

Joint ICTP-IAEA Workshop on Atomistic Modelling of Radiation Damage in Nuclear Systems

Computing Practicals Technical Briefing

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JupyterHub: <https://jupyter.ictp.it/smr3573/>

Welcome to SMR3573

Joint ICTP-IAEA
Virtual Workshop on
Atomistic Modelling of
Radiation Damage in
Nuclear Systems

4 - 8 October 2021
An ICTP Virtual Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9547/>
smr3573@ictp.it

ICTP

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Username:

Password:

Sign In

**Login with the
credentials that have
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This service is reserved for the participants of SMR3573. For support/assistance purposes, administrators of this service may access the running servers of participants.

JupyterHub: <https://jupyter.ictp.it/smr3573/>

File Browser; Launcher; New Directory; Upload Files

The screenshot displays the JupyterHub web interface. On the left is the 'File Browser' panel, which includes a menu bar (File, Edit, View, Run, Kernel, Tabs, Settings, Help), a toolbar with icons for file operations, a search bar labeled 'Filter files by name', and a file list table. The table has columns for 'Name' and 'Last Modified'. A file named 'SDTrimSP_6.05' is listed, modified '8 months ago'. A red circle highlights the folder icon in the toolbar. The main area is the 'Launcher' panel, which shows three categories of launchable items: 'Notebook', 'Console', and 'Other'. Each category contains icons for different environments: Python 3 (ipykernel), Anaconda3 full, gnuplot, and R. The 'Other' category includes icons for Terminal, Text File, Markdown File, Python File, R File, and Show Contextual Help. The bottom status bar shows 'Simple' mode, a tab count of '1', and a kernel status of '0'. The word 'Launcher' is visible in the bottom right corner.

Name	Last Modified
SDTrimSP_6.05	8 months ago

Notebook

- Python 3 (ipykernel)
- Anaconda3 full
- gnuplot
- R

Console

- Python 3 (ipykernel)
- Anaconda3 full
- gnuplot
- R

Other

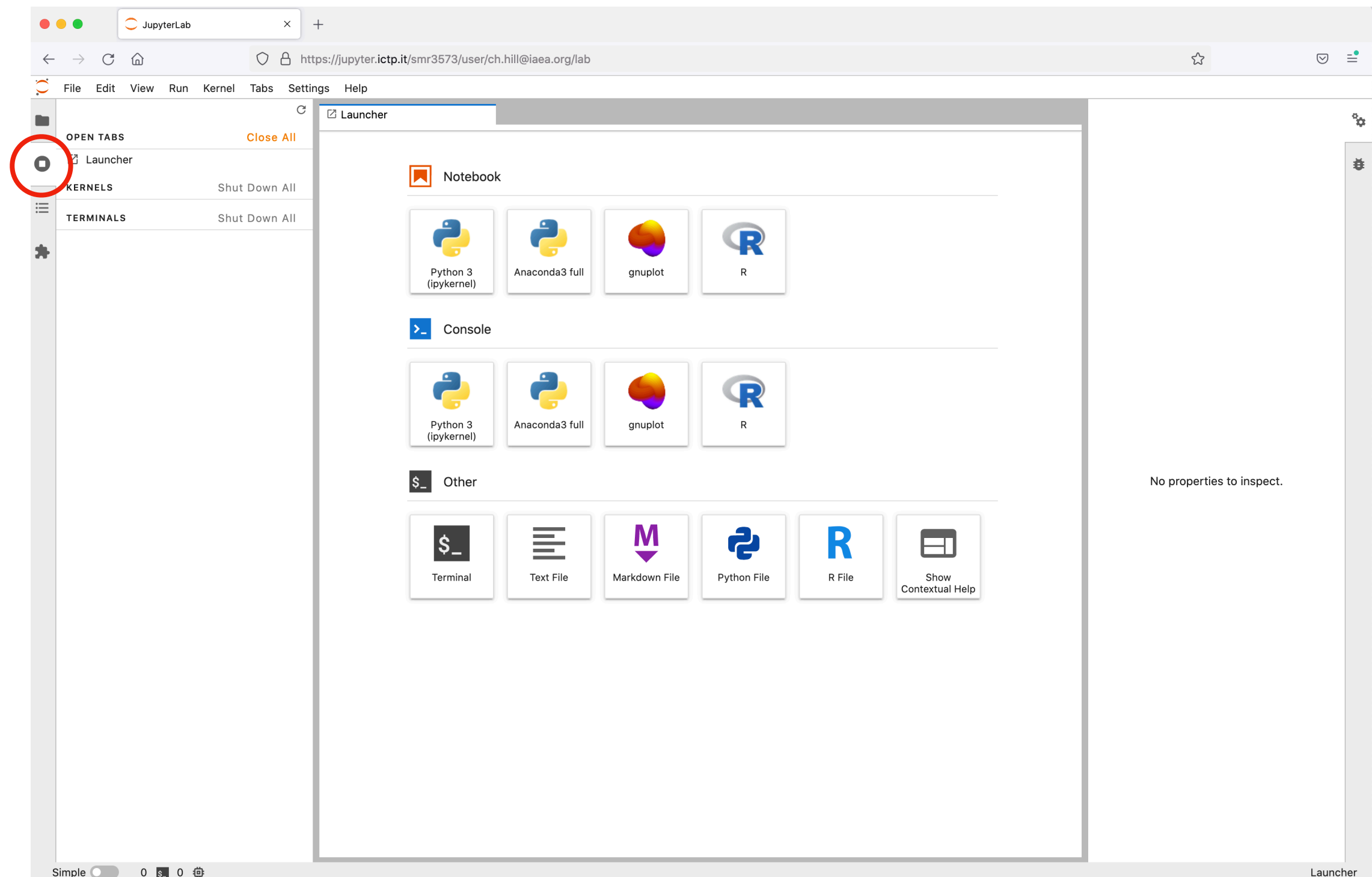
- Terminal
- Text File
- Markdown File
- Python File
- R File
- Show Contextual Help

No properties to inspect.

