US LHC USERS ORGANIZATION

US LHC Users Organization Annual Meeting
November 3–5, 2011
Argonne National Lab

US LHC Users Organization

US LHC Report
John Huth
for US LHC

Mission Statement:
“The purpose of USLUO is to provide a forum for discussions of US participation in the LHC research program, with a focus on how best to enhance scientific participation in the discoveries expected from this research. In particular, USLUO aims to help the US LHC community work effectively with their colleagues at CERN while in the US, and to adapt to work at CERN and to living in the environs of the CERN laboratory. USLUO also provides communication channels between scientists working on LHC experiments, the US agencies supporting this research and the US Congress [and Executive Offices].”

Represents the entire community: and Labs and Universities
- Covers the LHC experiments and LARP (Accelerator R&D)

Represented by a 12 person elected Executive Committee
- Observer members; Ex-officio members
Main roles

- Provide information to US LHC Users
  - Relocation
  - Visas
  - Taxes, ATM, credit cards, banks
- Create a forum for US LHC Users to meet, discuss physics, the accelerator
- Act as a presence in Washington to support funding for particle physics, including the LHC
US ATLAS in ATLAS
US is the Largest National Contingent

US / ATLAS Ph.D. Authors = 376/1807 = 21%

US / ATLAS Grad Students = 203/~1100 = 18%
Total U.S. Heads: 732
US LHC: 26% of the LHC Program

CMS Engineers, Physicists, Graduates Pie Chart

US CMS in CMS
1285/4247 People 30%
464/1364 Physicists 34%
264/652 Students 40%

US LUO:
983 Strong
CMS 473
ATLAS 387
LARP 59
ALICE 45
LHCb 19
US LUO represents a large community

With Darin on the executive committee, we are kept informed of ACCU activities, and queried about our needs

ACCU has been very effective and CERN has been very effective in addressing user needs!
US LUO 2008-12 Activities

- Coordinated with FNAL UEC, SLUO; Now also with DPF
  - Young Physicists’ Session Tradition

- Work actively with existing programs:
  (QuarkNet, US LHC Program, US LHC Communications)

- Annual Science and Engineering Exhibition at the Nat’l Mall

- Individual Efforts – Public Lectures; Talks to Schools
  - Media Training: Periodic sessions: To be Arranged for 2012
    - Professional training for scientists on how to talk to non-specialist audiences: media, Congress, public
  - Thanks to Katie Yurkewicz, Elizabeth Clements, Kathryn Grimm
HEP DC Trip: 46 People, 14 from USLUO
Visited 218 Offices in 2011

USLUO
Isobel Ojalvo (Wisconsin)
Ellie Twedt (Maryland)
Eric Feng (Chicago)
Brian Martin (MSU)
Ben Cerio (Duke)
Chris Pollard (Duke)
Kevin Finelli (Duke)
Taritree Wongjirad (Duke)
Susie Bedikian (Yale)
Sridhara Dasu (Wisconsin)
Sarah Demers (Yale)
Jane Nachtmann (Iowa)
Randi Ruchti (Notre Dame)
Harvey Newman (Caltech)

+ Todd Adams
  (UEC + US LUO)
+ Patricia McBride
  (DPF + US LUO)
US LVO Executive Committee 2012
Membership (2 Year Terms)

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Collaboration</th>
<th>Term Expires</th>
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<tbody>
<tr>
<td>Daniela Bortoletto</td>
<td>Purdue</td>
<td>CMS</td>
<td>2013</td>
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<tr>
<td>Sridhara Dasu</td>
<td>Wisconsin</td>
<td>CMS</td>
<td>2013</td>
</tr>
<tr>
<td>Sarah Demers</td>
<td>Yale</td>
<td>ATLAS</td>
<td>2013</td>
</tr>
<tr>
<td>Sandor Feher</td>
<td>Fermilab</td>
<td>LARP</td>
<td>2013</td>
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<tr>
<td>Harvey Newman</td>
<td>Caltech</td>
<td>CMS</td>
<td>2013 (2012 Chair)</td>
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<tr>
<td>Michael Tuts</td>
<td>Columbia</td>
<td>ATLAS</td>
<td>2013</td>
</tr>
<tr>
<td>Joey Huston</td>
<td>Michigan State</td>
<td>ATLAS</td>
<td>2012</td>
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<tr>
<td>John Huth</td>
<td>Harvard</td>
<td>ATLAS</td>
<td>2012</td>
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<tr>
<td>Boaz Klima</td>
<td>Fermilab</td>
<td>CMS</td>
<td>2012</td>
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<tr>
<td>Jane Nachtman</td>
<td>Iowa</td>
<td>CMS</td>
<td>2012</td>
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<tr>
<td>Randy Ruchti</td>
<td>Notre Dame</td>
<td>CMS</td>
<td>2012</td>
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<td>Sheldon Stone</td>
<td>Syracuse</td>
<td>LHCb</td>
<td>2012</td>
</tr>
</tbody>
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Observers [Youth, Gender, Exp. Balance]: Y. Maravin, K. Copic, P. Jacobs
Totals: CMS 6+1, ATLAS 4+1, LHCb 1, LARP 1, ALICE 0+1
+ Darin Acosta (ACCU), Jen Nahn (Webmaster)

Ex-Officio: US ATLAS and CMS PMs, Deputies, CB Chair, IB Chair
Visas

URA; 2011-12 Funding Campaign

Our 2011 Meeting: Operations and Finances

Our 2012: Better Student Participation: NSF Conference/Travel Grant proposal

2012 DC Trip

Our “Agenda”: How to better serve our community
http://www.usluo.org
A Useful Resource for the US LHC Community

Jen Nahn

USLUO

USLUO News
The latest news items of interest to the USLUO community and an archive.

Newcomer Welcome Center
Please check out this excellent website for those relocating to CERN and accompanying persons. The group also meets the first and third Thursday of each month.

ACCU News
The Advisory Committee of CERN Users last met on March 9, 2011. Slides and agenda, Notes from US representative Darin Acosta. Feedback is always welcome regarding priorities of issues from the US LHC community. The next meeting is June 15, 2011. The slides from the ACCU update at the USLUO October 2010 meeting may also still be of interest.

DPF online newsletter
Check out the new online newsletter from the American Physical Society’s Division of Particles and Fields.

Annual Meeting
The USLUO Annual Meeting was held at Fermilab, October 29-30, 2010. See slides here and group photo here.

Executive Committee
Six candidates are elected each year to serve for two years on the Executive Committee for the US LHC Users Organization (USLUO), for a total of twelve members on the committee.

USLUO Presentations
See slides from a presentation about USLUO at NUFO on USLUO - 10 June 2009.

Purpose and Structure of USLUO
The USLUO is composed of scientists and engineers doing experiments and accelerator systems. These include institutions. The purpose of USLUO is to provide a forum with a focus on how best to enhance scientific participation and help the US LHC community work effectively with US agencies to living in the environs of the CERN laboratory. US LHC experiments, the US agencies supporting this USLUO.

LHC Users who wish to join USLUO should complete the registration form.

New: Credit card comparisons [Exchange rates, fees, etc.]
Will add links to information on visas