

# Python

About /afs/slac/g/lcls/tools/python/

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This directory is meant to hold Python packages for the LCLS project.

## CVS

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Commit SLAC-built packages to LCLS CVSROOT/tools/python/slac-packages/<package name>  
Commit 3rd party packages to LCLS CVSROOT/tools/python/external-packages/<package name>

Tag packages as py\_<package name>-RX-Y-Z

Check out tagged packages to \$TOOLS/python/pythonx.y.z/xxx-packages/<package name>\_RX\_Y\_Z

## Search Path

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"\$TOOLS/python/pythonx.y.z/slac-packages" and "\$TOOLS/python/pythonx.y.z/external-packages" should be a part of your Python package search path.  
You can run the search path test script to verify your search path.

\$ python \$TOOLS/python/modulesearchpathtest.py

## Importing Modules

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The slac-packages and external-packages directories should be in your Python search path (see above).

You can specify which release of a Python package to use at import.

Example:  
import subprocessca\_R1\_0\_0 as subprocessca

scripts

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Simple python scripts can be released to tools/python/scripts

## More Information

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Python modules: <http://docs.python.org/tutorial/modules.html>

Style Guide for Python Code: <http://www.python.org/dev/peps/pep-0008/>

Code Like a Pythonista: <http://python.net/~goodger/projects/pycon/2007/idiomatic/handout.html>