Simple 1 0 Launcher

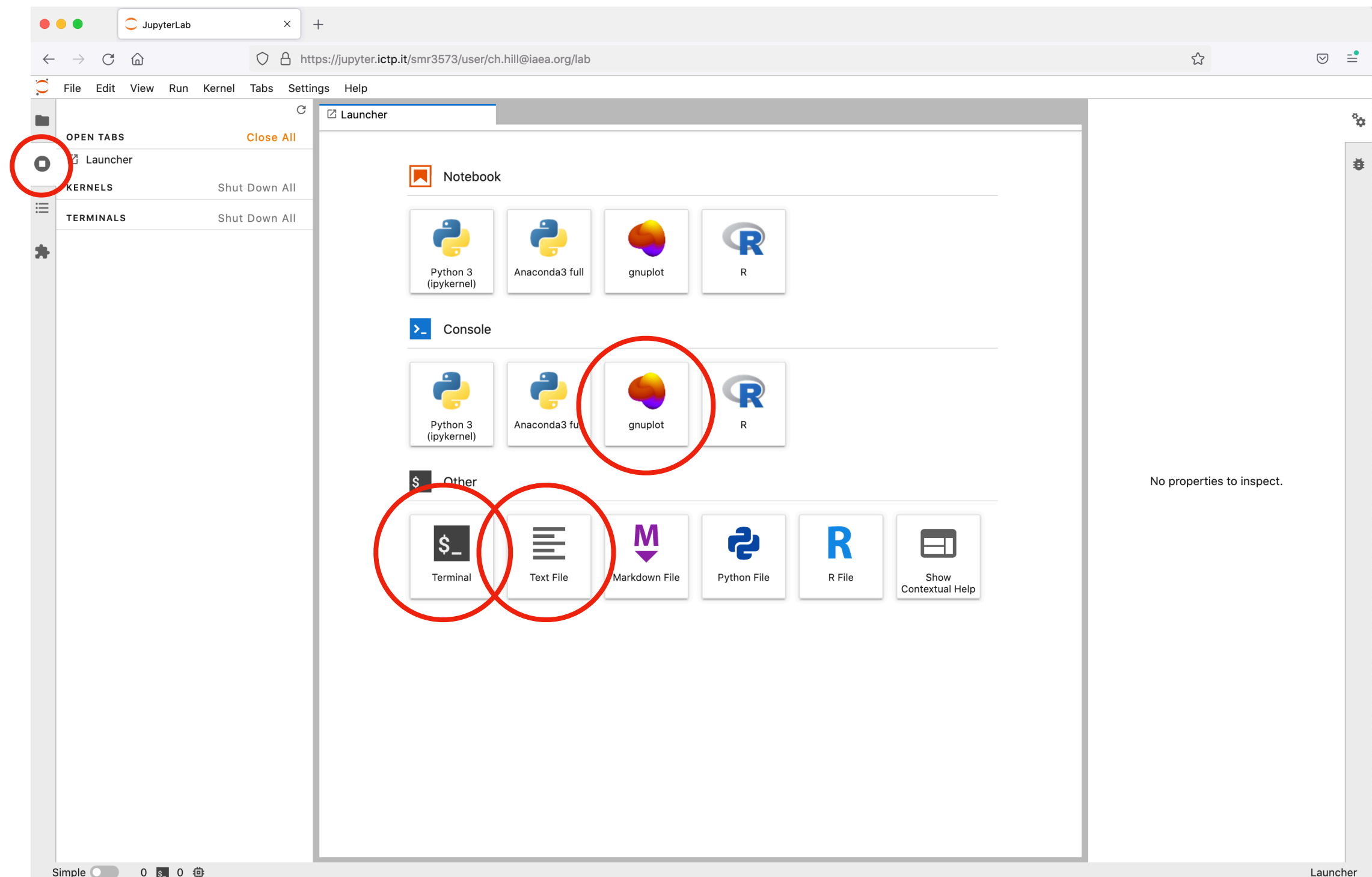
JupyterHub: <https://jupyter.ictp.it/smr3573/>

