 84 Students
(Belgium, Canada, Germany, Greece, Israel, Italy. Japan, Kazakhstan, Korea, Netherlands, Poland, Russia, Spain, UK, USA)
## AmZeus Budget Presented

<table>
<thead>
<tr>
<th>YEAR (CY,FY)</th>
<th>ZEUS Common Costs (CY, k$)</th>
<th>DOE Operations Budget (FY,k$)</th>
<th>DOE Equipment Budget + ANL match (FY, k$)</th>
<th>€ /$ on Aug. 1 (Bill date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>138</td>
<td>18* bal.</td>
<td>50 + 50</td>
<td>0.93</td>
</tr>
<tr>
<td>2001</td>
<td>101</td>
<td>177</td>
<td>50 + 50</td>
<td>0.88</td>
</tr>
<tr>
<td>2002</td>
<td>96</td>
<td>160</td>
<td>45 + 45</td>
<td>0.98</td>
</tr>
<tr>
<td>2003</td>
<td>144</td>
<td>130</td>
<td>45 + 45</td>
<td>1.12</td>
</tr>
<tr>
<td>2004</td>
<td>175†</td>
<td>100</td>
<td>30 + 30</td>
<td>1.25 now</td>
</tr>
<tr>
<td>2005</td>
<td>190†</td>
<td>155§</td>
<td>40 + 40§</td>
<td>1.25?</td>
</tr>
<tr>
<td>2006</td>
<td>205†</td>
<td>155§</td>
<td>35 + 35§</td>
<td>1.25?</td>
</tr>
<tr>
<td>2007</td>
<td>110†</td>
<td>155§</td>
<td>25 + 25§</td>
<td>1.25?</td>
</tr>
<tr>
<td>2008</td>
<td>20?†</td>
<td>110§</td>
<td>0§</td>
<td>1.25?</td>
</tr>
<tr>
<td>Totals</td>
<td>1159 (1179)</td>
<td>1160</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† Estimate  § Assuming no additional FY2004 funds
* $18K is the balance left in FY 2000 funds after paying CY 1999 bills
Dear Professor Smith:

I would like to thank you for your very informative briefing on March 11, 2004. United States participation in the HERA physics program is a small but important element of our program. Your briefing helped us to better understand the size of the support needed in order to carry out your participation in the ZEUS experiment at DESY until its planned completion.

For the remaining years until the currently planned completion of the HERA program, we intend to continue our support for the United States participation in the ZEUS experiment, within our budgetary constraints, and based on the scientific merits validated by evaluations from our various review processes. I look forward to hearing the continuing progress resulting from your efforts.

Sincerely,

Robin Staffin  
Associate Director  
Office of High Energy Physics
### AmZeus Operations – June ‘04

(S. Magill)

**Available funds at ANL (Feb 2004)** $108K

Deducted as DESY credits (90KEuros @1.0 $/Euro ==> $90K) $90K

(this will be adjusted to real exchange rate later)

**Available funds at ANL (June 2004)** $18K

(exchange rate adjustment (1.2 $/Euro actual?) -$18K

**Available funds at ANL end of FY2004** 0

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**Invoices received (June 2004)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Operations - Estimate 2004</td>
<td>144KEuros</td>
</tr>
<tr>
<td>CDAQ+ZARAH Upgrade - Estimate 2004</td>
<td>21KEuros</td>
</tr>
<tr>
<td>ZARAH Operations - Estimate 2004</td>
<td>18KEuros</td>
</tr>
<tr>
<td>Common Operations 2003 - Credit</td>
<td>-17KEuros</td>
</tr>
<tr>
<td>CDAQ Upgrade 2003 - Credit</td>
<td>-6KEuros</td>
</tr>
<tr>
<td>ZARAH Operations 2003 - Credit</td>
<td>-1KEuros</td>
</tr>
<tr>
<td><strong>Subtotal of invoices</strong></td>
<td>159KEuros</td>
</tr>
</tbody>
</table>

**Credits for personnel from DESY (see above)** -90KEuros

**Total Owed** 69KEuros @1.2 $/Euro ==> $83K

**Funds needed to pay CY2004 invoices (October 2004)** $83K
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previously available funds (October 2004*)</td>
<td>$19K</td>
</tr>
<tr>
<td>Allocation (January 2004)</td>
<td>$60K</td>
</tr>
<tr>
<td>Deduction for computer bill (*$15K included in Oct 03 report)</td>
<td>-$15K</td>
</tr>
<tr>
<td>Total (February 2004)</td>
<td>$64K</td>
</tr>
<tr>
<td>Expenditures (personnel through September 2004)</td>
<td>$61K</td>
</tr>
<tr>
<td>Available balance (October 2004)</td>
<td>$3K</td>
</tr>
</tbody>
</table>
Moved amzeus web-server to central DESY web server: 131.169.40.178, amzeus.desy.de. Some work had to be done to change CFLT offline DQM so that can see histograms on the web. No other problems observed.

Old zussun0 and most of the sun machines are switched off. Smooth transition to linux PCs finished. Only very few suns left.

amzeus1 workgroup server upgraded to DL4. (amzeus2 was already DL4).

Set up PCs for the summer students. One of them is DL5 and has to be tested more carefully. At the moment standard (for us) is still DL4.
General

• New students should email kcira@mail.desy.de if there are problems with accounts, machines need to be upgraded, they need disk space, and so on.

Plans for next months

• update 2 Columbia machines: DL3 → DL4
• purchase:
  • 1 new desktop
  • 6 new hard disks
  • cost: ~ 2K Euro
Wednesday, April 27 – Sunday, May 1, 2005

• Note: Pheno 2005: May 2–5, 2005

Monona Terrace Convention Center

• Frank Lloyd Wright building on lakeshore
Wesley Smith, U. Wisconsin, Chair
Sridhara Dasu, U. Wisconsin
Tao Han, U. Wisconsin
Aimee Lefkow, U. Wisconsin
Don Reeder, U. Wisconsin
Jose Repond, Argonne