

The background of the slide is a photograph of a server room. On the left and right sides, there are long rows of server racks filled with electronic equipment, some of which have glowing blue and green lights. In the center of the image, at the end of the aisle, is a white door. The floor is a light-colored, reflective material. A semi-transparent red rectangular overlay covers the upper portion of the image, serving as a background for the title text.

Physics Department Computing Workshop

Welcome

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Computing Workshop - subMIT
MIT, January 26, 2022

Welcome

Computing Workshop of the Physics Department

- We have a wide variety of computing needs in the physics department
- What you can do with, and what to expect from the resources of subMIT, the interactive login pool (open for business)
- Workshop has three parts:
 - *the pool and its connected computing resources,*
 - *example applications,*
 - *free discussion*
- This is our first workshop and we do not know what to expect we hope for a fruitful and friendly interaction!



Thank you!

To the subMIT project contributors

- Paul Acosta, Josh Bendavid, Kevin Burdge, Chad Freer, Max Goncharov, Paul Hsi, Luca Lavezzo, David Newman, Andrew Pochinsky, Mike Tiernan, Zhangqier Wang
- during summer and fall a lot of work was done: subMIT was re-designed and re-built from older less capable version

To the prototype users

- Guillermo Gomez-Ceballos, Mariarosaria D'Alfonso, Kevin Yoon, Govert Nijs, Luen Malshi, Agustin Valdes, Charlotte Wickert, Kaya Tatar, Jing Wang, Tyler Kutz, Nathaly Santiesteban, Zhilei Xu, Molly Taylor, Michael Peters, Adriana Bungau,

To the Workshop Organizers

- Paul Acosta, Chad Freer, Max Goncharov, CP, Zhangqier Wang

Goals of the Workshop

Explain

- Large set of CMS users, some will explain how they work
- A number of new-comers show first experiences
- Hopefully you can find your type of problem presented by someone, so you can 'copy' and adjust

Document

- We want to document what was presented and share useful examples on github
- Expand our users guide and FAQ

Build Community

- User support is essential, hopefully we can build a community where we support each other to accomplish the computing we need: email list and slack support channel

What follows....

SubMIT pool and connected resources

- Describe the login pool hardware
- Describe the connected compute cluster into more detail

Data analysis examples

- Postdoc, grad students and undergraduates report their experiences

Open Session

- Ask more detailed questions about what was presented
- ... or completely new questions, anything goes!

Zoom etiquette

- wait for the end of the talk for questions
- use zoom hands