Particle-Physics Computing and Analysis

Wed 02-Jun-2021 Bill Seligman

T0 = After lunch (1:30PM or when everyone's on Zoom)

- T0: Particle-physics computer resources at Nevis
- T0 + 15 min: ROOT - What is it? Why do we use it?
- T0 + 30 min ➤ 4PM: Hands-on ROOT Course, day 1
- 4PM: NSF-required ethics class

Particle-Physics Computing and Analysis

Thu 03-Jun-2021

T1 = 9:30AM or when everyone's in the Zoom room

- T1: Concepts in batch processing
- T1 + ΔT ➤ noon: Hands-on ROOT study continues

T2 = 1:30PM or when everyone's in the Zoom room

- T2: Your choice of talks (see next slide)
- T2 + ΔT ➤ 4PM (or up to 5PM if folks want to work):

  Hands-on ROOT study continues

Particle-Physics Computing and Analysis

Fri 04-Jun-2021

T3 = 9:30AM or when everyone's in the Zoom room

- T3: The other choice of talks, if:
  - Anyone is there
  - Everyone is interested
- T3 + ΔT ➤ noon: Hands-on ROOT study continues

Your choice = I've prepared two little talks. I'll give one on Thu (your choice) and maybe on on Fri (the other choice).

- The physicists' slang guide to statistics
- A fast way to analyze in ROOT (plus speed up code)

Who am I?
(Systems administration)

Bill Seligman

seligman@nevis.columbia.edu

Office phone: 1-914-591-2823 (but email is the best way to reach me)

Room 116 (in non-pandemic eras)

Will cheerfully answer questions on:

Unix (& Mac) / security / software / networking

Will grumpily complain about questions on:

Windows / hardware

You can find more information about me (too much!) on my web site, which I'll leave for you to discover.

Social media:

FB = Nevis Laboratories

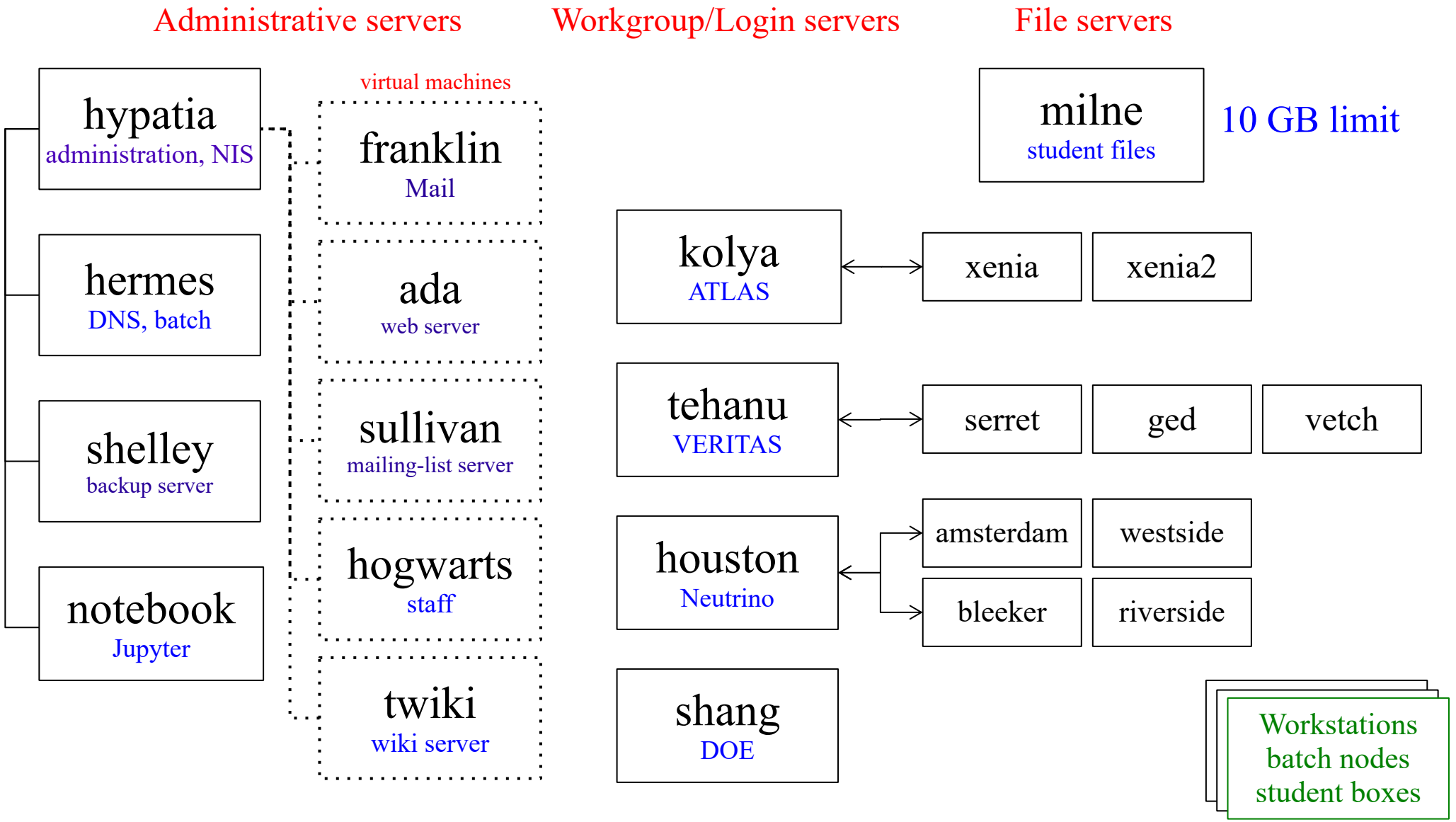
Twitter = @NevisLabs

Instagram = nevislaboratories

YouTube = *search for* #ScienceOnHudson

Particle-Physics Computer Systems

Linux Cluster



<http://www.nevis.columbia.edu/linux/>

<http://www.nevis.columbia.edu/linux/cluster-names.html>

Particle-Physics Computer Network

VPN

The particle-physics network (including the research building and the electronics building) is protected by a firewall. Many of the computer systems (especially those associated with electronics design and testing) are inaccessible from the outside world without using VPN.

https://twiki.nevis.columbia.edu/twiki/bin/view/Main/VPN

Your supervisor will (hopefully) let you know if you have to use VPN for your work. This means installing Cisco AnyConnect on your laptop, which you can download from:

https://vpn.nevis.columbia.edu

Note that Nevis VPN is *not* set up for anonymous Internet access. They'll know who you are (for some arbitrary definition of *they*).

Particle-Physics Computer Systems

Printers

bw-research:	Black and white, high-speed, duplex Location: near building entrance
color-research:	Color, duplex Location: near building entrance
bw-admin:	Black and white Location: far end of west hall
bw-elec & bw-design:	Black and white, high-speed Location: electronics building

Typical printer commands:

To print black and white on plain paper:

```
lpr -Pbw-research document.ps
```

To print in color :

```
lpr -Pcolor-research filename
```

For more information, see:
<http://www.nevis.columbia.edu/software/printing.html>

Particle-Physics Web Sites

Nevis Home Page:
<https://www.nevis.columbia.edu/>

Computing Pages (home->wiki):
<https://twiki.nevis.columbia.edu/twiki/bin/view/Nevis/Computing>

Linux Cluster Pages (home->wiki->computing):
<https:/twiki.nevis.columbia.edu/twiki/bin/view/Nevis/LinuxCluster>

