

#####

module avail

module list

```
module load <program>
```

```
module unload <program>
```

```
module show <program>
```

\$module load atsas

\$ module show atsas

```
/usr/local/modules/modulefiles/atsas/2.8.3-1:
```

conflict atsas

#####

```
source /usr/local/ccp4-7.0/bin/ccp4.setup-sh
```

or setccp4

```
$module load xds
```

and the XDS bin folder will be in the PATH

```
source /usr/local/phenix-1.10.1-2155/phenix env.sh
```

or setphenix

\$module load chimera

and the CHIMERA bin folder will be in the PATH

pymol

or (stock from packages) : /usr/bin/pymol

```
source /usr/local/EMAN2.1/eman2.bashrc
```

or seteman

```
source /usr/local/EMAN1/eman.bashrc
```

boxer is then available

coot version 0.8.7 :

```
$module load coot
$coot
```

relion version 2.1:

```
$module load relion
$relion
```

ccpnmr :

```
installed in /usr/local/ccpnmr
analysis is in the PATH
```

ATSAS 2.8.3-1:

```
$module load atsas
and the ATSAS bin folder will be in the PATH
```

imagic :

```
source /usr/local/imagic/bashrc
i
```

3D acceleration

- for nvidia :

```
sudo apt install nvidia-361 (packages should be available in cache) then reboot
```