Launcher; Running Terminals and Kernels



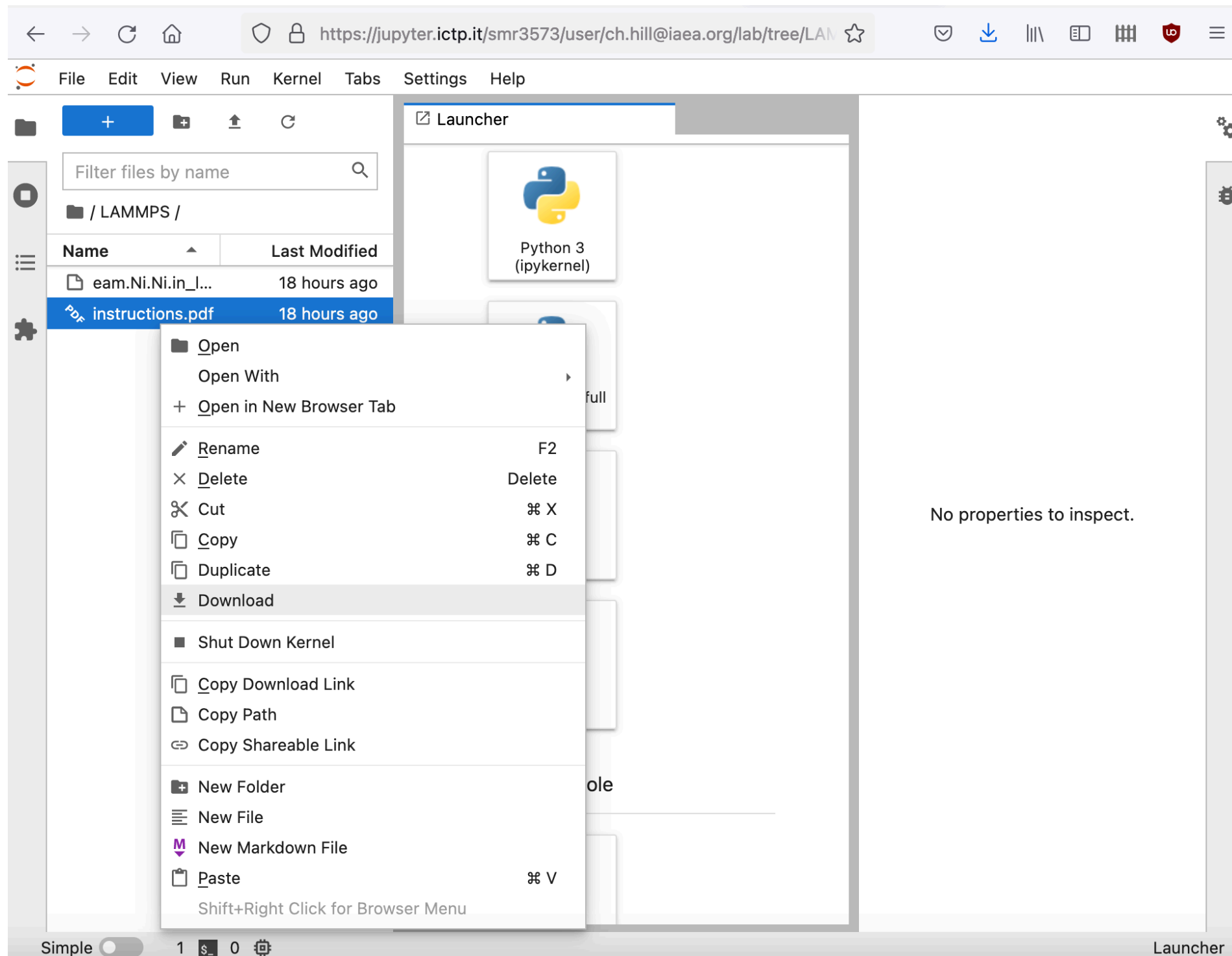
JupyterHub: <https://jupyter.ictp.it/smr3573/>

Launcher; Running Terminals and Kernels



JupyterHub: <https://jupyter.ictp.it/smr3573/>

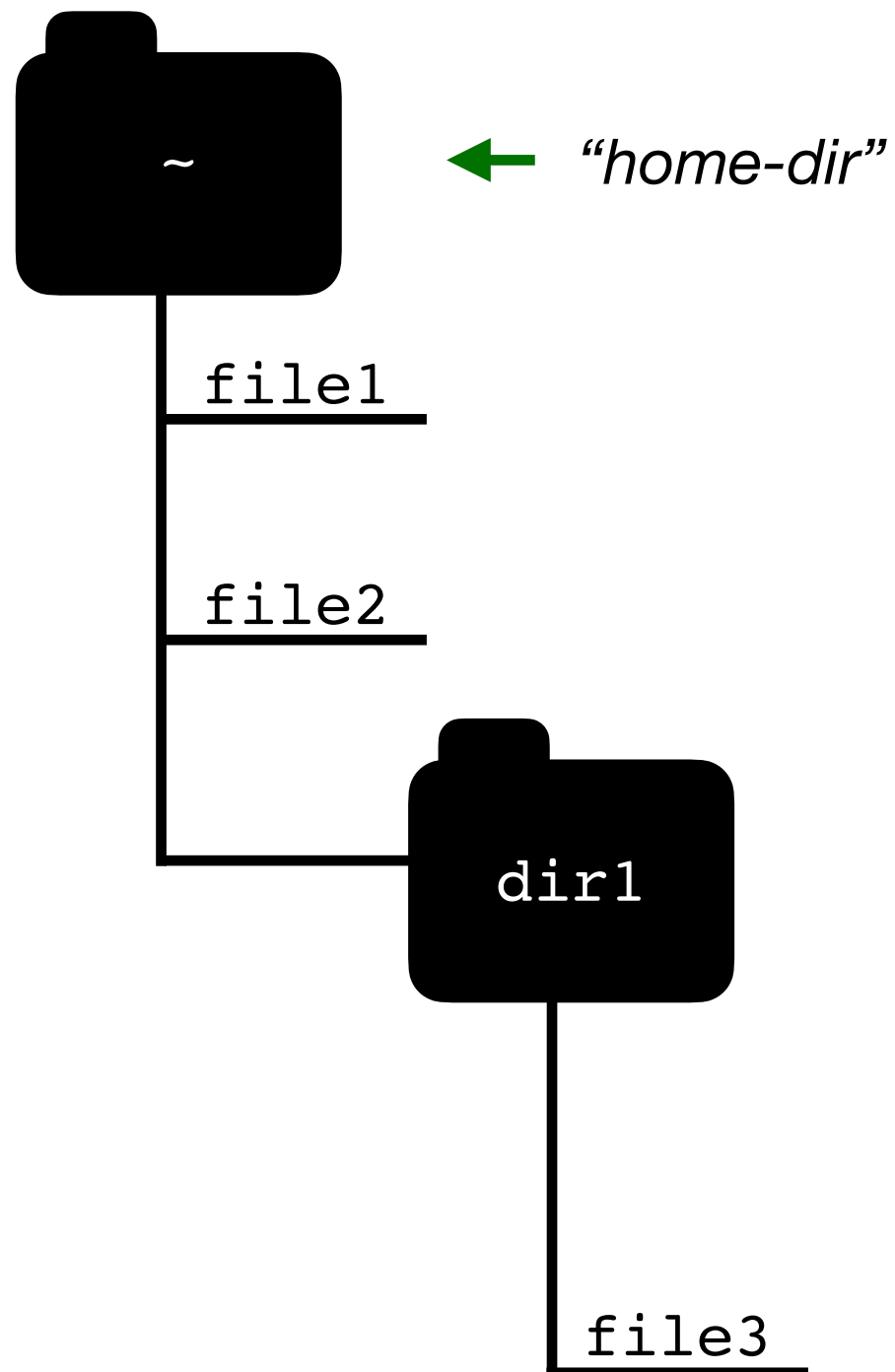
Download: Right-click (or CMD-click) on filename