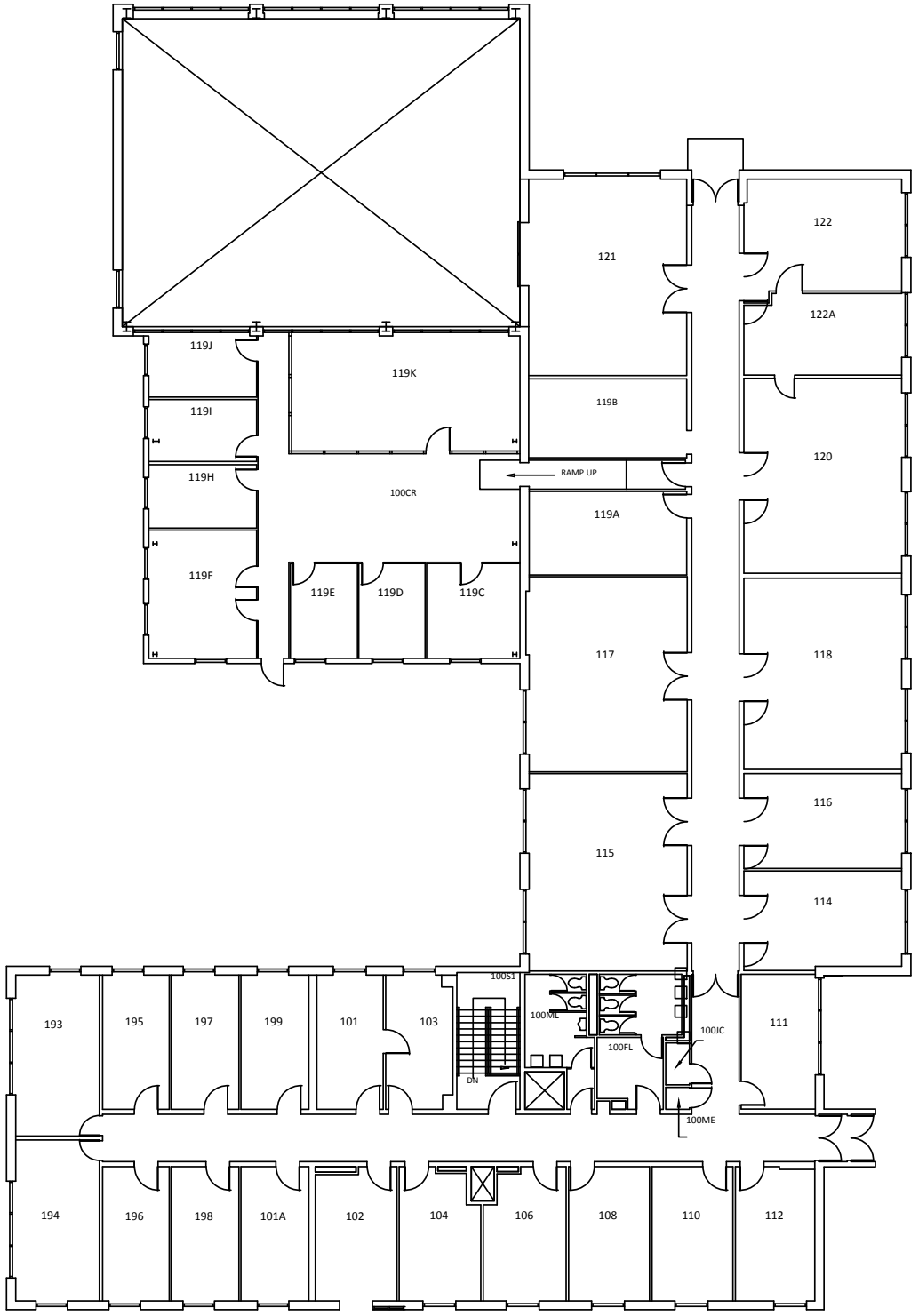
System News (home->wiki->computing):
<https://listserv.nevis.columbia.edu/pipermail/nevis-linux/>

I try to keep these pages up-to-date. If there are problems, let me know -- but please be forgiving!

And now...

A waste of three minutes


Nevis Labs
Columbia University



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