Basic Linux Terminal Commands

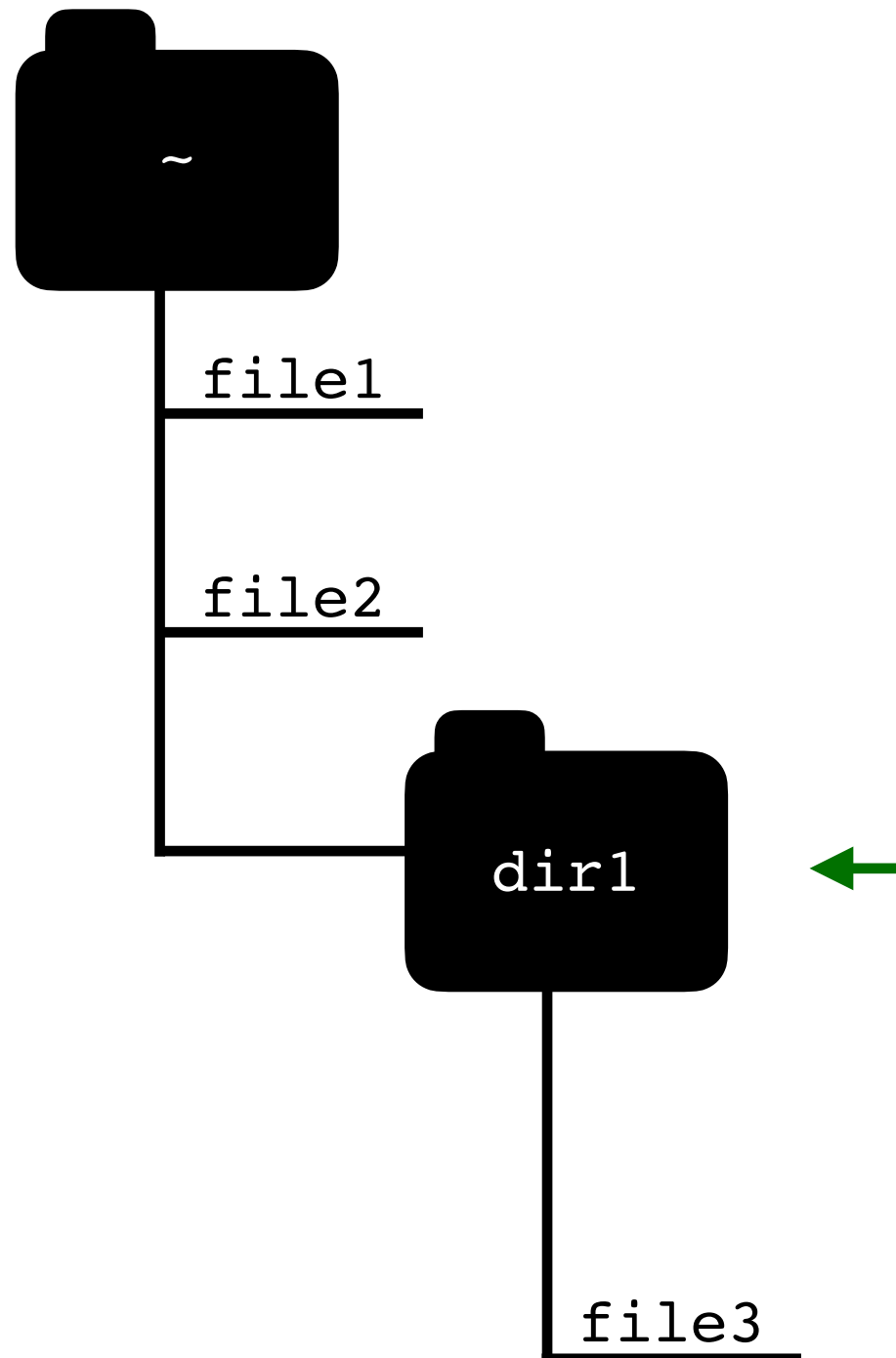
<code>ls [dirname]</code>	List contents of a directory
<code>cd <dirname></code>	Change directory
<code>pwd</code>	Where (in which directory) am I?
<code>mkdir <dirname></code>	Create a directory
<code>cat <filename></code>	Show the contents of <filename>
<code>head <filename></code>	First 10 lines of <filename>
<code>tail <filename></code>	Last 10 lines of <filename>
<code>rm <filename></code>	Delete file <filename>
<code>rmdir <dirname></code>	Delete directory <dirname>
<code>cp <old_filename> <new_filename></code>	Copy a file
<code>mv <old_filename> <new_filename></code>	Move (rename) a file

Navigating the File System



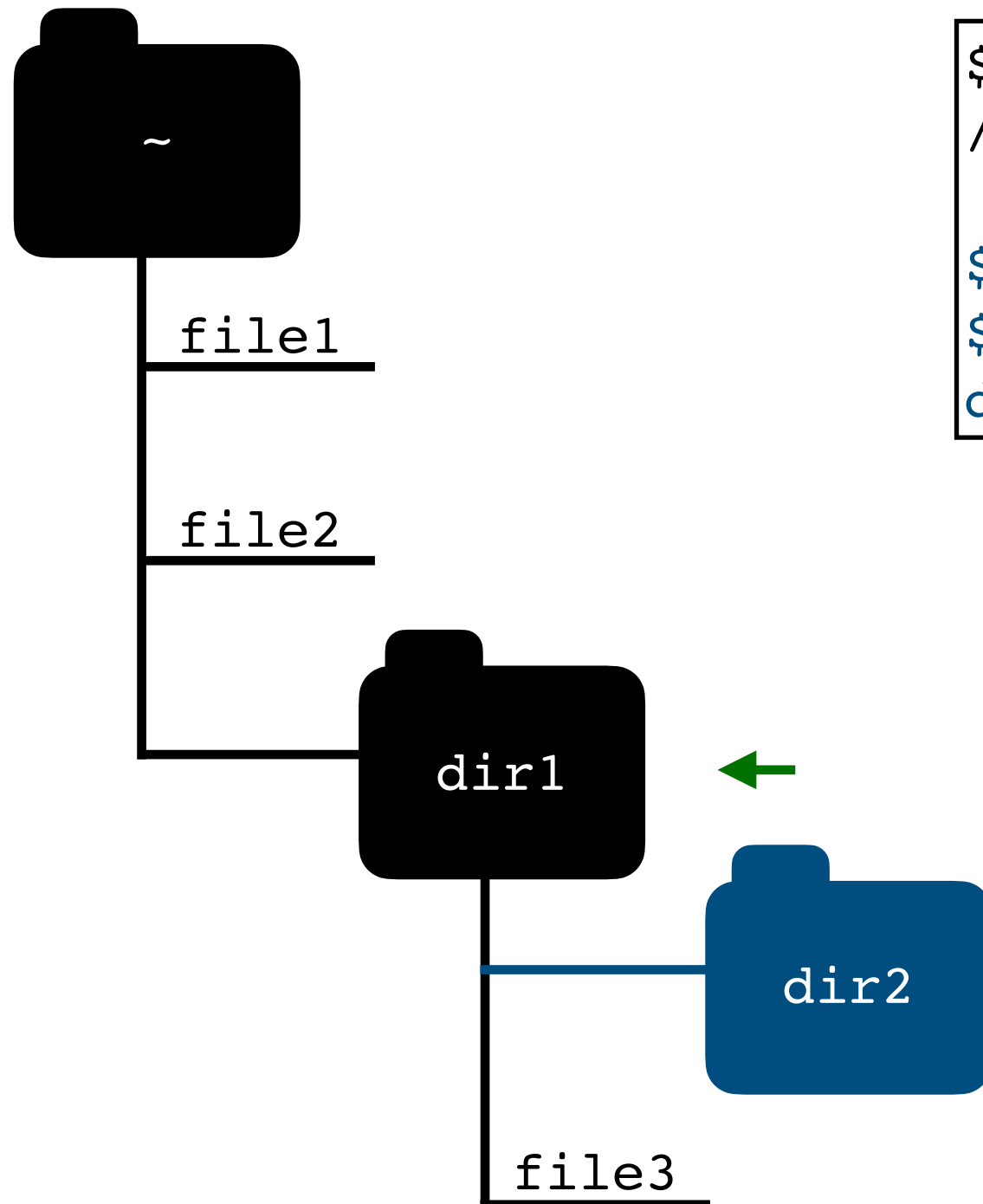
```
$ cd ~ ←  
$ ls  
dir1  file1  file2
```


Navigating the File System



```
$ cd ~  
$ ls  
dir1  file1  file2  
  
$ cd dir1 ←  
$ ls  
file3  
  
$ pwd  
/SMR3573/ch.hill@iaea.org/dir1
```

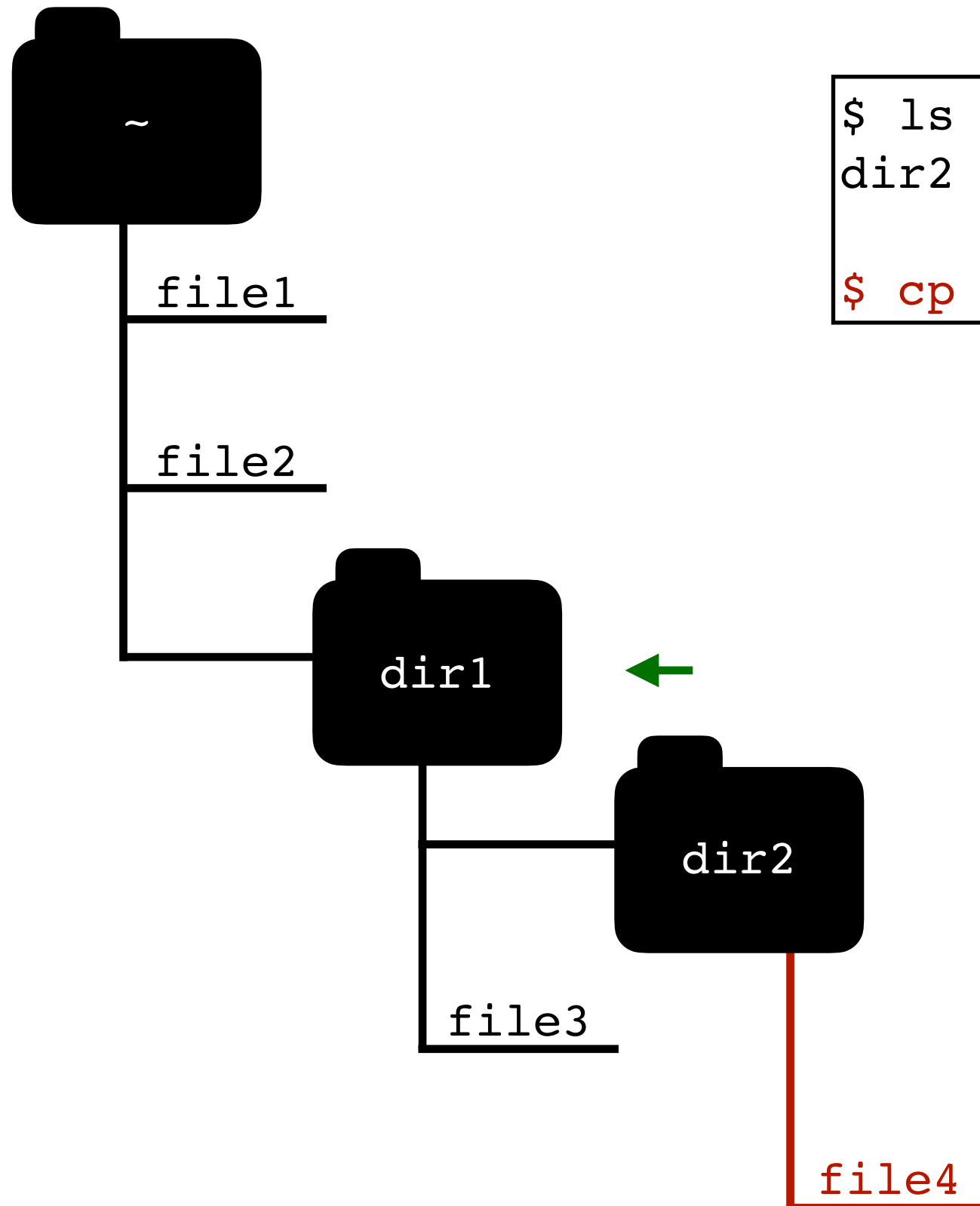
Navigating the File System



```
$ pwd
/SMR3573/ch.hill@iaea.org/dir1

$ mkdir dir2
$ ls
dir2  file3
```

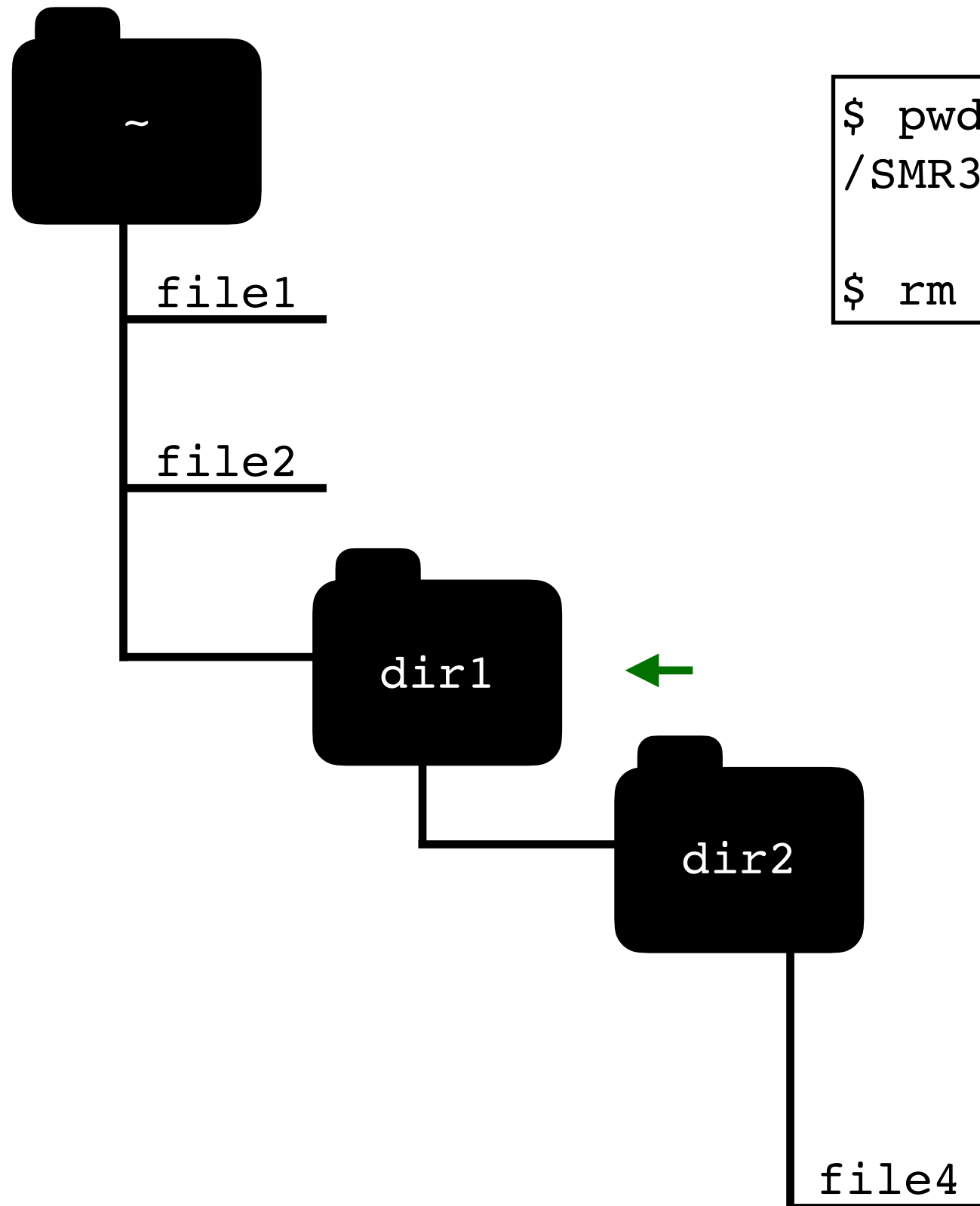
Navigating the File System



```
$ ls  
dir2 file3
```

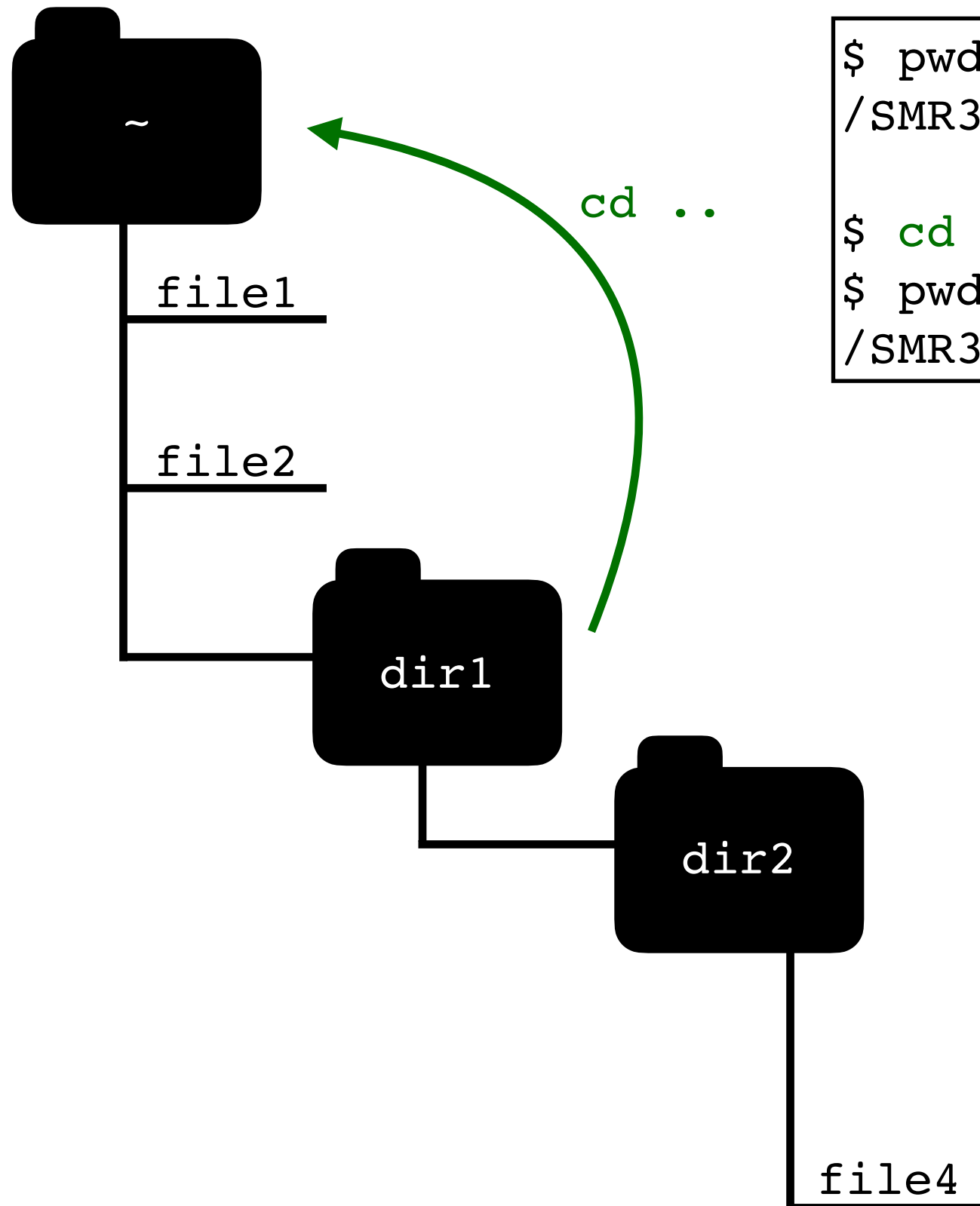
```
$ cp file3 dir2/file4
```

Navigating the File System



```
$ pwd  
/SMR3573/ch.hill@iaea.org/dir1  
  
$ rm file3
```

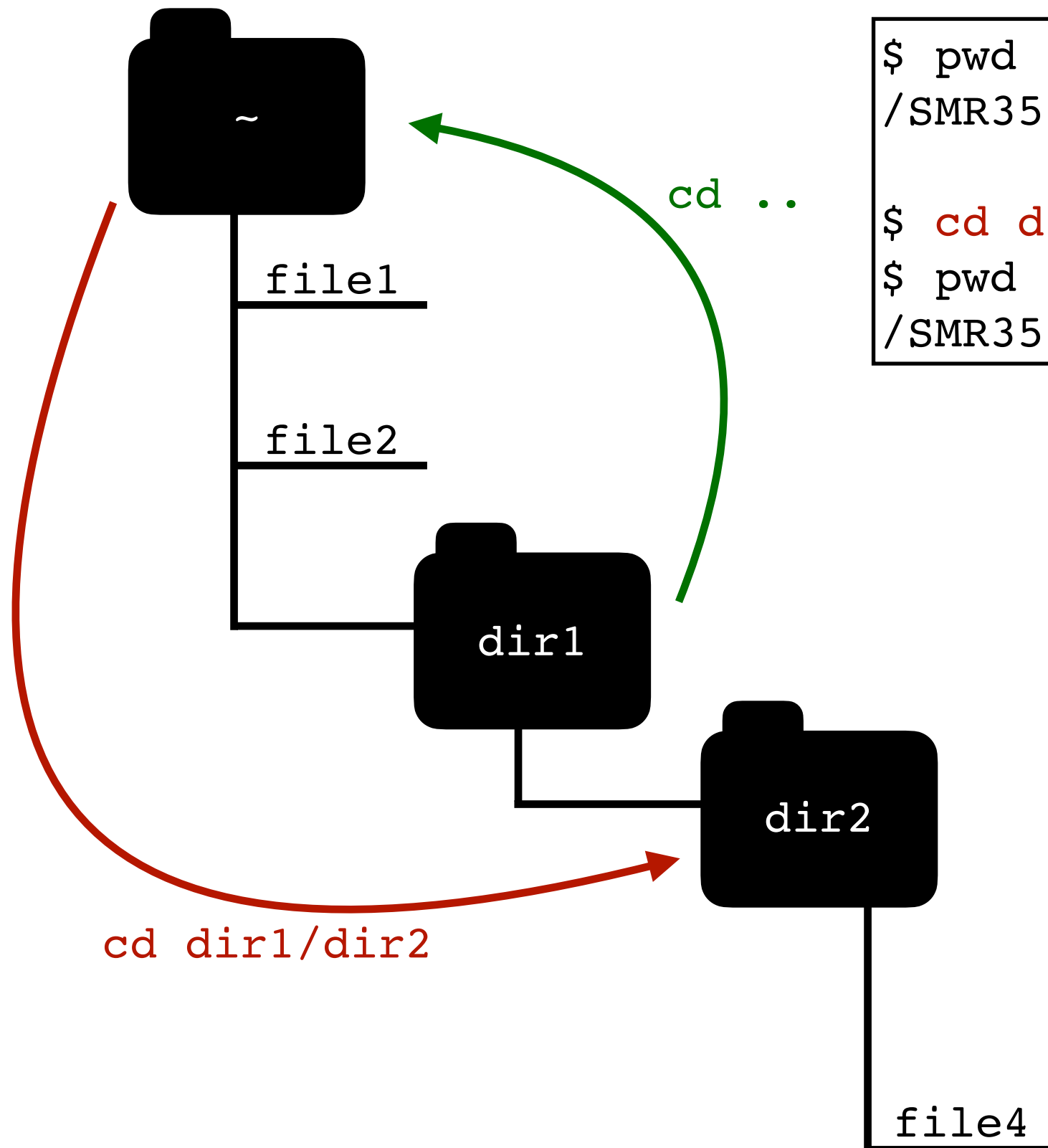
Navigating the File System



```
$ pwd
/SMR3573/ch.hill@iaea.org/dir1

$ cd .. ←
$ pwd
/SMR3573/ch.hill@iaea.org/
```

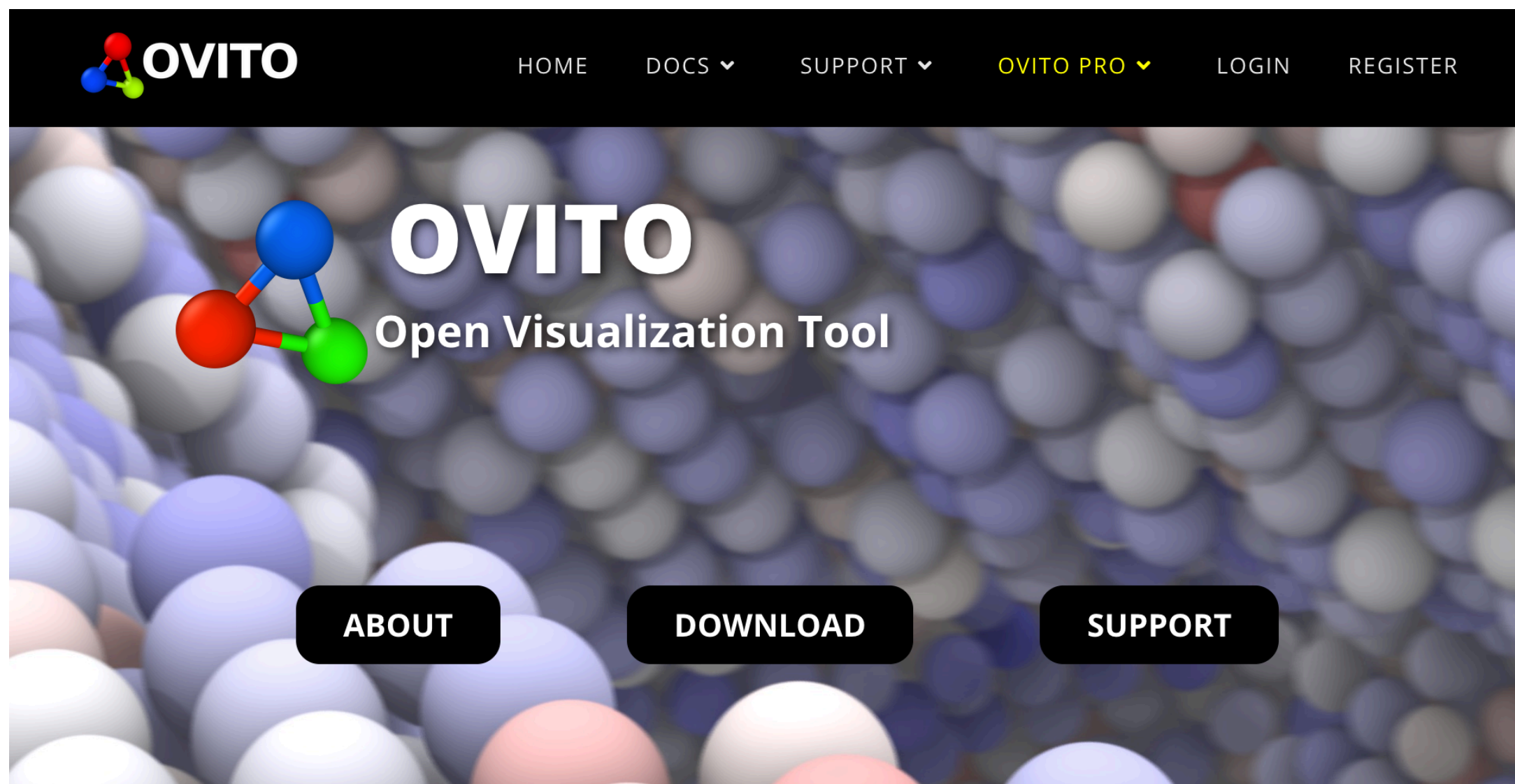
Navigating the File System



```
$ pwd
/SMR3573/ch.hill@iaea.org/

$ cd dir1/dir2
$ pwd
/SMR3573/ch.hill@iaea.org/dir1/dir2
```

OVITO: <https://www.ovito.org/>



Get OVITO

Version 3.5.4 of [OVITO Basic](#) and [OVITO Pro](#) released on 31 Jul, 2021. [See the list of changes.](#)

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